



2021 IRM

Manager's Summary

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3.1.1 Introduction

Niagara-on-the-Lake Hydro Inc. ("NOTL Hydro") is pleased to present its Incentive Rate-Setting Mechanism (IRM) application for rates effective May 1, 2021. NOTL Hydro is included in tranche 2 as per the OEB letter Process for 2021 Incentive Rate-setting Mechanism Distribution Rate Applications issued July 14, 2020. The filing deadline for this application is October 13, 2020. This application consists of the following documents and associated appendices.

- Manager's Summary
- 2021 IRM Checklist (Appendix 1)
- 2021 IRM Rate Generator (Appendix 2)
- GA Analysis Workform (Appendix 3)
- 2021 Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Workform (Appendix 4)

All documents have been submitted to the Ontario Energy Board ("OEB") via their website.

There are no materials that are being filed on a confidential basis in this application.

Table 1 below contains the proposed distribution rates effective May 1, 2021 in comparison to NOTL Hydro's approved rates for 2020 and 2019.

Table 1: Proposed Distribution Rates

Distribution Charges (Fixed Service Charge + Volumetric Rate)						
Rate Class	Rate Type	OEB Approved 5/01/2019	OEB Approved 11/01/2020	Proposed 5/01/2021	Variance (2021 vs. 2020)	Variance % (2021 vs. 2020)
Residential	Fixed Rate	\$28.74	\$29.41	\$29.91	\$0.50	1.7%
	Variable Rate (\$/kWh)	\$0.0000	\$0.0000	\$0.0000	\$0.00	0.0%
GS<50kW	Fixed Rate	\$39.41	\$40.08	\$40.76	\$0.68	1.7%
	Variable Rate (\$/kWh)	\$0.0117	\$0.0119	\$0.0121	\$0.00	1.7%
GS>50kW	Fixed Rate	\$281.65	\$286.44	\$291.31	\$4.87	1.7%
	Variable Rate (\$/kW)	\$2.3574	\$2.3975	\$2.4383	\$0.04	1.7%
Large Use	Fixed Rate	\$3,692.18	\$3,754.95	\$3,818.78	\$63.83	1.7%
	Variable Rate (\$/kW)	\$2.3574	\$2.3975	\$2.4383	\$0.04	1.7%
Unmetered	Fixed Rate	\$21.20	\$21.56	\$21.93	\$0.37	1.7%
	Variable Rate (\$/kWh)	\$0.0054	\$0.0055	\$0.0056	\$0.00	1.8%
Streetlights	Fixed Rate (per connection)	\$7.85	\$7.32	\$7.44	\$0.12	1.6%
	Variable Rate (\$/kW)	\$1.8891	\$1.7615	\$1.7914	\$0.03	1.7%

Certification of Evidence

Further to Page 2 of Chapter 1 of the Filing Requirements, I, Jeff Klassen, certify that the evidence filed is accurate, consistent, and complete to the best of my knowledge.

3.1.2 Components of the Application Filing

3.1.2.1 Manager's Summary

This application includes a Manager's summary thoroughly documenting and explaining all requested rate adjustments.

3.1.2.2 Contact Information

Application contact information is as follows:

Applicants Name: Niagara-on-the-Lake Hydro Inc.

Applicants Address: PO Box 460

8 Henegan Road

Niagara-on-the-Lake, ON

L0S 1T0

Applicants Contacts: Jeff Klassen

Vice President, Finance

Email: jklassen@notlhydro.com

Phone: 905-468-4235 ext. 380

Fax: 905-468-3861

3.1.2.3 Rate Generator Model

This application consists of the following documents. OEB models have been submitted in both Excel and PDF formats

- Manager's Summary
- 2021 IRM Checklist
- 2021 IRM Rate Generator
- GA Analysis Workform
- 2021 Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Workform

3.1.2.4 Tariff Sheet

A PDF copy of the current NOTL Hydro Tariff sheet (EB-2019-0056 Vary Order issued April 28, 2020) at the time of this filing and the NOTL Hydro Tariff sheet effective November 1, 2020 (EB-2019-0056 issued April 16, 2020) are attached as Appendix 5 and Appendix 6 respectively.

3.1.2.5 Supporting Documentation

Pre-populated RRR data in the rate generator model for NOTL Hydro have been verified and are correct. Supporting documents references throughout this application are attached as appendices.

3.1.2.6 Customers Affected by this Application

All of NOTL Hydro's customers will be affected by this application.

3.1.2.7 Internet Address

A copy of this application and related documents is available on the NOTL Hydro website. The Applicant's website address is www.notlhydro.com.

3.1.2.8 Billing Determinants


NOTL Hydro confirms that the billing determinants for pre-populated models are accurate and consistent with its RRR filings. In its 2019 Cost of Service application (CoS) (EB-2018-0056) attached as Appendix 7, NOTL Hydro requested and received approval for a new Large Use Rate Class. This rate class consists of one customer. The pre-populated data for this rate class only included the period from May 1, 2019 to December 31, 2019. For the purpose of this application, the annual consumption and demand for the full calendar 2019 year were included in the Large Use category to more accurately reflect actual usage for this category moving forward. NOTL Hydro advised OEB staff of the adjusted amounts for the Large Use Rate Class (Table 2) and OEB staff adjusted the IRM model accordingly. The Large Use customer was included in the General Service 50 to 4,999 kW (GS>50) rate class from January to April 2019. OEB staff further adjusted the model to remove the amounts attributable to that customer from the actual kWh and kW from the GS>50 billing determinants.

Table 2: Adjustment to Billing Determinants

	RRR 2.1.5 Demand and Revenue Table 3B		Adjustment for Consumption by Large User Jan - April 2019*		Billing Determinants 2021 IRM Tab 4	
GENERIC RATE CLASS	METERED CONSUMPTION IN KWHS	METERED CONSUMPTION IN KWS	METERED CONSUMPTION IN KWHS	METERED CONSUMPTION IN KWS	Total Metered kWh	Total Metered kW
Residential	75,007,658	-	-	-	75,007,658	-
General Service < 50 KW	42,102,477	-	-	-	42,102,477	-
General Service >= 50KW	93,826,101	244,872	(8,551,956)	(28,740)	85,274,145	216,132
Large User	17,267,572	56,470	8,551,956	28,740	25,819,528	85,210
Street Lighting Connections	854,489	2,390	-	-	854,489	2,390
Unmetered Scattered Load Connections	254,508	-	-	-	254,508	-
Total	229,312,805	303,732	-	-	229,312,805	303,732
GS > 50 + Large Use	111,093,673	301,342	-	-	111,093,673	301,342

* Large use category was approved effective May 1, 2019. Prior to that date, the customer was included in the GS>50 totals

Table 3: 2021 IRM Rate Generator Billing Determinants (Tab 4)



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator

for 2021 Filers

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

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

Have you confirmed the accuracy of the data below?

Yes

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

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

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers (excluding WMP)	Metered kW for Non-RPP Customers (excluding WMP)	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)	1568 LRAM Variance Account Class Allocation (\$ amounts)	Number of Customers for Residential and GS<50 classes ¹
RESIDENTIAL SERVICE CLASSIFICATION	kWh	75,007,658	0	1,199,683	0	0	0	75,007,658	0		8,060
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	42,102,477	0	4,588,203	0	0	0	42,102,477	0		1,371
GENERAL SERVICE 50 to 4,999 KW SERVICE CLASSIFICATION	kW	85,274,145	216,132	79,969,836	201,837	0	0	85,274,145	216,132		
LARGE USE SERVICE CLASSIFICATION	kW	25,819,528	85,210	25,819,528	85,210	0	0	25,819,528	85,210		
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	254,508	0	117,792	0	0	0	254,508	0		
STREET LIGHTING SERVICE CLASSIFICATION	kW	854,489	2,390	765,439	2,137	0	0	854,489	2,390		
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0		
	Total	229,312,805	303,732	112,460,481	289,184	0	0	229,312,805	303,732	191,141	9,431

3.1.2.9 Format

All documents submitted are in text-searchable Adobe PDF format and OEB models in excel format where applicable.

3.1.2.10 Checklist

A completed copy of the 2021 IRM Checklist is attached as Appendix 1.

3.1.3 Applications and Electronic Models

This application consists of the following documents. OEB models are submitted in both Excel and PDF formats

- Manager's Summary
- 2021 IRM Checklist

- 1 • 2022 IRM Rate Generator
- 2 • GA Analysis Workform
- 3 • 2021 Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Workform

4 NOTL Hydro is not requesting an ICM, revenue-to-cost ratio adjustment or the disposition of any
5 residual 1595 sub-account balances in this application.

6 **3.2.1 Annual Adjustment Mechanism**

7 NOTL Hydro has used the 2020 rate setting parameters as a place holder. NOTL Hydro
8 acknowledges that these factors may change when the OEB releases the 2021 inflation factor.
9 The 2020 inflation factor used in this application is 2.0%. NOTL Hydro was included in Group 3
10 in the most recent PEG report 2019 Benchmarking Update issued on August 31, 2020 with an
11 associated stretch factor of 0.30%.

12 **3.2.1.1 Application of Annual Adjustment Mechanism**

13 The annual adjustment mechanism applies to fixed and variable distribution rates uniformly
14 across all customer rate classes. The annual adjustment mechanism is 1.7% (2.0% inflation
15 factor less 0.3% stretch factor). NOTL Hydro has not applied the annual adjustment factor to
16 any other component of delivery rates.

17 **3.2.2 Revenue-to-Cost Ratio Adjustments**

18 NOTL Hydro is not requesting any changes to the revenue-to-cost ratios in this application. In
19 its last Cost of Service application (EB-2019-0056) NOTL Hydro was approved to implement the
20 change in the revenue to cost ratio for streetlights over 2 years to 130% in 2019 and to 120% in
21 2020. The offsetting adjustment is an increase in the residential revenue to cost ratio from
22 91.06% in 2019 to 91.57% in 2020. The 2020 revenue to cost ratios will remain in place until
23 NOTL Hydro's next Cost of Service application.

24 **3.2.3 Rate Design for Residential Electricity** 25 **Consumers**

26 NOTL Hydro completed its transition to a fully fixed monthly distribution service charge for
27 residential customers in 2019.

3.2.4 Electricity Distribution Retail Transmission Service Rates

NOTL Hydro's application to adjust RTSRs is based on the proposed rates calculated utilizing the 2021 IRM Rate Generator Model ("IRM model") provided by the OEB.

Historical Network and Connection Costs

NOTL Hydro's historical costs (2019) consist of Independent Electricity System Operator ("IESO") invoiced costs for network and line connection. NOTL Hydro owns its own transformer stations and consequently has no IESO invoiced transformation costs. In addition, NOTL Hydro does not have Hydro One invoiced transmission costs.

Table 4, from tab 12 of the IRM model, contains the historical network and line connection costs for 2019.

Table 4: Historical Network and Connection Costs (2019)

IESO Month	Network			Line Connection		
	Units Billed	Rate	Amount	Units Billed	Rate	Amount
January	35,965	\$3.71	\$ 133,430	38,613	\$0.94	\$ 36,296
February	35,350	\$3.71	\$ 131,149	36,300	\$0.94	\$ 34,122
March	31,059	\$3.71	\$ 115,229	35,394	\$0.94	\$ 33,270
April	26,983	\$3.71	\$ 100,107	48,555	\$0.94	\$ 45,642
May	24,975	\$3.71	\$ 92,657	30,407	\$0.94	\$ 28,583
June	38,900	\$3.80	\$ 147,820	41,033	\$0.95	\$ 38,981
July	43,702	\$3.83	\$ 167,378	48,990	\$0.96	\$ 47,030
August	43,262	\$3.83	\$ 165,693	44,342	\$0.96	\$ 42,568
September	41,551	\$3.83	\$ 159,140	42,065	\$0.96	\$ 40,382
October	34,998	\$3.83	\$ 134,042	35,188	\$0.96	\$ 33,780
November	28,622	\$3.83	\$ 109,622	32,109	\$0.96	\$ 30,825
December	33,180	\$3.83	\$ 127,079	36,945	\$0.96	\$ 35,467
Total	418,547	\$ 3.78	\$ 1,583,348	469,940	\$ 0.95	\$ 446,947

Forecast Costs with new Uniform Transmission Rates ("UTRs")

Forecast network and connection rates from tab 14 of the IRM model are contained in Table 5.

These are calculated by applying the 2021 UTRs from tab 11 of the IRM model against the 2019 units billed.

Table 5: Forecast Network and Connection Costs

IESO		Network			Line Connection		
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	
January	35,965	\$ 3.9200	\$ 140,983	38,613	\$ 0.9700	\$ 37,455	
February	35,350	\$ 3.9200	\$ 138,572	36,300	\$ 0.9700	\$ 35,211	
March	31,059	\$ 3.9200	\$ 121,751	35,394	\$ 0.9700	\$ 34,332	
April	26,983	\$ 3.9200	\$ 105,773	48,555	\$ 0.9700	\$ 47,098	
May	24,975	\$ 3.9200	\$ 97,902	30,407	\$ 0.9700	\$ 29,495	
June	38,900	\$ 3.9200	\$ 152,488	41,033	\$ 0.9700	\$ 39,802	
July	43,702	\$ 3.9200	\$ 171,311	48,990	\$ 0.9700	\$ 47,520	
August	43,262	\$ 3.9200	\$ 169,587	44,342	\$ 0.9700	\$ 43,012	
September	41,551	\$ 3.9200	\$ 162,880	42,065	\$ 0.9700	\$ 40,803	
October	34,998	\$ 3.9200	\$ 137,192	35,188	\$ 0.9700	\$ 34,132	
November	28,622	\$ 3.9200	\$ 112,198	32,109	\$ 0.9700	\$ 31,146	
December	33,180	\$ 3.9200	\$ 130,066	36,945	\$ 0.9700	\$ 35,837	
Total	418,547	\$ 3.92	\$ 1,640,704	469,940	\$ 0.97	\$ 455,842	

Billing Determinants for RTSRs

The billing determinants for all rate classes, other than the Large Use and GS>50, used to calculate the required revenue are based on 2019 actual data as reported in RRR 2.1.5 in May 2020. The Large Use rate class was approved for NOTL Hydro in its 2019 CoS and therefore the historical data for this rate class (consisting of one customer) was for the period from May 1, 2019 to December 31, 2019 in RRR filings for 2019. The billing determinants for the Large Use rate class are based on the annual consumption for the large use customer for 2019 (see Table 2).

NOTL Hydro's GS>50kW rate class includes both interval and non-interval customers. RRR submission form 2.1.5 does not allow for the data specific to interval customers to be input separately. Therefore, the GS>50 kWh and kW data pre-populated in the model has been modified to distinguish between interval and non-interval customers. The determinants used for interval customers network demand and connection demand are different. This is because the demand applicable to network charges is "7-7" demand¹ and the regular demand definition is applicable to connection charges. In addition, GS>50kW data was adjusted to remove the portion from the forecast Large Use customer that was included in the GS>50 rate class in 2019.

¹ Demand based on peak kW from 07:00 to 19:00 hours on non-Holiday weekdays

Table 6: GS>50 adjusted RTSR Billing Determinants

	Connection		Network	
	kWh	kW	kWh	kW
RRR Data GS > 50*	93,826,101	244,872	93,826,101	239,290
GS>50	38,543,790	106,334	38,543,790	106,334
GS>50 Interval	55,282,311	138,537	55,282,311	132,956
Total GS>50	93,826,101	244,872	93,826,101	239,290
Adjust: Large Use Customer				
GS>50	0	0	0	0
GS>50 Interval	(8,551,956)	(28,740)	(8,551,956)	(26,589)
Total Adjustment	(8,551,956)	(28,740)	(8,551,956)	(26,589)
Billing Determinants				
GS>50	38,543,790	106,334	38,543,790	106,334
GS>50 Interval	46,730,355	109,797	46,730,355	106,367
Total Billing Determinant	85,274,145	216,132	85,274,145	212,701

* for RRR reporting, demand is based on total demand consistent with connection charges.

Table 7: Large Use adjusted RTSR Billing Determinants

	Connection		Network	
	kWh	kW	kWh	kW
RRR Data Large Use*	17,267,572	56,470	17,267,572	54,194
Adjust: Large Use Customer from GS>50 Interval	8,551,956	28,740	8,551,956	26,589
Billing Determinants				
Total Billing Determinant	25,819,528	85,210	25,819,528	80,782

* for RRR reporting, demand is based on total demand consistent with connection charges.

Table 8: RTSR Billing Determinants (IRM Generator tab 10)

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	0.0078	75,007,658	0	1.0373	77,805,444
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016	75,007,658	0	1.0373	77,805,444
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071	42,102,477	0	1.0373	43,672,899
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016	42,102,477	0	1.0373	43,672,899
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.9048	38,543,790	106,334		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.5347	38,543,790	106,334		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.1394	46,730,355	106,367		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.2861	46,730,355	109,797		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.1394	25,819,528	80,782		
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.2861	25,819,528	85,210		
Large Use Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071	254,508	0	1.0373	264,001
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016	254,508	0	1.0373	264,001
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.1903	854,489	2,390		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.4134	854,489	2,390		

Proposed RTSR Rates

Table 9 contains the proposed rates to recover forecast network and connection costs based on the billing determinants from Table 8 and is taken from tab 15 of the IRM model:

Table 9: Proposed RTSR Rates

Rate Class	Rate Description	Unit	Proposed RTSR- Network
Residential Service Classification	Network Service Rate	\$/kWh	0.0070
General Service Less Than 50 kW Service Classification	Network Service Rate	\$/kWh	0.0064
General Service 50 To 4,999 kW Service Classification	Network Service Rate	\$/kW	2.6179
General Service 50 To 4,999 kW Service Classification	Network Service Rate - Interval Metered	\$/kW	2.8294
Large Use Service Classification	Network Service Rate - Interval Metered	\$/kW	2.8294
Unmetered Scattered Load Service Classification	Network Service Rate	\$/kWh	0.0064
Street Lighting Service Classification	Network Service Rate	\$/kW	1.9740
Rate Class	Rate Description	Unit	Proposed RTSR- Connection
Residential Service Classification	Line and Transformation Connection Service Rate	\$/kWh	0.0014
General Service Less Than 50 kW Service Classification	Line and Transformation Connection Service Rate	\$/kWh	0.0014
General Service 50 To 4,999 kW Service Classification	Line and Transformation Connection Service Rate	\$/kW	0.4842
General Service 50 To 4,999 kW Service Classification	Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.1645
Large Use Service Classification	Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.1645
Unmetered Scattered Load Service Classification	Line and Transformation Connection Service Rate	\$/kWh	0.0014
Street Lighting Service Classification	Line and Transformation Connection Service Rate	\$/kW	0.3743

NOTL Hydro utilized the current 2020 Uniform Transmission rates to forecast the proposed rates. NOTL Hydro understands that the OEB will adjust each applicant's model to reflect any UTR changes on January 1, 2021 when they are determined. The IRM Model incorporating the RTSR calculations is being submitted separately in Excel and PDF formats.

The bill impacts for Network Service Rate range between -9.44% and – 12.50% while the bill impacts for the Line and Transformation Connection Service Rate range between -9.87% and - 10.26%. Table 10 summarizes the bill impacts by rate class.

Table 10: RTSR Network Service Rate and Line and Transformation Connection Service Rate Bill Impacts

Network Service Rate - Bill Impact								
Rate Class	Units	Consumption (includes losses)	Current Rate	Current Charge	Proposed Rate	Proposed Charge	\$ Impact	% Impact
Residential (RPP)	kWh	778	0.0078	6.07	0.0070	5.45	(0.62)	(10.26%)
GS<50 kW (RPP)	kWh	2,075	0.0071	14.73	0.0064	13.28	(1.45)	(9.86%)
GS >50 and < 4.9999 kW (Non-RPP - Other)	kW	135	2.9048	392.15	2.6179	353.42	(38.73)	(9.88%)
Large Use (Non-RPP - Other)	kW	7,100	3.1394	22,289.74	2.8294	20,088.74	(2,201.00)	(9.87%)
Unmetered (RPP)	kWh	830	0.0071	5.89	0.0064	5.31	(0.58)	(9.86%)
Street Lighting (RPP)	kW	29	2.1903	63.52	1.9740	57.25	(6.27)	(9.88%)
Residential (Non-RPP - Retailer)	kWh	778	0.0078	6.07	0.0070	5.45	(0.62)	(10.26%)
GS <50 kW (Non-RPP - Retailer)	kWh	2,075	0.0071	14.73	0.0064	13.28	(1.45)	(9.86%)
GS >50 and < 4.9999 kW (Non-RPP - Retailer)	kW	135	2.9048	392.15	2.6179	353.42	(38.73)	(9.88%)
Street Lighting (Non-RPP - Other)	kW	29	2.1903	63.52	1.9740	57.25	(6.27)	(9.88%)
GS >50 and < 4.9999 kW (Non-RPP - Interval)	kW	135	3.1394	423.82	2.8294	381.97	(41.85)	(9.87%)
Line and Transformation Connection Service Rate - Bill Impact								
Rate Class	Units	Consumption (includes losses)	Current Rate	Current Charge	Proposed Rate	Proposed Charge	\$ Impact	% Impact
Residential (RPP)	kWh	778	0.0016	1.24	0.0014	1.09	(0.16)	(12.50%)
GS<50 kW (RPP)	kWh	2,075	0.0016	3.32	0.0014	2.90	(0.41)	(12.50%)
GS >50 and < 4.9999 kW (Non-RPP - Other)	kW	135	0.5347	72.18	0.4842	65.37	(6.82)	(9.44%)
Large Use (Non-RPP - Other)	kW	7,100	1.2861	9,131.31	1.1645	8,267.95	(863.36)	(9.45%)
Unmetered (RPP)	kWh	830	0.0016	1.33	0.0014	1.16	(0.17)	(12.50%)
Street Lighting (RPP)	kW	29	0.4134	11.99	0.3743	10.85	(1.13)	(9.46%)
Residential (Non-RPP - Retailer)	kWh	778	0.0016	1.24	0.0014	1.09	(0.16)	(12.50%)
GS <50 kW (Non-RPP - Retailer)	kWh	2,075	0.0016	3.32	0.0014	2.90	(0.41)	(12.50%)
GS >50 and < 4.9999 kW (Non-RPP - Retailer)	kW	135	0.5347	72.18	0.4842	65.37	(6.82)	(9.44%)
Street Lighting (Non-RPP - Other)	kW	29	0.4134	11.99	0.3743	10.85	(1.13)	(9.46%)
GS >50 and < 4.9999 kW (Non-RPP - Interval)	kW	135	1.2861	173.62	1.1645	157.21	(16.42)	(9.45%)

The decrease in the Network Service Rate is impacted by the following factors:

- Units Billed: The units billed used in NOTL Hydro's 2020 IRM was 449,081kW based on 2018 actual amounts billed, for the 2021 IRM the units billed to calculate the total Network amount is 418,547kW based on 2019 actual amounts billed. This represents a decrease of 30,534kW or 6.8%.
- Billing Determinants: The billing determinant for the Large Use customer class increased to 80,782kW from the estimate of 60,000kW reflected in NOTL's 2020 IRM. An increase of 20,782kW. This in turn reduced the network rates for all classes.

The decrease in the Connection Service Rate is impacted by the billing determinant for the Large Use customer class which increased to 85,210kW from the estimate of 60,000kW reflected in NOTL's 2020 IRM. An increase of 25,210kW. This in turn reduced the connection rates for all classes.

3.2.5 Review and Disposition of Group 1 Deferral and Variance Account Balances.

On April 16, 2020, the OEB's Decision and Rate Order (EB-2019-0056) approved a one-year disposition for NOTL Hydro's December 31, 2018 Group 1 deferral and variance accounts.

Table 11 contains the principal and interest amounts approved for disposition in NOTL Hydro's 2020 IRM application.

Table 11: Approved Dispositions

	Account	Claimed for Disposition (Y/N)	Principal Claim	Interest Claim	Total Claim
1551	Smart Metering Entity Charge Variance Account	Y	(9,565)	(393)	(9,958)
1580	RSVA - Wholesale Market Service Charge	Y	(26,236)	(559)	(26,795)
1580	Variance WMS – Sub-account CBR Class A	N	-	-	-
1580	Variance WMS – Sub-account CBR Class B	Y	(6,540)	(264)	(6,804)
1584	RSVA - Retail Transmission Network Charge	Y	80,771	3,690	84,461
1586	RSVA - Retail Transmission Connection Charge	Y	16,183	1,068	17,251
1588	RSVA - Power (excluding Global Adjustment)	Y	16,421	7,468	23,889
1589	RSVA - Global Adjustment	Y	214,451	4,145	218,596
Total Group 1			285,485	15,155	300,641

In 2020, the approved balances were transferred to a sub-account of 1595 in accordance with the Decision and Order. The corresponding rate riders for the refund/recovery of the approved balances are effective until April 30, 2021.

The disposed amounts for Group 1 accounts are entered in Columns BM and BN of tab 3 of the IRM model.

Table 12: IRM Model Approved Dispositions (tab 3)

B	C	D	BM	BN	BO	BP
			2020			
Account Descriptions		Account Number	Principal Disposition during 2020 - instructed by OEB	Interest Disposition during 2020 - instructed by OEB	Closing Principal Balances as of Dec 31, 2019 Adjusted for Disposition during 2020	Closing Interest Balances as of Dec 31, 2019 Adjusted for Disposition during 2020
Group 1 Accounts						
LV Variance Account	1550		0	0	0	0
Smart Metering Entity Charge Variance Account	1551		(9,565)	(393)	(2,480)	11
RSVA - Wholesale Market Service Charge ⁵	1580		(26,236)	(559)	(72,634)	(1,361)
Variance WMS – Sub-account CBR Class A ⁵	1580		0	0	0	0
Variance WMS – Sub-account CBR Class B ⁵	1580		(6,540)	(264)	(23,504)	(188)
RSVA - Retail Transmission Network Charge	1584		80,771	3,690	(28,818)	(1,503)
RSVA - Retail Transmission Connection Charge	1586		16,183	1,068	(65,342)	(614)
RSVA - Power ⁴	1588		16,421	7,468	(11,142)	2,296
RSVA - Global Adjustment ⁴	1589		214,451	4,145	(35,012)	(2,190)
Disposition and Recovery/Refund of Regulatory Balances (2014 and pre-2014) ³	1595		0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595		0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595		0	0	0	(6,326)
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595		0	0	1,656	37
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595		0	0	43,754	11,855
Disposition and Recovery/Refund of Regulatory Balances (2019) ³						
Refer to the Filing Requirements for disposition eligibility.	1595		0	0	147,462	21,299
RSVA - Global Adjustment	1589		214,451	4,145	(35,012)	(2,190)
Total Group 1 Balance excluding Account 1589 - Global Adjustment			71,035	11,010	(11,050)	25,505
Total Group 1 Balance			285,485	15,155	(46,063)	23,315
LRAM Variance Account (only input amounts if applying for disposition of this account)						
	1568		0	0	0	0
Total including Account 1568			285,485	15,155	(46,063)	23,315

2021 IRM CLAIM – GROUP 1 ACCOUNTS

This section sets out the 2021 IRM Claims for the Group 1 Accounts.

Please note that in the continuity schedule in tab 3 of the IRM model, the starting point for all non-1595 account entries are the date for which approval was received in the 2020 IRM, i.e. December 31, 2018. The starting point for 1595 accounts has been completed starting December 31, 2016 as this is the earliest vintage year where there is a balance in account 1595.

Interest Rates

The interest rates that have been used to calculate actual and forecasted carrying charges are shown in Table 13 and are in accordance with the methodology approved by the OEB in EB-2006-0117 on November 28, 2006.

Table 13: Interest Rates Applied to Deferral and Variance Accounts (%)

Quarter by Year	Prescribed interest Rate
2016 - Q1	1.10%
2016 - Q2	1.10%
2016 - Q3	1.10%
2016 - Q4	1.10%
2017 - Q1	1.10%
2017 - Q2	1.10%
2017 - Q3	1.10%
2017 - Q4	1.50%
2018 - Q1	1.50%
2018 - Q2	1.89%
2018 - Q3	1.89%
2018 - Q4	2.17%
2019 - Q1	2.45%
2019 - Q2	2.18%
2019 - Q3	2.18%
2019 - Q4	2.18%
2020 - Q1	2.18%
2020 - Q2	2.18%
2020 - Q3	0.57%
2020 - Q4*	0.57%
2021 - Q1*	0.57%
2020 - Q2*	0.57%
* forecast based on 2020 Q3 prescribed rate.	

Claimed Amounts

The total Group 1 Accounts claim is a credit amount of \$246,223 as per cell BT41 of tab 3 of the 2021 IRM model and summarized in Table 14 below.

Table 14: Summary of Claims

Account Descriptions	Account Number	Total Claim
Group 1 Accounts		
LV Variance Account	1550	0
Smart Metering Entity Charge Variance Account	1551	(2,508)
RSVA - Wholesale Market Service Charge ⁵	1580	(75,132)
Variance WMS – Sub-account CBR Class A ⁵	1580	0
Variance WMS – Sub-account CBR Class B ⁵	1580	(24,061)
RSVA - Retail Transmission Network Charge	1584	(30,772)
RSVA - Retail Transmission Connection Charge	1586	(66,979)
RSVA - Power ⁴	1588	(9,020)
RSVA - Global Adjustment ⁴	1589	(37,751)
Disposition and Recovery/Refund of Regulatory Balances (2014 and pre-2014) ³	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	0
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	0
Refer to the Filing Requirements for disposition eligibility.	1595	0
RSVA - Global Adjustment	1589	(37,751)
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(208,472)
Total Group 1 Balance		(246,223)

The balances for account 1580 RSVA – Wholesale Market Service Charge differs from the account balances in the trial balance reported through RRR and the audited statements. The variance of (\$30,497) as calculated in cell BW23 on tab 3 of the IRM model is a result of the RRR value recorded in cell BV23 including the amounts for account 1580 – Variance WMS – Sub-account CDR Class B for (\$30,497).

NOTL Hydro Confirms that no adjustments are being made to any DVA balances previously approved by the OEB on a final basis.

1550 Retail Settlement Variance Account – Low Voltage Variance Account

NOTL Hydro has not had any transactions and a zero balance in this account since disposition of the account in NOTL Hydro's 2009 Cost of Service application, EB-2008-0237. NOTL Hydro is not an Embedded Distributor.

1551 Smart Metering Entity Charge Variance Account

For 2021, NOTL Hydro is requesting disposition of:

- a closing principal balance at December 31, 2019 of (\$2,480) adjusted for dispositions during 2020, plus
- a closing interest balance at December 31, 2019 of \$11 adjusted for dispositions during 2020, plus
- the forecasted interest of (\$34) for 2020, plus
- the forecasted interest of (\$5) for January 1, 2021 through April 30, 2021.

The total claim for this account is a credit balance of (\$2,508).

1580 Retail Settlement Variance Account - Wholesale Market Service Charges (exc. CBR – Class B & CBR – Class A)

This account includes the reversal of a principal adjustment recorded in 2018 of (\$415) and reversal of an interest adjustment of (\$7). These adjustments are offset in account 1580 – WMS Sub-account CBR Class A. The adjustments are required as the unbilled revenue entry in December 2018 incorrectly included the Class A amount. This was corrected in 2019.

For 2021, NOTL Hydro is requesting disposition of:

- 1 • a closing principal balance at December 31, 2019 of (\$72,634) adjusted for dispositions
- 2 during 2020, plus
- 3 • a closing interest balance at December 31, 2019 of (\$1,361) adjusted for dispositions
- 4 during 2020, plus
- 5 • the forecasted interest of (\$999) for 2020, plus
- 6 • the forecasted interest of (\$138) for January 1, 2021 through April 30, 2021

7 The total claim for this account is a credit balance of (\$75,132).

8 **1580 Retail Settlement Variance Account - Wholesale Market Service Charges (sub-**

9 **account CBR – Class A)**

10 This account includes the reversal of a principal adjustment of \$415 and interest adjustment of

11 \$7. These adjustments are offset in account 1580 RSVA – Wholesale Market Service Charges.

12 The adjustments are required as the unbilled revenue entry in December 2018 included the

13 Class A amount that was corrected in 2019.

14 This account has a zero balance and therefore NOTL Hydro is not requesting disposition of this

15 account in 2021.

16 **1580 Retail Settlement Variance Account - Wholesale Market Service Charges (sub-**

17 **account CBR – Class B)**

18 For 2021, NOTL Hydro is requesting disposition of:

- 19 • a closing principal balance at December 31, 2019 of (\$23,504) adjusted for dispositions
- 20 during 2020, plus
- 21 • a closing interest balance at December 31, 2019 of (\$188) adjusted for dispositions
- 22 during 2020, plus
- 23 • the forecasted interest of (\$323) for 2020, plus
- 24 • the forecasted interest of (\$45) for January 1, 2021 through April 30, 2021.

25 The total claim for this account is a credit balance of (\$24,061).

26 NOTL Hydro had two customers transition from Class A to Class B during the period when the

27 Account 1580 sub-account CBR Class B balance accumulated. The tables below show the

28 allocation calculations which resulted in (\$442) of the variance allocated to transition customers.

Table 15: Class A Transition Customers – Non-loss Adjusted Billing Determinants

Transition Customers - Non-loss Adjusted Billing Determinants by Customer				
Customer	Rate Class		2019	
			January to June	July to December
Customer 1	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,630,912	1,535,869
		kW	3,959	3,706
		Class A/B	A	B
Customer 2	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,890,449	2,015,162
		kW	4,626	4,909
		Class A/B	A	B

Table 16: Allocation of Total Consumption (kWh) between Class B and Class A/B Transition Customers

		Total	2019
Total Consumption Less WMP Consumption	A	229,312,805	229,312,805
Less Class A Consumption for Partial Year Class A Customers	B	3,521,361	3,521,361
Less Consumption for Full Year Class A Customers	C	32,320,539	32,320,539
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	193,470,906	193,470,906
All Class B Consumption for Transition Customers	E	3,551,031	3,551,031
Transition Customers' Portion of Total Consumption	F = E/D	1.84%	

Table 17: Allocation of Total CBR Class B Balance

Total CBR Class B Balance	G	-\$	24,061
Transition Customers Portion of CBR Class B Balance	H=F*G	-\$	442
CBR Class B Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-\$	23,619

1584 Retail Settlement Variance Account - Retail Transmission Network Charges

This account is used to record the net of the amount charged by the IESO, based on the settlement invoice for transmission network services, and the amount billed to customers using the OEB approved Retail Transmission Network Charge. NOTL Hydro uses the accrual method.

For 2021, NOTL Hydro is requesting disposition of:

- a closing principal balance at December 31, 2019 of (\$28,818) adjusted for dispositions during 2020, plus
- a closing interest balance at December 31, 2019 of (\$1,503) adjusted for dispositions during 2020, plus
- the forecasted interest of (\$396) for 2020, plus
- the forecasted interest of (\$55) for January 1, 2021 through April 30, 2021.

The total claim for this account is a credit balance of (\$30,772).

1586 Retail Settlement Variance Account - Retail Transmission Connection Charges

This account is used to record the net of the amount charged by the IESO, based on the settlement invoice for transmission connection services, and the amount billed to customers using the OEB approved Transmission Connection Charge. NOTL Hydro uses the accrual method.

For 2021, NOTL Hydro is requesting disposition of:

- a closing principal balance at December 31, 2019 of (\$65,342) adjusted for dispositions during 2020, plus
- a closing interest balance at December 31, 2019 of (\$614) adjusted for dispositions during 2020, plus
- the forecasted interest of (\$898) for 2020 plus
- the forecasted interest of (\$124) for January 1, 2021 through April 30, 2021.

The total claim for this account is a credit balance of (\$66,979).

1588 Retail Settlement Variance Account – Power

This account is used to recover the net difference between the energy amount billed to customers and the energy charge to NOTL Hydro using the settlement invoices from the IESO. NOTL Hydro uses the accrual method.

For 2021, NOTL Hydro is requesting disposition of:

- a closing principal balance at December 31, 2019 of (\$11,142) adjusted for dispositions during 2020, plus
- a closing interest balance at December 31, 2019 of \$2,296 adjusted for dispositions during 2020, plus
- the forecasted interest of (\$153) for 2020, plus
- the forecasted interest of (\$21) for January 1, 2021 through April 30, 2021.

The total claim for this account is a credit balance of (\$9,020).

1589 Retail Settlement Variance Account - Global Adjustment ("GA")

This account is used to recover the net difference between the GA amount billed to non-RPP customers and the GA charge to NOTL Hydro for non-RPP customers using the settlement invoices from the IESO. NOTL Hydro uses the accrual method.

For 2021, NOTL Hydro is requesting disposition of:

- a closing principal balance at December 31, 2019 of (\$35,012) adjusted for dispositions during 2020, plus
- a closing interest balance at December 31, 2019 of (\$2,190) adjusted for dispositions during 2020, plus
- the forecasted interest of (\$481) for 2020, plus
- the forecasted interest of (\$67) for January 1 through April 30, 2021.

The total claim for this account is a credit balance of (\$37,751).

This claim includes the reversal of the following adjustments totalling \$78,553:

- \$35,661 – difference between generation estimates provided to the IESO and actual generation amounts for 2016
- \$42,892 – difference between generation estimates provided to the IESO and actual generation amounts for 2017

This amount was trued-up with the IESO as a prior period adjustment in September 2019.

1595 Disposition and Recovery of Regulatory Balances

This account includes the regulatory asset or liability balances authorized by the OEB for recovery in rates or payments/credits made to customers. Separate sub-accounts are maintained for approved principal/recoveries, approved interest and interest on net principal for each OEB approved recovery.

NOTL Hydro is not claiming any disposition of its prior year 1595 regulatory balances in this application. NOTL Hydro has previously disposed of its regulatory balances up to and including 2015.

1508 Large Use Variance Account

NOTL Hydro was approved for a 1508 sub account – Large Use Variance in its 2019 CoS. Due to uncertainty around the actual demand for this customer at the time, NOTL Hydro proposed and was approved for the use of variance account to track variances in variable distribution revenue from the 5,000kW demand estimated in the application. Consistent with the draft accounting order, following the audit of each year's accounts, the amount is to be recovered/returned to customers.

For 2021, NOTL Hydro is requesting disposition of:

- a closing principal balance at December 31, 2019 of (\$29,604) adjusted for dispositions during 2020, plus
- a closing interest balance at December 31, 2019 of (\$181) adjusted for dispositions during 2020, plus
- the forecasted interest of (\$407) for 2020, plus
- the forecasted interest of (\$56) for January 1 through April 30, 2021.

The total claim for this account is a credit balance of (\$30,248).

Table 18: 1508 Large Use Deferral Account Continuity

Account Description	Account Number	2019						2020		Projected Interest on Dec-31-2019 Balances			
		Opening Principal Amounts as of Jan 1, 2019	Transactions Debit / (Credit) during 2019	Closing Principal Balance as of Dec 31, 2019	Opening Interest Amounts as of Jan 1, 2019	Interest Jan 1 to Dec 31, 2019	Closing Interest Amounts as of Dec 31, 2019	Closing Principal Balances as of Dec 31, 2019 Adjusted	Closing Interest Balances as of Dec 31, 2019 Adjusted	Projected Interest from Jan 1, 2020 to Dec 31, 2020 on	Projected Interest from Jan 1, 2021 to Apr 30, 2021 on	Total Interest	Total Claim
Large User Variance	1508	0	(29,604)	(29,604)	0	(181)	(181)	(29,604)	(181)	(407)	(56)	(644)	(30,248)

The total claim of (\$30,248) will be allocated to each rate class based on 2019 distribution revenue. Note that the Large User and GS>50 categories in the table below have been adjusted to include the entire year for the one Large Use customer in the Large Use category. That customer was included in the GS>50 category from January 1, 2019 – April 30, 2019.

Table 19: Allocation of Large Use Variance Account

	kWh	kW	Customers	Distribution Revenue	% of Distribution Revenue	Allocation	Rate Rider
Residential	75,007,657.65	-	8,060.00	2,819,516.14	51.8%	(15,661.65)	(0.16) per customer/month
GS<50	42,102,477.24	-	1,371.00	1,174,117.16	21.6%	(6,521.90)	(0.0002) per kWh
GS>50*	85,274,145.21	216,132.00	126.00	985,087.95	18.1%	(5,471.90)	(0.0253) per kW
Large User*	25,819,528.00	85,210.00	1.00	165,622.29	3.0%	(919.99)	(0.0108) per kW
USL	254,507.89	-	30.00	8,417.60	0.2%	(46.76)	(0.0002) per kWh
Street Lights	854,489.36	2,390.00	2,148.00	292,682.13	5.4%	(1,625.77)	(0.6802) per kW
Total	229,312,805.35	303,732.00	11,736.00	5,445,443.27	100.0%	(30,247.96)	

* adjusted to include large use customer as Large User for calendar 2019

Determinants

The billing determinants for all rate classes, other than the Large Use and GS>50, are based on 2019 actual data as reported in RRR 2.1.5 in May 2020. The Large Use rate class was approved for NOTL Hydro in its 2019 Cost of Service effective May 1, 2019. For the purpose of this application, NOTL Hydro requested that Board Staff adjust the billing determinants for the Large Use rate class (which consists of one customer) to include the consumption for this customer from January 1, 2019 to December 31, 2019. In addition, GS>50kW data was adjusted to remove the portion from the January 1, 2019 through April 30, 2019 consumption and demand for the Large Use customer. (see Table 2).

The number of residential and GS<50kW customers for use in allocating account 1551 were auto-populated from the RRR 2.1.2 from February 2020 for customers as of December 31, 2019. NOTL Hydro confirms the accuracy of the auto-populated data.

Disposition

All GA rate riders are calculated on a kWh basis.

Consistent with EDDVAR, NOTL Hydro proposes that the disposition period to dispose of the Group 1 account balances by means of a rate rider to be one year. NOTL Hydro also proposes that the disposition period for account 1508 Large Use Variance be one year.

Threshold Test

The Threshold Test referred to in Section 3.2.5 of the Filing Guidelines is met based on the following calculations:

Total Claim for Threshold Test = (\$246,223)

Total metered kWh = 229,312,805

Threshold test (total claim per kWh) = $(\$246,223) / 229,312,805 = (\$0.0011)$, which exceeds the threshold of a minimum of \$0.001 per kWh in magnitude.

Rate Riders

The proposed rate riders for disposition of the Group 1 account claims are as shown below in Table 20, reflecting tabs 6 and 7 of the IRM model, with a proposed recovery period of one year.

Table 20: Proposed Deferral/Variance Account Rate Riders (excluding LRAM)

Rate Class	Unit	Group 1 Deferral/Variance Account Rate Rider	Class B CBR Rate Rider	Non-RPP Global Adjustment Rate Rider	Large Use Deferral/Variance Account Rate Rider
Residential	kWh	(0.0008)	(0.0001)	(0.0005)	
Residential	\$				(0.16)
General Service less than 50 kW	kWh	(0.0008)	(0.0001)	(0.0005)	(0.0002)
General Service 50 to 4,999 kW	kW	(0.3130)	(0.0480)		(0.0253)
General Service 50 to 4,999 kW	kWh			(0.0005)	
Large Use	kW	(0.2404)			(0.0108)
Unmetered Scattered Load	kWh	(0.0008)	(0.0001)	(0.0005)	(0.0002)
Street Lighting	kW	(0.2836)	(0.0444)		(0.6802)
Street Lighting	kWh			(0.0005)	

3.2.5.1 Wholesale Market Participants

NOTL Hydro does not have any Wholesale Market Participants within its territory.

3.2.5.2 Global Adjustment

NOTL Hydro settles GA costs with Class A customers on actual GA prices and no GA variance is allocated to these customers for the period that they were designated class A.

The calculation for Class B customers and allocation to Class A customers that transitioned during the period are shown below.

Table 21: Rate Rider Calculation for RSVA – Power – Global Adjustment

		Total Metered 2019 Consumption for Class A Customers that were Class A for the entire period GA balance accumulated		Total Metered 2019 Consumption for Customers that Transitioned Between Class A and B during the period GA balance accumulated	Non-RPP Metered Consumption for Current Class B Customers (Non-RPP Consumption excluding WMP, Class A and Transition Customers' Consumption)	Non-RPP Metered Consumption for Current Class B Customers (Non-RPP Consumption excluding WMP, Class A and Transition Customers' Consumption)	% of total kWh	Total GA \$ allocated to Current Class B Customers		GA Rate Rider
		Total Metered Non-RPP 2019 Consumption excluding WMP	kWh							
RESIDENTIAL SERVICE CLASSIFICATION	kWh	1,199,683	0	0	0	1,199,683	1.6%	(\$591)	(\$0.0005)	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	4,588,203	0	0	0	4,588,203	6.3%	(\$2,261)	(\$0.0005)	kWh
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	kWh	79,969,836	6,501,011	7,072,392	66,396,434	90.9%		(\$32,714)	(\$0.0005)	kWh
LARGE USE SERVICE CLASSIFICATION	kWh	25,819,528	25,819,528	0	0	0	0.0%	\$0	\$0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	117,792	0	0	0	117,792	0.2%	(\$58)	(\$0.0005)	kWh
STREET LIGHTING SERVICE CLASSIFICATION	kWh	765,439	0	0	0	765,439	1.0%	(\$377)	(\$0.0005)	kWh
STANDBY POWER SERVICE CLASSIFICATION	kWh	0	0	0	0	0	0.0%	\$0	\$0.0000	
Total		112,460,481	32,320,539	7,072,392		73,067,551	100.0%	(\$36,001)		

NOTL Hydro had two customers transition from Class A to Class B during the period when the Account 1589 RSVA Global Adjustment balance accumulated. The tables below show the allocation calculations which resulted in (\$1,750) of the variance allocated to transition customers.

Table 22: Class A Transition Customers – Non-loss Adjusted Billing Determinants**Transition Customers - Non-loss Adjusted Billing Determinants by Customer**

Customer	Rate Class		2019	
			January to June	July to December
Customer 1	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,630,912	1,535,869
		kW	3,959	3,706
		Class A/B	A	B
Customer 2	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,890,449	2,015,162
		kW	4,626	4,909
		Class A/B	A	B

Table 23: Allocation of Total Consumption (kWh) between Class B and Class A/B Transition Customers

		Total	2019
Non-RPP Consumption Less WMP Consumption	A	112,460,481	112,460,481
Less Class A Consumption for Partial Year Class A Customers	B	3,521,361	3,521,361
Less Consumption for Full Year Class A Customers	C	32,320,539	32,320,539
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	76,618,582	76,618,582
All Class B Consumption for Transition Customers	E	3,551,031	3,551,031
Transition Customers' Portion of Total Consumption	F = E/D	4.63%	

Table 24: Allocation of Total GA Balance

Allocation of Total GA Balance \$							
Total GA Balance	G	-\$	37,751				
Transition Customers Portion of GA Balance	H=F*G	-\$	1,750				
GA Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-\$	36,001				
Allocation of GA Balances to Class A/B Transition Customers							
# of Class A/B Transition Customers			2				
Customer		Total Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers	Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers in 2019	% of kWh	Customer Specific GA Allocation for the Period When They Were Class B customers	Monthly Equal Payments	
Customer 1		1,535,869	1,535,869	43.25%	-\$ 757	-\$ 63	
Customer 2		2,015,162	2,015,162	56.75%	-\$ 993	-\$ 83	
Total		3,551,031	3,551,031	100.00%	-\$ 1,750		

GA Analysis Workform

The GA Analysis Workform is attached as Appendix 3. NOTL Hydro has fully implemented the OEB's February 21 2019 accounting guidance. NOTL Hydro does not have any previous 1589 balances that were approved on an interim basis.

NOTL Hydro bills non-RPP customers on the actual GA rate. Unbilled revenue for 2019 was trued-up to the actual amount billed and is therefore based on the actual GA rate.

The expected GA amount for non-RPP Class B Customers for 2019 was \$8,663,487.

Table 25: Expected GA Amount

Analysis of Expected GA Amount										
Year										
2019										
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)	
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	N=M-K	
January	6,541,912			6,541,912	0.08092	\$ 529,371	0.08092	\$ 529,371	\$ -	
February	5,946,329			5,946,329	0.08812	\$ 523,991	0.08812	\$ 523,991	\$ -	
March	6,306,558			6,306,558	0.08041	\$ 507,110	0.08041	\$ 507,110	\$ -	
April	5,530,369			5,530,369	0.12333	\$ 682,060	0.12333	\$ 682,060	\$ -	
May	5,649,161			5,649,161	0.12604	\$ 712,020	0.12604	\$ 712,020	\$ -	
June	5,980,093			5,980,093	0.13728	\$ 820,947	0.13728	\$ 820,947	\$ -	
July	8,298,052			8,298,052	0.09645	\$ 800,347	0.09645	\$ 800,347	\$ -	
August	8,201,292			8,201,292	0.12607	\$ 1,033,937	0.12607	\$ 1,033,937	\$ -	
September	7,098,176			7,098,176	0.12263	\$ 870,449	0.12263	\$ 870,449	\$ -	
October	6,496,704			6,496,704	0.13680	\$ 888,749	0.13680	\$ 888,749	\$ -	
November	6,580,289			6,580,289	0.09953	\$ 654,936	0.09953	\$ 654,936	\$ -	
December	6,861,583			6,861,583	0.09321	\$ 639,568	0.09321	\$ 639,568	\$ -	
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	79,490,517	-	-	79,490,517		\$ 8,663,487		\$ 8,663,487	\$ -	

The amounts reflected in cells C41 through C52 in the GA 2019 tab in the GA Analysis Workform are the actual non-RPP kWhs consumed in the month including losses. NOTL Hydro creates a new effective date for the GA rate each month and is therefore able to derive accurate consumption by month from the billing system. NOTL Hydro utilized this data in place of billed amounts – previous month unbilled + current month unbilled as the data is more accurate.

As all Class B non-RPP customers are billed at the actual GA rate, the expected GA variance is zero. The net change in account 1589 for 2019 was \$241,932 including OEB approved dispositions of \$198,392. Excluding the approved dispositions, the net change in principal balance for account 1589 for 2019 was \$43,540. The table below provides the reconciling amounts and explanations.

Table 26: Reconciliation of Net Change in GA Amount (excluding OEB approved dispositions)

Reconciling Items					
	Item	Amount	Explanation	Principal Adjustments	
				Principal Adjustment on DVA Continuity Schedule	If "no", please provide an explanation
					\$ Principal Adjustment on DVA Continuity Schedule
	Net Change in Principal Balance in the GL (i.e. Transactions in the Year)	\$ 43,540			
1a	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year	\$ -	n/a		
1b	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year	\$ -	n/a		
2a	Remove prior year end unbilled to actual revenue differences	\$ -	2018 unbilled revenues were true-up to actual amounts at year end		
2b	Add current year end unbilled to actual revenue differences	\$ -	2019 unbilled revenues were true-up to actual amounts at year end		
3a	Remove difference between prior year accrual/unbilled to actual from load transfers	\$ -	n/a		
3b	Add difference between current year accrual/unbilled to actual from load transfers	\$ -	n/a		
3	Significant prior period billing adjustments recorded in current year	\$ -	n/a		
4	Differences in actual system losses and billed TLFs	\$ 14,052	Difference between kWh used to calculate GA expense and actual amount billed to customers	No	Difference in losses to be captured in accounts 1588 and 1589
5	CT 2148 for prior period corrections	\$ (78,677)	Generation estimates used for 1598 purposes were true-up to actuals with the IESO and the difference was invoiced on the August 2019 invoice on line 2148.	Yes	
7	Others as justified by distributor	\$ -			
8		\$ -			
9		\$ -			
10		\$ -			
Total Principal Adjustments on DVA Continuity Schedule					\$ -
Note 6	Adjusted Net Change in Principal Balance in the GL	\$ (21,085)			
	Net Change in Expected GA Balance in the Year Per Analysis	\$ -			
	Unresolved Difference	\$ (21,085)			
	Unresolved Difference as % of Expected GA Payments to IESO	(0.2%)			

3.2.5.3 Commodity Accounts 1588 and 1589

New Accounting Guidance

NOTL Hydro confirms that it has fully implemented the OEB's February 21, 2019 guidance from January 1, 2019. NOTL Hydro does not have any pre-2019 balances that have yet to be disposed on a final basis.

Certification of Evidence

I, Jeff Klassen, Vice President Finance for NOTL Hydro certify to the best of my knowledge that NOTL Hydro has robust processes and internal controls in place for the preparation, review, verification and oversight of the account balances being disposed, consistent with the certification requirements in Chapter 1 of the filing requirements.

3.2.5.4 Capacity Based Recover (CBR)

NOTL Hydro had two Class A customers and two customers transition from Class A to Class B during the period when the Account 1580 sub-account CBR Class B balance accumulated. The tables below show the allocation calculations which resulted in (\$442) of the variance allocated to transition customers.

Table 27: Class A Transition Customers – Non-loss Adjusted Billing Determinants

Transition Customers - Non-loss Adjusted Billing Determinants by Customer

Customer	Rate Class		2019	
			January to June	July to December
Customer 1	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,630,912	1,535,869
		kW	3,959	3,706
		Class A/B	A	B
Customer 2	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,890,449	2,015,162
		kW	4,626	4,909
		Class A/B	A	B

Table 28: Allocation of Total Consumption (kWh) between Class B and Class A/B Transition Customers

		Total	2019
Total Consumption Less WMP Consumption	A	229,312,805	229,312,805
Less Class A Consumption for Partial Year Class A Customers	B	3,521,361	3,521,361
Less Consumption for Full Year Class A Customers	C	32,320,539	32,320,539
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	193,470,906	193,470,906
All Class B Consumption for Transition Customers	E	3,551,031	3,551,031
Transition Customers' Portion of Total Consumption	F = E/D	1.84%	

Table 29: Allocation of Total CBR Class B Balance

Total CBR Class B Balance	G	-\$	24,061
Transition Customers Portion of CBR Class B Balance	H=F*G	-\$	442
CBR Class B Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-\$	23,619

The CBR Class B rate rider calculated in tab 6.2 of the IRM model is greater than zero at the fourth decimal place for all rate classes as seen in the table below

Table 30: CBR Class B Rate Riders

	Total Metered 2019 Consumption Minus WMP		Total Metered 2019 Consumption for Full Year Class A Customers		Total Metered 2019 Consumption for Transition Customers		Metered Consumption for Current Class B Customers (Total Consumption LESS WMP, Class A and Transition Customers' Consumption)		% of total kWh	Total CBR Class B \$ allocated to Current Class B Customers	CBR Class B Rate Rider	Unit	
	kWh	kW	kWh	kW	kWh	kW	kWh	kW					
RESIDENTIAL SERVICE CLASSIFICATION	kWh	75,007,658	0	0	0	0	75,007,658	0	39.5%	(\$9,328)	(\$0.0001)	kWh	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	42,102,477	0	0	0	0	42,102,477	0	22.2%	(\$5,236)	(\$0.0001)	kWh	
GENERAL SERVICE 50 to 4,999 KW SERVICE CLASSIFICATION	kW	85,274,145	216,132	6,501,011	13,180	7,072,392	71,700,743	185,752	37.8%	(\$8,917)	(\$0.0480)	kW	
LARGE USE SERVICE CLASSIFICATION	kW	25,819,528	85,210	25,819,528	85,210	0	0	0	0.0%	\$0	\$0.0000	kW	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	254,508	0	0	0	0	254,508	0	0.1%	(\$32)	(\$0.0001)	kWh	
STREET LIGHTING SERVICE CLASSIFICATION	kW	854,489	2,390	0	0	0	854,489	2,390	0.4%	(\$106)	(\$0.0444)	kW	
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0.0%	\$0	\$0.0000	kW	
	Total	229,312,805	303,732	32,320,539	98,390	7,072,392	17,200	189,919,875	188,142	100.0%	(\$23,619)		

3.2.6 Lost Revenue Adjustment Mechanism Variance Account (LRAMVA)

The LRAM Variance account shall include the lost revenue adjustment mechanism (LRAM) variances in relation to the conservation and demand management (CDM) programs or activities undertaken by a distributor in accordance with Board prescribed requirements (e.g. licence, codes and guidelines). NOTL Hydro received approval for disposition of its 2016 and 2017 LRAMVA on a final basis as part of its 2019 CoS application (EB-2018-0056). NOTL Hydro is seeking approval for its LRAMVA balances from 2018 and 2019 in this application.

3.2.6.1 Disposition of LRAMVA

NOTL Hydro relied on the detail CDM Program Reported Results (Appendix 8) available on the IESO website as well as the monthly Participation and Cost Reports (Appendix 9) provided by the IESO for January 1, 2018 to April 15, 2019 results. NOTL Hydro applied results from the IESO's 2017 program evaluation (Appendix 10) to arrive that net savings values at the project level. NOTL Hydro has not included any DR3 (Demand Response 3) savings in the LRAM calculations.

- i. NOTL Hydro is seeking disposition of new lost revenues for 2018 and 2019 and prior year persistence savings from 2011 – 2018.
- ii. NOTL Hydro's LRAMVA claim is based on the IESO Final CDM Annual Reports and Persistence Savings Reports for 2011 – 2017. 2018 and 2019 results are based on the

detail CDM Program Reported Results available on the IESO website as well as the monthly Participation and Cost Reports provided by the IESO from January 1, 2018 to April 15, 2019. NOTL Hydro applied results for the IESO's 2017 program evaluation to arrive that net savings values at the project level. NOTL Hydro still has some CFF projects in progress for 2020 that will be submitted at a later date.

iii. NOTL Hydro has relied on the most recent input assumptions available at the time of program evaluation.

iv. Table 31 below shows the principal and carrying amounts by rate class and the resulting rate riders.

Table 31: LRAM by Rate Class

Rate Class	Principal	Carry Charges	Total LRAMVA	Rate Rider	Units
Residential	14,858	617	15,475	0.0001	kWh
GS <50 KW	53,157	1,809	54,966	0.0006	kWh
GS 50 - 4,9999 KW	73,577	2,608	76,186	0.1748	kW
Large Use	0	0	0	0.0000	kW
Unmetered	0	0	0	0.0000	kWh
Street Lights	44,307	1,750	46,057	9.5584	kW
Total	185,900	6,785	192,684		

v. NOTL Hydro is proposing to recover the LRAMVA over 24 months consistent with the period over which the balance accumulated.

vi. NOTL Hydro confirms that the rate rider for all rate classes that are impacted are greater than or equal to 0.0001 and are therefore significant.

vii. Forecasted CDM savings included in the LRAMVA calculation were approved by the OEB as follows:

a. 2014 Settlement Agreement, p. 54 (EB-2013-0155)

b. 2019 Decision and Order NOTL Hydro 20190423, Schedule A pg. 19 (EB-2018-0056)

viii. Rate class allocations were determined by reviewing the rate class of each customers in each program.

ix. All data included in the attached LRAMVA model prior to 2018 was taken from the Final CDM Annual Report and Persistence Savings report issued by the IESO. Results for January 1, 2018 to December 31, 2019 were derived from the project level savings reports available on the IESO website as well as the Monthly Participation and Cost Reports. A summary of the project level savings is attached as Appendix 8. The process followed by NOTL Hydro is described below:

- a. Exported CDM Program Reported results from the IESO website for reporting years 2018 – 2020.
- b. Removed any projects from the export with a project completion date in 2017 or before as well as 2020 so all submissions are from 2018 and 2019.
- c. 2017 Final Verified Results were used to determine the Net-to-Gross factor as well as the Realization Rate for each program to determine a final adjustment factor for kW demand and kWh consumption numbers per program.
- d. 2017 Final Verified Results persistence amounts were also used to determine any annual adjustment over a 10-year period.
- e. Business Refrigeration Initiative (BRI) was not included in any final verified savings, therefore the Small Business Lighting persistence amounts were utilized as this program was considered by NOTL Hydro to be similar.
- f. Lines with a zero kW or zero kWh savings were reviewed. These were all noted as head office projects. Each project was reviewed on the CDM-IS to determine the savings at the individual location in our area and these numbers were updated in the worksheet.
- g. The values for the INSTANT SAVINGS Program were taken from the Participant Cost Report, however only a kWh energy value was provided. An evaluation of the program determined a Net to Gross value of 1.333 and a Realization Rate of 0.881 resulting in an adjustment factor of 1.174373. NOTL Hydro has taken a conservative approach and chosen not applied this value. Persistence values were also not provided and therefore NOTL Hydro used the persistence adjustments noted on the COUPON program in the 2017 final evaluations.
- x. No new Street Light or Combined Heat and Power projects were completed or included in the 2018 or 2019 results.

For account 1568, NOTL Hydro is requesting disposition of the amount as calculated as part of this application which includes the forecasted interest through April 30, 2021. This amount is not included in the last RRR filing or the 2019 Audited Financial Statements.

The balance requested for disposal, including carrying charges, is a debit of \$191,141.

3.2.7 Tax Changes

There were no legislative tax changes from NOTL Hydro's tax rates embedded in its OEB approved rate.

3.2.8 Z-factor Claims

NOTL Hydro is not seeking a Z-factor claim in this application.

3.3.1 Advanced Capital Module

NOTL Hydro is not submitting an Advance Capital Module in this application.

3.3.2 Incremental Capital Module

NOTL Hydro is not submitting an Incremental Capital Module in this application.

3.3.3 Treatment of Costs for 'eligible investments'

Not applicable. NOTL Hydro filed a Cost of Service application pursuant to chapter 5 in 2018 for rates effective in 2019.

3.3.5 Off-ramps

NOTL Hydro's 2019 distributor earnings were above the 300 basis points dead band as per its 2019 RRR filing for 2.1.5.6. Earnings were impacted by several one-time events and NOTL Hydro is requesting an increase in its base rates for 2021. Of note, NOTL Hydro elected to delay the implementation of increased distribution rates approved for May 1, 2020 until November 1, 2020 and is not seeking to recover the lost revenue, therefore reducing costs for its customers during the COVID-19 pandemic. In addition, NOTL Hydro did not charge late payment or interest fees during this period.

NOTL Hydro's deemed rate of return approved in its 2019 Cost of Service is 8.98% while the achieved rate of return for 2019 was 14.38%. The variances in ROE can be explained through 4 main differences from NOTL Hydro's 2019 CoS and 2019 actual results.

- Amounts related to the ICM were included in the CoS in rate base and depreciation expense. These amounts were held in account 1508 as of the 2019 year-end and were therefore not included in the calculation of deemed equity. This was due to the fact that

1 the rate rider did not expire until April 30, 2019. These accounts will be disposed of in
2 2020 now that the final balances have been audited. NOTL has not booked interest on
3 the ICM since April 30, 2019.

- 4 • NOTL Hydro included the purchase of a new 83MVA transformer at a cost of \$3.3m in
5 the CoS in rate base and depreciation expense (half year). Unexpected delays from the
6 manufacturer caused the completion of this project to occur in 2020. The capital
7 amounts spent on the project were included in CWIP at the end of 2019 and therefore
8 not included in the calculation of deemed equity. In addition, no depreciation was taken
9 as the asset was not in use during the year.
- 10 • LRAM amount of \$196k excluding interest that was approved in the CoS was booked to
11 distribution revenue in 2019 with an offsetting debit to account 1568, this amount was
12 not included in the RRWF in the CoS.
- 13 • 1576 Rate riders (accounting changes GAAP to IFRS) were in effect until April 30, 2019
14 resulting in a \$90k credit to depreciation expense. These rate riders expired when the
15 new CoS rates came into effect on May 1, 2019 and were therefore not included in the
16 CoS RRWF.

17 Adjusted for the 4 factors above, NOTL Hydro adjusted rate of return for 2019 was 9.36%, well
18 within the +/- 300 basis point dead band.

19

Table 32: Adjusted Rate of Return 2019

	Deemed last COS (2019)	Achieved	Adjusted
ROE Amount (\$)	1,094,015	1,492,779	1,120,389
Regulated Deemed Equity	12,182,791	10,379,020	11,975,291
ROE %	8.98%	14.38%	9.36%
ROE Reconciliation			
Achieved ROE Amount (\$)			1,492,779
Remove LRAM included in Distribution Revenue		(195,530)	
Remove Depreciation Impacts*		(176,860)	
Total Adjustments			(372,390)
Adjusted ROE Amount \$			1,120,389
Achieved Regulated Deemed Equity			10,379,020
Add ICM - Full Year		2,352,396	
Add Transformer		1,638,283	
Total Adjustments - NBV		3,990,679	
Impact to Deemed Equity (40%)			1,596,271
Adjusted Regulated Deemed Equity			11,975,291
* Depreciation Expense:			
ICM	(53,433)	Included in COS but booked to variance account in fiscal 2019	
New Transformer	(33,434)	Included in COS - CWIP at end of fiscal 2019	
1576	(89,993)	Not Included in COS - rate rider in effect until May 1, 2019 - 4 months	

3.4 Specific Exclusions for Price Cap IR or Annual IR Index Applications

NOTL Hydro is not seeking relief for any specific or excluded issues in this application.

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Appendices

2

1 Appendix 1 – NOTLH – 2021 IRM Checklist

2021 IRM Checklist

Niagara-on-the-Lake Hydro Ince

EB-2020-0042

Filing Requirement
Page # Reference

Date: October 8, 2020

IRM REQUIREMENTS		Evidence Reference, Notes
3.1.2 Components of the Application Filing		
3	Manager's summary documenting and explain all rate adjustments requested	Complete
4	Contact info - primary contact may be a person within the applicant's organization other than the primary license contact	Manager's Summary (MS) - 3.1.2.2
4	Completed Rate Generator Model and supplementary work forms, Excel and PDF	MS - Appendix 2 & filed separately in excel format
4	Current tariff sheet, PDF	MS - Appendix 5 & 6
4	Supporting documentation (e.g. relevant past decisions, RRWF etc.)	MS - Appendix 6 & 7
4	Statement as to who will be affected by the application, specific customer groups affected by particular request	MS - 3.1.2.6
4	Applicant's internet address	3.1.2.7
4	Statement confirming accuracy of billing determinants pre-populated in model	3.1.2.8
4	Text searchable PDF format for all documents	Manager's Summary
4	An Excel version of the IRM Checklist	Complete
3.1.3 Applications and Electronic Models		
5	Populated GA Analysis Workform	MS - Appendix 3 & filed separately in excel format
5	If required, for distributors seeking revenue to cost ratio adjustments due to previous OEB decision, the Revenue to Cost Ratio Adjustment Workform must be filed	n/a
5	For an incremental or pre-approved advanced capital module (ICM/ACM) cost recovery and associated rate rider(s), a distributor must file the Capital Module Applicable to ACM and ICM	n/a
5	A distributor seeking to dispose of lost revenue amounts from conservation and demand management activities, during an IRM term, must file the Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Workform	MS - Appendix 4 & filed separately in excel format
5	Account 1595 Analysis Workform - for distributors who meet the requirements for disposition of residual balances in 1595 sub-accounts	n/a
3.2.2 Revenue to Cost Ratio Adjustments		
7	Completed revenue-to-cost ratio adjustment workform to adjust the revenue-to-cost ratio if previously approved by the OEB	n/a
3.2.3 Rate Design for Residential Electricity Customers		
<i>Residential Rate Design - Exceptions and Mitigation (applicable only to distributors that have not completed the rate design transition)</i>		n/a
7	If the total bill impact of the elements proposed in the application is 10% or greater for RPP customers consuming at the 10th percentile, a distributor must file a plan to mitigate the impact for the whole residential class or indicate why such a plan is not required	n/a
7	Mitigation plan if total bill increases for any customer class exceed 10%	n/a
3.2.4 Electricity Distribution Retail Transmission Service Rates		MS - 3.2.4
3.2.5 Review and Disposition of Group 1 DVA Balances		MS - 3.2.5
9	Justification if any account balance in excess of the threshold should not be disposed	n/a
10	Completed tab 3 - continuity schedule in Rate Generator Model	MS - Appendix 2 & filed separately in excel format
10 - 11	Explanation of variance between amounts proposed for disposition and amounts reported in RRR for each account	MS - 3.2.5
10 - 11	Statement as to whether any adjustments have been made to balances previously approved by the OEB on a final basis	
11	If yes, explanations provided for the nature and amounts of the adjustments and supporting documentation under a section titled "Adjustments to Deferral and Variance Accounts"	MS - 3.2.5
11	Propose rate riders for recovery or refund of balances that are proposed for disposition. The default disposition period is one year, if the applicant is proposing an alternative recovery period must provide explanation.	MS - 3.2.5
12	GA rate riders calculated on an energy basis (kWh)	MS - 3.2.5
3.2.5.1 Wholesale Market Participants		
11	Establish separate rate riders to recover balances in the RSVA's from Market Participants who must not be allocated the RSVA balances related to charges for which the WMP's settle directly with the IESO.	MS - 3.2.5.1
3.2.5.2 Global Adjustment		
12	Establishment of a separate rate rider included in the delivery component of the bill that would apply prospectively to Non-RPP Class B customers when clearing balances from the GA Variance Account	MS - 3.2.5.2
12 - 13	For each year that the accumulated balance of Account 1589 has not been disposed, regardless of whether or not distributors are seeking disposition of Group 1 accounts in the current proceeding, all distributors are required to file the GA Analysis Workform in live Excel format and explain discrepancies.	MS - Appendix 3 & filed separately in excel format
3.2.5.3 Commodity Accounts 1588 and 1589		
13	Confirm as part of its application that it has fully implemented the OEB's February 21, 2019 guidance effective from January 1, 2019.	MS - 3.2.5.3
13 - 14	Confirmation that historical balances that have yet to be disposed on a final basis have been considered in the context of the Feb. 21, 2019 accounting guidance, and provide a summary of the review performed. Distributors must also discuss the results of review, whether any systemic issues were noted, and whether any material adjustments to the account balances have been recorded. A summary and description of each adjustment made to the historical balances must be provided in the application.	MS - 3.2.5.3
15	Certification by the CEO, CFO or equivalent that distributor has robust processes and internal controls in place for the preparation, review, verification and oversight of account balances being proposed for disposition	MS - 3.2.5.3
3.2.5.4 Capacity Based Recovery (CBR)		
15	Proposed disposition of Account 1580 sub-account CBR Class B in accordance with the OEB's CBR Accounting Guidance. - embedded distributors who are not charged CBR (therefore no balance in sub-account CBR Class B) must indicate this is the case for them - In the DVA continuity schedule, applicants must indicate whether they serve any Class A customers during the period where Account 1580 CBR Class B sub-account balance accumulated. - Account 1580 sub-account CBR Class A is not to be disposed through rates proceedings but rather follow the OEB's accounting guidance. - The DVA continuity schedule will allocate the portion of Account 1580 sub-account CBR Class B allocated to customers who transitioned between Class A and Class B based on consumption levels	MS - 3.2.5.4
3.2.6 Lost Revenue Adjustment Mechanism Variance Account		
16 - 21	LRAMVA - disposition of balance. Distributors must provide version 3 of LRAMVA Work Form in a working Excel file when making LRAMVA requests for remaining amounts related to CFF activity. An application for lost revenues should include: Participation and Cost reports in Excel format, made available by the IESO. An application for lost revenues should also provide the following: - statement identifying the year(s) of new lost revenues and prior year savings persistence claimed in the LRAMVA disposition - statement confirming LRAMVA based on verified savings results supported by the distributors final CDM Report and Persistence Savings Report (both filed in Excel format) and a statement indicating use of most recent input assumptions when calculating lost revenue - summary table with principal and carrying charges by rate class and resulting rate riders - statement providing the disposition period; rationale provided for disposing the balance in the LRAMVA if one or more classes do not generate significant rate riders - statement confirming LRAMVA reference amounts, rationale for the distributors circumstances if LRAMVA threshold not used - rationale confirming how rate class allocations for actual CDM savings were determined by class and program (Tab 3-A of LRAMVA Work Form) - statement confirming whether additional documentation was provided in support of projects that were not included in distributors final CDM Annual Report (Tab 8 of LRAMVA Work Form as applicable) - for a distributor's streetlighting project(s) which may have been completed in collaboration with local municipalities, the following must be provided: Explanation of the methodology to calculate streetlighting savings; Confirmation whether the streetlighting savings were calculated in accordance with OEB-approved load profiles for streetlighting projects; Confirmation whether the streetlighting project(s) received funding from the IESO and the appropriate net-to-gross assumption used to calculate streetlighting savings For the recovery of lost revenues related to demand savings from street light upgrades, distributors should provide the following information: o Explanation of the forecast demand savings from street lights, including assumptions built into the load forecast from the last CoS application o Confirmation that the street light upgrades represent incremental savings attributable to participation in the IESO program, and that any savings not attributable to the IESO program have been removed (for example, other upgrades under normal asset management plans) o Confirmation that the associated energy savings from the applicable IESO program have been removed from the LRAMVA workform so as not to double count savings (for example, if requesting lost revenue recovery for the demand savings from a street light upgrade program, the associated energy savings from the Retrofit program have been subtracted from the Retrofit total) o Confirmation that the distributor has received reports from the participating municipalities that validate the number and type of	MS - 3.2.6 & Appendix 4 & filed separately in excel format
3.2.7 Tax Changes		
21	If applicable, tabs 8 and 9 of Rate Generator Model complete	n/a
21	If one or more customer classes does not generate a rate rider to the fourth decimal place, a proposal that the entire 50/50 sharing amount will be transferred to Account 1595 for disposition at a future date	n/a
3.2.8 Z-Factor Claims, Pg. 20-21		
23	Evidence that costs incurred meet criteria of need, materiality and prudence - see 3rd Generation IRM Report	n/a

2021 IRM Checklist

Niagara-on-the-Lake Hydro Ince

EB-2020-0042

Filing Requirement Page # Reference		Date: October 8, 2020
IRM REQUIREMENTS		Evidence Reference, Notes
23	In addition distributor must: - Notify OEB by letter of all Z-Factor events within 6 months of event (Confirm that letter is on file) - Apply to OEB for any cost recovery of amounts in OEB-approved deferral account claimed under Z-Factor treatment - Demonstrate that distributor could not have been able to plan or budget for the event and harm caused is genuinely incremental - Demonstrate that costs incurred within a 12-month period and are incremental to those already being recovered in rates as part of ongoing business exposure risk	n/a
3.2.8.2 Z-Factor Accounting Treatment		
23	Eligible Z-factor cost amounts recorded in Account 1572, Extraordinary Event Costs, of the OEB's USoA contained in the Accounting Procedures Handbook (APH) for electricity distributors.	n/a
23	Carrying charges are calculated using simple interest applied to the monthly opening balances in the account and recorded in a separate Sub-Account of this account	n/a
3.2.8.3 Recovery of Z-Factor Costs		
24	Description of manner in which distributor intends to allocate incremental costs, including rationale for approach and merits of alternative allocation methods	n/a
24	Specification of whether rate rider(s) will apply on fixed or variable basis, or combination; length of disposition period and rationale for proposal	n/a
24	Residential rider on fixed basis	n/a
24	Detailed calculation of incremental revenue requirement and resulting rate rider(s)	n/a
3.3.1 Advanced Capital Module		
25	Evidence of passing "Means Test"	n/a
25	Information on relevant project or projects updated cost projections, confirmation that the project or projects are on schedule to be completed as planned and an updated ACM/ICM module in Excel format	n/a
25	If proposed recovery differs significantly from pre-approved amount, a detailed explanation is required as to why	n/a
25	If updated cost projects are 30% greater than pre-approved amount, distributor must treat project as new ICM, re-filed business case and other relevant material required	n/a
3.3.2 Incremental Capital Module		
3.3.2.1 ICM Filing Requirements		
	The following should be provided when filing for incremental capital:	n/a
27	An analysis demonstrating that the materiality threshold test has been met and that the amounts will have a significant influence on the operation of the distributor	n/a
27	Justification that the amounts to be incurred will be prudent - amounts represents the most cost-effective option (but not necessarily the least initial cost) for ratepayers	n/a
27	Justification that amounts being sought are directly related to the cause, which must be clearly outside of the base upon which current rates were derived	n/a
27 - 28	Evidence that the incremental revenue requested will not be recovered through other means (e.g., it is not, in full or in part, included in base rates or being funded by the expansion of service to include new customers and other load growth)	n/a
28	Details by project for the proposed capital spending plan for the expected in-service year	n/a
28	Description of the proposed capital projects and expected in-service dates	n/a
28	Calculation of the revenue requirement (i.e. the cost of capital, depreciation, and PILs) associated with each proposed incremental capital project	n/a
28	Calculation of each incremental project's revenue requirements that will be offset by revenue generated through other means (e.g. customer contributions in aid of construction)	n/a
28	Description of the actions the distributor would take in the event that the OEB does not approve the application	n/a
28	Calculation of a rate rider to recover the incremental revenue from each applicable customer class. The distributor must identify and provide a rationale for its proposed rider design, whether variable, fixed or a combination of fixed and variable riders. As discussed at section 3.2.3, any new rate rider for the residential class must be applied on a fixed basis	n/a
3.3.5 Off-Ramps		
33 - 34	A distributor whose earnings are in excess of the dead band (i.e. 300 basis points) but nevertheless applies for an increase to its base rates - an explanation to substantiate its reasons for doing so required	MS - 3.3.5
Appendix A		
Appendix A	Confirm disposition of residual balances for vintage Account 1595 have only been done once - distributors expected to seek disposition of the balance a year after a rate rider's sunset date has expired. No further dispositions of these accounts are generally expected unless justified by the distributor	n/a
Appendix A & Page 5	Distributors who meet the requirements for disposition of residual balances of Account 1595 sub-accounts, must complete the 1595 Analysis Workform. Account 1595 sub-accounts are eligible for disposition when one full year has elapsed since the associated rate riders' sunset dates have expired and the residual balances have been externally audited.	n/a
Appendix A	Material residual balances will require further analysis, consisting of separating the components of the residual balances by each applicable rate rider and by customer rate class. Distributors are expected to provide detailed explanations for any significant residual balances attributable to specific rate riders for each customer rate class. Explanations must include for example, volume differences between forecast volumes (used to calculate the rate riders) as compared to actual volumes at which the rate riders were billed.	n/a

1 Appendix 2 – NOTLH 2021 IRM Rate Generator Model

Instructions for Tabs 1, 3 to 7

Summary of Changes from the Prior Year	
1	Questions are revised on tab 1. The continuity schedule in tab 3 will open starting from the year balances were last approved for disposition, unless the last approved disposition was on an interim basis and there are changes to those balances. If that is the case, tab 3 will open from the year of last approved disposition on a final basis. A distributor must also provide an explanation for the change in the previously approved balance.
2	In the continuity schedule on tab 3, the option on whether Accounts 1588 and 1589 is requested for disposition has been removed. It is expected that Accounts 1588 and 1589 are to be disposed unless there is a reason it should not be. If that is the case, contact the Case Manager.
3	Footnote #4 in tab 3 has been revised to clarify that the amount in the "Transactions" column in the DVA Continuity Schedule are to equal the transactions in the General Ledger (excluding any amounts approved for disposition, which is shown separately in the "OEB Approved Disposition" columns). Any true-ups/adjustments/reversals needed to derive the claim amount must be shown separately in the "Principal Adjustments" columns of this DVA Continuity Schedule.

Detailed Instructions for Each Tab

Tab	Tab Details	Step	Details
1 - Information Sheet	This tab shows some information pertaining to the utility and the application.	1	<p>Complete the information sheet.</p> <p>a) <u>Questions 2 to 4</u> Responses to questions 2 to 4 will open the DVA continuity schedule in tab 3 to the appropriate year that DVA balances should first be inputted.</p> <p>The continuity schedule will open starting from the year balances were last approved for disposition, unless the last approved disposition was on an interim basis and there are changes to those balances. If that is the case, the continuity schedule will open from the year of last approved disposition on a final basis. A distributor must also provide an explanation for the change in the previously approved balance.</p> <p>b) <u>Questions 5 and 6</u> If the response to question 5 (GA) or 6 (CBR Class B) is yes, tab 6 relating to Class A customers' consumption will be generated. If the response to question 6 is yes, then tab 6.2 will also be generated. This tab will allocate and dispose the balance in Account 1580, sub-account CBR Class B through a separate rate rider using information inputted in tab 6, unless a rate rider is not produced. If the response to question 6 is no, then the balance in the Account 1580, sub-account CBR Class B will be allocated and disposed with Account 1580 WMS, as part of the general DVA rate rider</p>
3 - Continuity Schedule	This tab is the continuity schedule that shows all the accounts and the accumulation of the balances a utility has.	2	<p>Complete the DVA continuity schedule.</p> <p>a) <u>For all Group 1 accounts, except Account 1595:</u> The continuity schedule will open from the year the GL balance was last disposed. Start inputting the approved ending balances in the Adjustments column of that year. <i>For example, if in the 2020 rate application, DVA balances as at December 13, 2018 were approved for disposition, the continuity schedule will commence from 2018. Start by inputting the approved closing 2018 balances in the Adjustments column under 2018.</i></p> <p>b) <u>For all Account 1595 sub-accounts:</u> Complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2019, regardless of whether the account is being requested for disposition in the current application.</p> <p>The continuity schedule will open in the year of the earliest Account 1595 vintage year that has a balance. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). <i>For example, Account 1595 (2015) would accumulate a balance starting in 2015, when the relevant balances approved for disposition were first transferred into Account 1595 (2015). Input the amount approved for disposition in the OEB Approved Disposition column.</i></p> <p><i>Note that the DVA continuity schedule can currently start from 2014. If a utility has residual balance in an Account 1595 with a vintage year prior to 2014, include residual balances for years up to 2014 in the row for Account 1595 (2014 and pre-2014) and provide a separate schedule with amounts broken down by vintage year.</i></p>
4 - Billing Determinant	This tab shows the billing determinants that will be used to allocate account balances and calculate rate riders.	3	Review any balance variance between the DVA continuity schedule and the RRR in column BW. Provide an explanation, if necessary.
4 - Billing Determinant	This tab shows the billing determinants that will be used to allocate account balances and calculate rate riders.	4	Confirm the accuracy of the RRR data used to populate the tab.
4 - Billing Determinant	This tab shows the billing determinants that will be used to allocate account balances and calculate rate riders.	5	Review the disposition threshold calculation. Select whether disposition is being requested or not in the drop down box.
6 - Class A Data Consumption	This tab is to be completed if there were any Class A customers at any point during the period the GA balance or CBR Class B accumulated. The data on this tab is used for the purposes of determining the GA rate rider, CBR Class B rate rider (if applicable), as well as customer specific GA and CBR charges for transition customers (if applicable).	6	<p>This tab is generated when the utility selects yes to questions 5 or 6 in tab 1, indicating they had Class A customers during the period that the GA or CBR balance accumulated.</p>
6 - Class A Data Consumption	This tab is to be completed if there were any Class A customers at any point during the period the GA balance or CBR Class B accumulated. The data on this tab is used for the purposes of determining the GA rate rider, CBR Class B rate rider (if applicable), as well as customer specific GA and CBR charges for transition customers (if applicable).	7	<p>Under #2a, indicate whether the utility had any customers that transitioned between Class A and B during the period the Account 1589 GA balance accumulated. If yes, tab 6.1a will be generated.</p> <p>Under #2b, indicate whether the utility had any customers that transitioned between Class A and B during the period the Account 1580, sub-account CBR Class B balance accumulated. If yes, tab 6.2a will be generated.</p>
6 - Class A Data Consumption	This tab is to be completed if there were any Class A customers at any point during the period the GA balance or CBR Class B accumulated. The data on this tab is used for the purposes of determining the GA rate rider, CBR Class B rate rider (if applicable), as well as customer specific GA and CBR charges for transition customers (if applicable).	8	<p>Under #3a, enter the number of transition customers the utility had during the period the Account 1589 GA or Account 1580 CBR B balances accumulated. A table will be generated based on the number of customers.</p> <p>Complete the table accordingly for each transition customer identified (i.e. kWh/kW for half year periods, and the customer class during the half year). This data will automatically be used in the GA balance and CBR Class B balance allocation to transition customers in tabs 6.1a and 6.2a respectively. This data will also be used in the calculation of billing determinants for GA and CBR Class B balances, as applicable.</p> <p>Note that each transition customer identified in tab 6, table 3a will be assigned a customer number and the number will correspond to the same transition customer populated in tabs 6.1a and 6.2a.</p> <p>Also note that the transition customers identified for the GA may be different than those for CBR Class B. This would depend on the period in which the GA and CBR Class B balances accumulated.</p>
6 - Class A Data Consumption	This tab is to be completed if there were any Class A customers at any point during the period the GA balance or CBR Class B accumulated. The data on this tab is used for the purposes of determining the GA rate rider, CBR Class B rate rider (if applicable), as well as customer specific GA and CBR charges for transition customers (if applicable).	9	<p>Under #3b, enter the number of rate classes in which there were full year Class A customers during the period the Account 1589 GA balance or Account 1580 CBR Class B balance accumulated. A table will be generated based on the number of rate classes.</p> <p>Complete the table accordingly for each rate class identified (i.e. total Class A consumption in the rate class identified for each year). This data will be used in the calculation of billing determinants for GA and CBR Class B, as applicable.</p>
6.1a - GA Allocation	This tab allocates the GA balance to each transition customer for the period in which these customers were Class B customers and contributed to the GA balance (i.e. former Class B customers but are now Class A customers and former Class A customers who are now Class B customers).	10	<p>This tab is generated when the utility indicates that they had transition customers in tab 6, #2a during the period the Account 1589 GA balance accumulated.</p> <p>In row 20, enter the Non-RPP consumption less WMP consumption.</p> <p>The rest of the information in this tab will be auto-populated and will calculate the customer specific allocation of the GA balance to transition customers in the bottom table. All transition customers who are allocated a specific GA amount are not to be charged the general Non-RPP Class B GA rate rider as calculated in tab 6.1.</p>
6.1 - GA	This tab calculates the GA rate rider to be applied to all non-RPP Class B customers (except for the transition customers allocated a customer specific balance in tab 6.1a).	11	<p>Enter the proposed rate rider recovery period if different than the default 12 month period. The rest of the information in the tab is auto-populated and the GA rate riders are calculated accordingly based on whether there were any transition customers during the period that the GA balance accumulated.</p>
6.2a - CBR B Allocation	This tab allocates the CBR Class B balance to each transition customer for the period in which these customers were Class B customers and contributed to the CBR Class B balance (i.e. former Class B customers but are now Class A customers and former Class A customers who are now Class B).	12	<p>This tab is generated when the utility indicates that they had transition customers in tab 6, #2b during the period where the CBR Class B balance accumulated.</p> <p>In row 19, enter the total Class B consumption less WMP consumption.</p> <p>The rest of the information in this tab will be auto-populated and will calculate the customer specific allocation of the CBR Class B balance to transition customers in the bottom table. All transition customers who are allocated a specific CBR Class B amount are not to be charged the general CBR Class B rate rider.</p>
6.2 - CBR	This tab calculates the CBR Class B rate rider if there were Class A customers at any point during the period that the CBR Class B balance accumulated.	13	<p>This tab is generated when the response to question 6 in tab 1 is "yes", indicating that they had Class A customers during the period that Account 1580, sub-account CBR Class B balance accumulated.</p> <p>No input is required in this tab. The information in the tab is auto-populated and the CBR Class B rate riders are calculated accordingly. If a rate rider is not produced, the entire Account 1580 CBR Class B balance, including the amount allocated to transition customers will be transferred to Account 1580 WMS, to be disposed through the general Group 1 DVA rate rider.</p>
5 - Allocating Def-Var Balances	This tab allocates the Group 1 balances, except GA and CBR Class B (if Class A customers exist).	14	Review the allocated balances to ensure the allocation is appropriate. Note that the final allocation for Account 1580, sub-account CBR Class B is calculated after the completion of tabs 6 to 6.2a.
7 - Calculation of Def-Var RR	This tab calculates the Group 1 rate riders, except for GA and CBR Class B (if Class A customers exist)	15	Enter the proposed rate rider recovery period if different than the default 12 month period. The rest of the information in the tab is auto-populated and the rate riders are calculated accordingly.

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

Quick Link

Ontario Energy Board's 2021 Electricity
Distribution Rate Applications Webpage

Version 1.0

Utility Name

Assigned EB Number

Name of Contact and Title

Phone Number

Email Address

We are applying for rates effective

Rate-Setting Method

1. Select the last Cost of Service rebasing year.

2. For Accounts 1588 and 1589, please indicate the year the accounts were last disposed on a final basis.

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

b) If the accounts were last approved on an interim basis, and

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

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

3. For the remaining Group 1 DVAs, please indicate the year the accounts were last disposed on a final basis.

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

b) If the accounts were last approved on an interim basis, and

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

4. Select the earliest vintage year in which there is a balance in Account 1595.

(e.g. If 2016 is the earliest vintage year in which there is a balance in a 1595 sub-account, select 2016.)

5. Did you have any Class A customers at any point during the period that the Account 1589 balance accumulated (i.e. from the year the balance selected in #2 above to the year requested for disposition)?

6. Did you have any Class A customers at any point during the period where the balance in Account 1580, Sub-account CBR Class B accumulated (i.e. from the year selected in #3 above to the year requested for disposition)?

7. Retail Transmission Service Rates: Niagara-on-the-Lake Hydro Inc. is:

8. Have you transitioned to fully fixed rates?

Legend

☐ Pale green cells represent input cells.

☐ Pale blue cells represent drop-down lists. The applicant should select the appropriate item from the drop-down list.



Incentive Rate-setting Mechanism

Rate Generator for 2021 Filers

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

RESIDENTIAL SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	29.41
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2021	\$	0.21
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$	0.39
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021 Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kWh	0.0003
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0078
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016

MONTHLY RATES AND CHARGES - Regulatory Component

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



Incentive Rate-setting Mechanism

Rate Generator for 2021 Filers

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	40.08
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0119
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021		
Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kWh	0.0004
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kWh	0.0005
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2021	\$/kWh	0.0005
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016

MONTHLY RATES AND CHARGES - Regulatory Component

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



Incentive Rate-setting Mechanism

Rate Generator for 2021 Filers

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than 50 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	286.44
Distribution Volumetric Rate	\$/kW	2.3975
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021		
Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kW	0.1645
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kW	0.2008
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019)		
- effective until April 30, 2021	\$/kW	0.1343
Retail Transmission Rate - Network Service Rate	\$/kW	2.9048
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.5347
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.1394
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.2861



Incentive Rate-setting Mechanism

Rate Generator for 2021 Filers

MONTHLY RATES AND CHARGES - Regulatory Component

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

LARGE USE SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	3,754.95
Distribution Volumetric Rate	\$/kW	2.3975
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021		
Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kW	0.1555
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kW	0.2008
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.1394
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered (see Note 1)	\$/kW	1.2861

MONTHLY RATES AND CHARGES - Regulatory Component



Ontario Energy Board

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Incentive Rate-setting Mechanism

Rate Generator for 2021 Filers

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



Incentive Rate-setting Mechanism

Rate Generator for 2021 Filers

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per customer)	\$	21.56
Distribution Volumetric Rate	\$/kWh	0.0055
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021		
Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kWh	0.0004
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kWh	0.0005
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016

MONTHLY RATES AND CHARGES - Regulatory Component

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



Incentive Rate-setting Mechanism

Rate Generator for 2021 Filers

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established by an approved Ontario Energy Board process. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	7.32
Distribution Volumetric Rate	\$/kW	1.7615
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021		
Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kW	0.1436
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kW	0.1852
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2021	\$/kW	13.1960
Retail Transmission Rate - Network Service Rate	\$/kW	2.1903
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.4134

MONTHLY RATES AND CHARGES - Regulatory Component

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



Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation or Load Displacement Storage that requires Niagara-on-the-Lake Hydro to provide back-up service. Standby Charges are to be applied to behind-the-meter generators that have a nameplate capacity greater than or equal to 500kW and are not IESO market participants or IESO program participants (FIT, MicroFIT, SOP etc.) which have their own metering and settlement conventions as per regulation and legislation. For the purpose of this rate classification the term "generator" shall include electricity storage devices used for the primary purpose of Load Displacement. 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 changes, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment, and the HST.

MONTHLY RATES AND CHARGES

Standby Charges are based on applicable monthly General Service > 50kW to 4,999 kW or Large Use Distribution Volumetric Charges, depending on the rate classification of the generator host facility.

Distribution Charges on the generator host facility's load account will be determined by multiplying the peak hourly delivered load as measured by the load account meter in kW by applicable variable charges for the rate class. Standby Charges will be determined by multiplying the peak coincident combined kW delivered by both the distribution system and the generator, less the peak hourly delivered load in kW of the host customer facility as measured by the generator host load account meter.



Incentive Rate-setting Mechanism

Rate Generator for 2021 Filers

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 Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	10.00
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ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.56)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	(1.00)

SPECIFIC SERVICE CHARGES

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

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

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

Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Pulling post dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement letter	\$	15.00
Account history	\$	15.00
Credit check (plus credit agency costs)	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	190.00



Incentive Rate-setting Mechanism

Rate Generator for 2021 Filers

Non-Payment of Account

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily)	%	1.50
Reconnection at meter - during regular hours	\$	95.00
Reconnection at meter - after regular hours	\$	320.00
Reconnection at pole - during regular hours	\$	185.00
Reconnection at pole - after regular hours	\$	610.00

Other

Service call - customer-owned equipment - during regular hours	\$	30.00
Service call - customer-owned equipment - after regular hours	\$	320.00
Temporary service - install & remove - overhead - no transformer	\$	Variable
Temporary service - install & remove - underground - no transformer	\$	Variable
Temporary service - install & remove - overhead - with transformer	\$	Variable
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	44.50

RETAIL SERVICE CHARGES (if applicable)

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

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

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

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the 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	\$	102.00
Monthly fixed charge, per retailer	\$	40.80
Monthly variable charge, per customer, per retailer	\$/cust.	1.02
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.51
Processing fee, per request, applied to the requesting party	\$	1.02
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	4.08
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.04

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	1.0373
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0275
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

		2016									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2016	Transactions Debit/ (Credit) during 2016	OEB-Approved Disposition during 2016	Principal Adjustments ¹ during 2016	Closing Principal Balance as of Dec 31, 2016	Opening Interest Amounts as of Jan 1, 2016	Interest Jan 1 to Dec 31, 2016	OEB-Approved Disposition during 2016	Interest Adjustments ² during 2016	Closing Interest Amounts as of Dec 31, 2016
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge ⁵	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A ⁵	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B ⁵	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	0				0	0				0
RSVA - Retail Transmission Connection Charge	1586	0				0	0				0
RSVA - Power ⁴	1588	0				0	0				0
RSVA - Global Adjustment ⁴	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2014 and pre-2014) ³	1595	0	0	0	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595	0	0	0	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	0	0	0	478,579	478,579	0	0	0	(5,495)	(5,495)
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	0	0	0	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	0	0	0	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	0	0	0	0	0	0	0	0	0	0
Refer to the Filing Requirements for disposition eligibility.	1595	0	0	0	0	0	0	0	0	0	0
RSVA - Global Adjustment	1589	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		0	0	0	478,579	478,579	0	0	0	(5,495)	(5,495)
Total Group 1 Balance		0	0	0	478,579	478,579	0	0	0	(5,495)	(5,495)
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	0			56,789	56,789	0			1,827	1,827
Total including Account 1568		0	0	0	535,368	535,368	0	0	0	(3,667)	(3,667)

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

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

² 1) If the LDC's rate year begins on January 1, 2021, the projected interest is recorded from January 1, 2020 to December 31, 2020 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.

2) If the LDC's rate year begins on May 1, 2021, the projected interest is recorded from January 1, 2020 to April 30, 2021 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.

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

Refer to Filing Requirements for disposition eligibility of the sub-accounts. Select "yes" column BU if the sub-account is requested for disposition. Note that Accounts 1595 (2018) and (2019) will not be eligible for disposition in the 2021 rate application.

⁴ New accounting guidance effective January 1, 2019 for Accounts 1588 and 1589 was issued Feb. 21, 2019 titled Accounting Procedures Handbook Update - Accounting Guidance Related to Commodity Pass-Through Accounts 1588 & 1589. The amount in the "Transactions" column in this DVA Continuity Schedule are to equal the transactions in the General Ledger (excluding any amounts approved for disposition, which is shown separately in the "OEB Approved Disposition" columns). Any true-ups/adjustments/reversals needed to derive the claim amount must be shown separately in the "Principal Adjustments" columns of this DVA Continuity Schedule.

⁵ RRR balance for Account 1580 RSVA - Wholesale Market Service Charge should equal to the control account as reported in the RRR. This would include the balance for Account 1580.Variance WMS – Sub-account CBR Class B.



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

		2017									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2017	Transactions Debit/ (Credit) during 2017	OEB-Approved Disposition during 2017	Principal Adjustments ¹ during 2017	Closing Principal Balance as of Dec 31, 2017	Opening Interest Amounts as of Jan 1, 2017	Interest Jan 1 to Dec 31, 2017	OEB-Approved Disposition during 2017	Interest Adjustments ³ during 2017	Closing Interest Amounts as of Dec 31, 2017
Group 1 Accounts											
LV Variance Account	1550	0				0	0				0
Smart Metering Entity Charge Variance Account	1551	0				0	0				0
RSVA - Wholesale Market Service Charge ⁵	1580	0				0	0				0
Variance WMS – Sub-account CBR Class A ⁵	1580	0				0	0				0
Variance WMS – Sub-account CBR Class B ⁵	1580	0				0	0				0
RSVA - Retail Transmission Network Charge	1584	0				0	0				0
RSVA - Retail Transmission Connection Charge	1586	0				0	0				0
RSVA - Power ⁴	1588	0				0	0				0
RSVA - Global Adjustment ⁴	1589	0				0	0				0
Disposition and Recovery/Refund of Regulatory Balances (2014 and pre-2014) ³	1595	0	0	0	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595	0	0	0	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	478,579	(261,987)	0	18,569	235,161	(5,495)	5,421	0	112	39
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	0	153,848	258,588	0	(104,740)	0	(1,396)	7,940	0	(9,336)
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	0	0	0	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	0	0	0	0	0	0	0	0	0	0
Refer to the Filing Requirements for disposition eligibility.											
RSVA - Global Adjustment	1589	0	0	0	0	0	0	0	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		478,579	(108,138)	258,588	18,569	130,421	(5,495)	4,026	7,940	112	(9,297)
Total Group 1 Balance		478,579	(108,138)	258,588	18,569	130,421	(5,495)	4,026	7,940	112	(9,297)
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	56,789	0	56,789	0	0	1,827	208	2,035	0	0
Total including Account 1568		535,368	(108,138)	315,377	18,569	130,421	(3,667)	4,234	9,976	112	(9,297)

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

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

² 1) If the LDC's rate year begins on January 1, 2021, the projected interest is recorded from January 1, 2020 to December 31, 2020 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.

2) If the LDC's rate year begins on May 1, 2021, the projected interest is recorded from January 1, 2020 to April 30, 2021 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.

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

Refer to Filing Requirements for disposition eligibility of the sub-accounts. Select "yes" column BU if the sub-account is requested for disposition. Note that Accounts 1595 (2018) and (2019) will not be eligible for disposition in the 2021 rate application.

⁴ New accounting guidance effective January 1, 2019 for Accounts 1588 and 1589 was issued Feb. 21, 2019 titled Accounting Procedures Handbook Update - Accounting Guidance Related to Commodity Pass-Through Accounts 1588 & 1589. The amount in the "Transactions" column in this DVA Continuity Schedule are to equal the transactions in the General Ledger (excluding any amounts approved for disposition, which is shown separately in the "OEB Approved Disposition" columns). Any true-ups/adjustments/reversals needed to derive the claim amount must be shown separately in the "Principal Adjustments" columns of this DVA Continuity Schedule.

⁵ RRR balance for Account 1580 RSVA - Wholesale Market Service Charge should equal to the control account as reported in the RRR. This would include the balance for Account 1580.Variance WMS – Sub-account CBR Class B.



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

		2018									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2018	Transactions Debit/ (Credit) during 2018	OEB-Approved Disposition during 2018	Principal Adjustments ¹ during 2018	Closing Principal Balance as of Dec 31, 2018	Opening Interest Amounts as of Jan 1, 2018	Interest Jan 1 to Dec 31, 2018	OEB-Approved Disposition during 2018	Interest Adjustments ¹ during 2018	Closing Interest Amounts as of Dec 31, 2018
Group 1 Accounts											
LV Variance Account	1550	0			0	0	0			0	0
Smart Metering Entity Charge Variance Account	1551	0			(13,098)	(13,098)	0			(214)	(214)
RSVA - Wholesale Market Service Charge ⁵	1580	0			(230,574)	(230,574)	0			(7,279)	(7,279)
Variance WMS – Sub-account CBR Class A ⁵	1580	0			0	0	0			0	0
Variance WMS – Sub-account CBR Class B ⁵	1580	0			(8,340)	(8,340)	0			139	139
RSVA - Retail Transmission Network Charge	1584	0			31,587	31,587	0			1,783	1,783
RSVA - Retail Transmission Connection Charge	1586	0			15,319	15,319	0			734	734
RSVA - Power ⁴	1588	0			147,505	147,505	0			13,816	13,816
RSVA - Global Adjustment ⁴	1589	0			16,059	16,059	0			(5,926)	(5,926)
Disposition and Recovery/Refund of Regulatory Balances (2014 and pre-2014) ³	1595	0	0	0	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595	0	0	0	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	235,161	(216,593)	0	(18,569)	0	39	(6,253)	0	(112)	(6,326)
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	(104,740)	106,396	0	0	1,656	(9,336)	9,336	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	0	195,881	301,739	0	(105,858)	0	(2,546)	(14,313)	0	11,767
Disposition and Recovery/Refund of Regulatory Balances (2019) ³ <small>Refer to the Filing Requirements for disposition eligibility.</small>	1595	0	0	0	0	0	0	0	0	0	0
RSVA - Global Adjustment	1589	0	0	0	16,059	16,059	0	0	0	(5,926)	(5,926)
Total Group 1 Balance excluding Account 1589 - Global Adjustment		130,421	85,684	301,739	(76,169)	(161,803)	(9,297)	537	(14,313)	8,866	14,419
Total Group 1 Balance		130,421	85,684	301,739	(60,110)	(145,744)	(9,297)	537	(14,313)	2,940	8,493
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	0	0	0	0	0	0	0	0	0	0
Total including Account 1568		130,421	85,684	301,739	(60,110)	(145,744)	(9,297)	537	(14,313)	2,940	8,493

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

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

² 1) If the LDC's rate year begins on January 1, 2021, the projected interest is recorded from January 1, 2020 to December 31, 2020 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.

2) If the LDC's rate year begins on May 1, 2021, the projected interest is recorded from January 1, 2020 to April 30, 2021 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.

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

Refer to Filing Requirements for disposition eligibility of the sub-accounts. Select "yes" column BU if the sub-account is requested for disposition. Note that Accounts 1595 (2018) and (2019) will not be eligible for disposition in the 2021 rate application.

⁴ New accounting guidance effective January 1, 2019 for Accounts 1588 and 1589 was issued Feb. 21, 2019 titled Accounting Procedures Handbook Update - Accounting Guidance Related to Commodity Pass-Through Accounts 1588 & 1589. The amount in the "Transactions" column in this DVA Continuity Schedule are to equal the transactions in the General Ledger (excluding any amounts approved for disposition, which is shown separately in the "OEB Approved Disposition" columns). Any true-ups/adjustments/reversals needed to derive the claim amount must be shown separately in the "Principal Adjustments" columns of this DVA Continuity Schedule.

⁵ RRR balance for Account 1580 RSVA - Wholesale Market Service Charge should equal to the control account as reported in the RRR. This would include the balance for Account 1580.Variance WMS – Sub-account CBR Class B.



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Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

		2019									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2019	Transactions Debit/ (Credit) during 2019	OEB-Approved Disposition during 2019	Principal Adjustments ¹ during 2019	Closing Principal Balance as of Dec 31, 2019	Opening Interest Amounts as of Jan 1, 2019	Interest Jan 1 to Dec 31, 2019	OEB-Approved Disposition during 2019	Interest Adjustments ³ during 2019	Closing Interest Amounts as of Dec 31, 2019
Group 1 Accounts											
LV Variance Account	1550	0	0	0	0	0	0	0	0	0	0
Smart Metering Entity Charge Variance Account	1551	(13,098)	(2,480)	(3,533)	0	(12,045)	(214)	(274)	(105)	0	(382)
RSVA - Wholesale Market Service Charge ⁵	1580	(230,574)	(72,220)	(204,338)	(415)	(98,870)	(7,279)	(2,134)	(7,500)	(7)	(1,920)
Variance WMS – Sub-account CBR Class A ⁵	1580	0	(415)	0	415	0	0	(7)	0	7	0
Variance WMS – Sub-account CBR Class B ⁵	1580	(8,340)	(23,504)	(1,800)	0	(30,044)	139	(383)	208	0	(452)
RSVA - Retail Transmission Network Charge	1584	31,587	(28,818)	(49,183)	0	51,952	1,783	899	496	0	2,187
RSVA - Retail Transmission Connection Charge	1586	15,319	(65,342)	(864)	0	(49,150)	734	(133)	147	0	454
RSVA - Power ⁴	1588	147,505	(11,142)	131,084	0	5,279	13,816	2,785	6,836	0	9,765
RSVA - Global Adjustment ⁴	1589	16,059	43,540	(198,392)	(78,553)	179,438	(5,926)	4,188	(3,693)	0	1,955
Disposition and Recovery/Refund of Regulatory Balances (2014 and pre-2014) ³	1595	0	0	0	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595	0	0	0	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	0	0	0	0	0	(6,326)	0	0	0	(6,326)
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	1,656	0	0	0	1,656	0	37	0	0	37
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	(105,858)	149,612	0	0	43,754	11,767	88	0	0	11,855
Disposition and Recovery/Refund of Regulatory Balances (2019) ³ <small>Refer to the Filing Requirements for disposition eligibility.</small>	1595	0	66,666	(80,796)	0	147,462	0	1,401	(19,898)	0	21,299
RSVA - Global Adjustment	1589	16,059	43,540	(198,392)	(78,553)	179,438	(5,926)	4,188	(3,693)	0	1,955
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(161,803)	12,356	(209,431)	0	59,984	14,419	2,280	(19,816)	0	36,515
Total Group 1 Balance		(145,744)	55,896	(407,823)	(78,553)	239,423	8,493	6,468	(23,510)	0	38,471
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	0	195,530	195,530	185,900	185,900	0	7,179	7,179	6,785	6,785
Total including Account 1568		(145,744)	251,426	(212,294)	107,347	425,322	8,493	13,647	(16,331)	6,785	45,255

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

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

² 1) If the LDC's rate year begins on January 1, 2021, the projected interest is recorded from January 1, 2020 to December 31, 2020 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.

2) If the LDC's rate year begins on May 1, 2021, the projected interest is recorded from January 1, 2020 to April 30, 2021 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.

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

Refer to Filing Requirements for disposition eligibility of the sub-accounts. Select "yes" column BU if the sub-account is requested for disposition. Note that Accounts 1595 (2018) and (2019) will not be eligible for disposition in the 2021 rate application.

⁴ New accounting guidance effective January 1, 2019 for Accounts 1588 and 1589 was issued Feb. 21, 2019 titled Accounting Procedures Handbook Update - Accounting Guidance Related to Commodity Pass-Through Accounts 1588 & 1589. The amount in the "Transactions" column in this DVA Continuity Schedule are to equal the transactions in the General Ledger (excluding any amounts approved for disposition, which is shown separately in the "OEB Approved Disposition" columns). Any true-ups/adjustments/reversals needed to derive the claim amount must be shown separately in the "Principal Adjustments" columns of this DVA Continuity Schedule.

⁵ RRR balance for Account 1580 RSVA - Wholesale Market Service Charge should equal to the control account as reported in the RRR. This would include the balance for Account 1580.Variance WMS – Sub-account CBR Class B.



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Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

Account Descriptions	Account Number	2020				Projected Interest on Dec-31-2019 Balances				Account Disposition: Yes/No?	2.1.7 RRR ⁵	
		Principal Disposition during 2020 - instructed by OEB	Interest Disposition during 2020 - instructed by OEB	Closing Principal Balances as of Dec 31, 2019 Adjusted for Disposition during 2020	Closing Interest Balances as of Dec 31, 2019 Adjusted for Disposition during 2020	Projected Interest from Jan 1, 2020 to Dec 31, 2020 on Dec 31, 2019 balance adjusted for disposition during 2020 ²	Projected Interest from Jan 1, 2021 to Apr 30, 2021 on Dec 31, 2019 balance adjusted for disposition during 2020 ²	Total Interest	Total Claim		As of Dec 31, 2019	Variance RRR vs. 2019 Balance (Principal + Interest)
Group 1 Accounts												
LV Variance Account	1550	0	0	0	0	0	0	0	0		0	0
Smart Metering Entity Charge Variance Account	1551	(9,565)	(393)	(2,480)	11	(34)	(5)	(28)	(2,508)		(12,428)	0
RSVA - Wholesale Market Service Charge ⁵	1580	(26,236)	(559)	(72,634)	(1,361)	(999)	(138)	(2,498)	(75,132)		(131,287)	(30,497)
Variance WMS – Sub-account CBR Class A ⁵	1580	0	0	0	0	0	0	0	0		0	0
Variance WMS – Sub-account CBR Class B ⁵	1580	(6,540)	(264)	(23,504)	(188)	(323)	(45)	(556)	(24,061)		(30,497)	0
RSVA - Retail Transmission Network Charge	1584	80,771	3,690	(28,818)	(1,503)	(396)	(55)	(1,954)	(30,772)		54,139	0
RSVA - Retail Transmission Connection Charge	1586	16,183	1,068	(65,342)	(614)	(898)	(124)	(1,637)	(66,979)		(48,705)	0
RSVA - Power ⁴	1588	16,421	7,468	(11,142)	2,296	(153)	(21)	2,122	(9,020)		15,043	0
RSVA - Global Adjustment ⁴	1589	214,451	4,145	(35,012)	(2,190)	(481)	(67)	(2,738)	(37,751)		181,394	0
Disposition and Recovery/Refund of Regulatory Balances (2014 and pre-2014) ³	1595	0	0	0	0	0	0	0	0	No	0	0
Disposition and Recovery/Refund of Regulatory Balances (2015) ³	1595	0	0	0	0	0	0	0	0	No	0	0
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	0	0	0	(6,326)	0	0	(6,326)	0	No	(6,326)	0
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	0	0	1,656	37	23	3	63	0	No	1,693	0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	0	0	43,754	11,855	602	83	12,539	0	No	55,609	0
Disposition and Recovery/Refund of Regulatory Balances (2019) ³ <i>Refer to the Filing Requirements for disposition eligibility.</i>	1595	0	0	147,462	21,299	2,028	280	23,606	0	No	168,761	0
RSVA - Global Adjustment	1589	214,451	4,145	(35,012)	(2,190)	(481)	(67)	(2,738)	(37,751)		181,394	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		71,035	11,010	(11,050)	25,505	(152)	(21)	25,332	(208,472)		96,500	0
Total Group 1 Balance		285,485	15,155	(46,063)	23,315	(633)	(88)	22,594	(246,223)		277,894	0
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	0	0	185,900	6,785			6,785	192,684		0	(192,684)
Total including Account 1568		285,485	15,155	139,837	30,100	(633)	(88)	29,379	(53,538)		277,894	(192,684)

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

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

² 1) If the LDC's rate year begins on January 1, 2021, the projected interest is recorded from January 1, 2020 to December 31, 2020 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.

2) If the LDC's rate year begins on May 1, 2021, the projected interest is recorded from January 1, 2020 to April 30, 2021 on the December 31, 2019 balances adjusted to remove balances approved for disposition in the 2020 rate decision.

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

Refer to Filing Requirements for disposition eligibility of the sub-accounts. Select "yes" column BU if the sub-account is requested for disposition. Note that Accounts 1595 (2018) and (2019) will not be eligible for disposition in the 2021 rate application.

⁴ New accounting guidance effective January 1, 2019 for Accounts 1588 and 1589 was issued Feb. 21, 2019 titled Accounting Procedures Handbook Update - Accounting Guidance Related to Commodity Pass-Through Accounts 1588 & 1589. The amount in the "Transactions" column in this DVA Continuity Schedule are to equal the transactions in the General Ledger (excluding any amounts approved for disposition, which is shown separately in the "OEB Approved Disposition" columns). Any true-ups/adjustments/reversals needed to derive the claim amount must be shown separately in the "Principal Adjustments" columns of this DVA Continuity Schedule.

⁵ RRR balance for Account 1580 RSVA - Wholesale Market Service Charge should equal to the control account as reported in the RRR. This would include the balance for Account 1580.Variance WMS – Sub-account CBR Class B.



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Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

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

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

Have you confirmed the accuracy of the data below?

Yes

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

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

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers (excluding WMP)	Metered kW for Non-RPP Customers (excluding WMP)	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)	1568 LRAM Variance Account Class Allocation (\$ amounts)	Number of Customers for Residential and GS<50 classes ³
RESIDENTIAL SERVICE CLASSIFICATION	kWh	75,007,658	0	1,199,683	0	0	0	75,007,658	0	15,352	8,060
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	42,102,477	0	4,588,203	0	0	0	42,102,477	0	54,525	1,371
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	85,274,145	216,132	79,969,836	201,837	0	0	85,274,145	216,132	75,575	
LARGE USE SERVICE CLASSIFICATION	kW	25,819,528	85,210	25,819,528	85,210	0	0	25,819,528	85,210		
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	254,508	0	117,792	0	0	0	254,508	0		
STREET LIGHTING SERVICE CLASSIFICATION	kW	854,489	2,390	765,439	2,137	0	0	854,489	2,390	45,689	
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0		
Total		229,312,805	303,732	112,460,481	289,184	0	0	229,312,805	303,732	192,684	9,431

Threshold Test

Total Claim (including Account 1568)

(\$53,538)

Total Claim for Threshold Test (All Group 1 Accounts)

(\$246,223)

Threshold Test (Total claim per kWh)²

(\$0.0011)

Currently, the threshold test has been met and the default is that Group 1 account balances will be disposed. If you are requesting not to dispose of the Group 1 account balances, please select NO and provide detailed reasons in the manager's summary.

YES

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.



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Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

No input required. This worksheet allocates the deferral/variance account balances (Group 1 and Account 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 Customer Numbers **	% of Total kWh adjusted for WMP	allocated based on Total less WMP				allocated based on Total less WMP		
				1550	1551	1580	1584	1586	1588	1568
RESIDENTIAL SERVICE CLASSIFICATION	32.7%	85.5%	32.7%	0	(2,143)	(24,576)	(10,065)	(21,909)	(2,951)	15,352
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	18.4%	14.5%	18.4%	0	(365)	(13,794)	(5,650)	(12,297)	(1,656)	54,525
GENERAL SERVICE 50 to 4,999 KW SERVICE CLASSIFICATION	37.2%	0.0%	37.2%	0	0	(27,939)	(11,443)	(24,907)	(3,354)	75,575
LARGE USE SERVICE CLASSIFICATION	11.3%	0.0%	11.3%	0	0	(8,460)	(3,465)	(7,541)	(1,016)	0
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.1%	0.0%	0.1%	0	0	(83)	(34)	(74)	(10)	0
STREET LIGHTING SERVICE CLASSIFICATION	0.4%	0.0%	0.4%	0	0	(280)	(115)	(250)	(34)	45,689
STANDBY POWER SERVICE CLASSIFICATION	0.0%	0.0%	0.0%	0	0	0	0	0	0	0
Total	100.0%	100.0%	100.0%	0	(2,508)	(75,132)	(30,772)	(66,979)	(9,020)	191,141

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



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Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

1a The year Account 1589 GA was last disposed

1b The year Account 1580 CBR Class B was last disposed

Note that the sub-account was established in 2015.

2a Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1589 GA balance accumulated (i.e. from the year after the balance was last disposed per #1a above to the current year requested for disposition)?

Yes

(If you received approval to dispose of the CBR Class B account balance as at December 31, 2016, the period the GA variance accumulated would be 2017 to 2019.)

2b Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1580, sub-account CBR Class B balance accumulated (i.e. from the year after the balance was last disposed per #1b above to the current year requested for disposition)?

Yes

(If you received approval to dispose of the CBR Class B account balance as at December 31, 2016, the period the GA variance accumulated would be 2017 to 2019.)

3a Enter the number of transition customer you had during the period the Account 1589 GA or Account 1580 CBR B balance accumulated (i.e. from the year after the balance was last disposed per #1a/1b above to the current year requested for disposition).

2

Transition Customers - Non-loss Adjusted Billing Determinants by Customer

Customer	Rate Class		2019	
			January to June	July to December
Customer 1	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,630,912	1,535,869
		kW	3,959	3,706
		Class A/B	A	B
Customer 2	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	1,890,449	2,015,162
		kW	4,626	4,909
		Class A/B	A	B

3b Enter the number of rate classes in which there were customers who were Class A for the full year during the period the Account 1589 GA or Account 1580 CBR B balance accumulated (i.e. from the year after the balance was last disposed per #1a/1b above to the current year requested for disposition).

2

In the table, enter the total Class A consumption for full year Class A customers in each rate class for each year (including transition customers identified in table 3a above if they were a full year Class A customer for a particular year).

Rate Classes with Class A Customers - Billing Determinants by Rate Class

Rate Class	Rate Class		2019	
Rate Class 1	LARGE USE SERVICE CLASSIFICATION	kWh		25,819,528
		kW		85,210
Rate Class 2	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh		6,501,011
		kW		13,180



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centive Rate-setting Mechanism Rate Generator for 2021 Filers

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

Year the Account 1589 GA Balance Last Disposed

2018

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

		Total	2019
Non-RPP Consumption Less WMP Consumption	A	112,460,481	112,460,481
Less Class A Consumption for Partial Year Class A Customers	B	3,521,361	3,521,361
Less Consumption for Full Year Class A Customers	C	32,320,539	32,320,539
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	76,618,582	76,618,582
All Class B Consumption for Transition Customers	E	3,551,031	3,551,031
Transition Customers' Portion of Total Consumption	F = E/D	4.63%	

Allocation of Total GA Balance \$

Total GA Balance	G	-\$ 37,751
Transition Customers Portion of GA Balance	H=F*G	-\$ 1,750
GA Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-\$ 36,001

Allocation of GA Balances to Class A/B Transition Customers

# of Class A/B Transition Customers		2				
Customer		Total Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers	Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers in 2019	% of kWh	Customer Specific GA Allocation for the Period When They Were Class B customers	Monthly Equal Payments
Customer 1		1,535,869	1,535,869	43.25%	-\$ 757	63
Customer 2		2,015,162	2,015,162	56.75%	-\$ 993	83
Total		3,551,031	3,551,031	100.00%	-\$ 1,750	

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

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

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

Default Rate Rider Recovery Period (in months)	12
Proposed Rate Rider Recovery Period (in months)	12

Rate Rider Recovery to be used below

		Total Metered Non-RPP 2019 Consumption excluding WMP	Total Metered 2019 Consumption for Class A Customers that were Class A for the entire period GA balance accumulated	Total Metered 2019 Consumption for Customers that Transitioned Between Class A and B during the period GA balance accumulated	Non-RPP Metered Consumption for Current Class B Customers (Non-RPP Consumption excluding WMP, Class A and Transition Customers' Consumption)	% of total kWh	Total GA \$ allocated to Current Class B Customers	GA Rate Rider	
	kWh	kWh	kWh	kWh	kWh				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	1,199,683	0	0	1,199,683	1.6%	(\$591)	(\$0.0005)	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	4,588,203	0	0	4,588,203	6.3%	(\$2,261)	(\$0.0005)	kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kWh	79,969,836	6,501,011	7,072,392	66,396,434	90.9%	(\$32,714)	(\$0.0005)	kWh
LARGE USE SERVICE CLASSIFICATION	kWh	25,819,528	25,819,528	0	0	0.0%	\$0	\$0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	117,792	0	0	117,792	0.2%	(\$58)	(\$0.0005)	kWh
STREET LIGHTING SERVICE CLASSIFICATION	kWh	765,439	0	0	765,439	1.0%	(\$377)	(\$0.0005)	kWh
STANDBY POWER SERVICE CLASSIFICATION	kWh	0	0	0	0	0.0%	\$0	\$0.0000	
Total		112,460,481	32,320,539	7,072,392	73,067,551	100.0%	(\$36,001)		



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Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

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

Year Account 1580 CBR Class B was Last Disposed

2018

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

		Total	2019
Total Consumption Less WMP Consumption	A	229,312,805	229,312,805
Less Class A Consumption for Partial Year Class A Customers	B	3,521,361	3,521,361
Less Consumption for Full Year Class A Customers	C	32,320,539	32,320,539
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	193,470,906	193,470,906
All Class B Consumption for Transition Customers	E	3,551,031	3,551,031
Transition Customers' Portion of Total Consumption	F = E/D	1.84%	

Allocation of Total CBR Class B Balance \$

Total CBR Class B Balance	G	-\$ 24,061
Transition Customers Portion of CBR Class B Balance	H=F*G	-\$ 442
CBR Class B Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-\$ 23,619

Allocation of CBR Class B Balances to Transition Customers

# of Class A/B Transition Customers	2					
Customer		Total Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers	Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers in 2019	% of kWh	Customer Specific CBR Class B Allocation for the Period When They Were Class B Customers	Monthly Equal Payments
Customer 1		1,535,869	1,535,869	43.25%	191	-\$ 16
Customer 2		2,015,162	2,015,162	56.75%	251	-\$ 21
Total		3,551,031	3,551,031	100.00%	442	-\$ 37

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

No input required. The purpose of this tab is to calculate the CBR rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1580, sub-account CBR Class B balance accumulated.

The year Account 1580 CBR Class B was last disposed

2018

		Total Metered 2019 Consumption Minus WMP		Total Metered 2019 Consumption for Full Year Class A Customers		Total Metered 2019 Consumption for Transition Customers		Metered Consumption for Current Class B Customers (Total Consumption LESS WMP, Class A and Transition Customers' Consumption)		% of total kWh	Total CBR Class B \$ allocated to Current Class B Customers	CBR Class B Rate Rider	Unit
		kWh	kW	kWh	kW	kWh	kW	kWh	kW				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	75,007,658	0	0	0	0	0	75,007,658	0	39.5%	(\$9,328)	(\$0.0001)	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	42,102,477	0	0	0	0	0	42,102,477	0	22.2%	(\$5,236)	(\$0.0001)	kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	85,274,145	216,132	6,501,011	13,180	7,072,392	17,200	71,700,743	185,752	37.8%	(\$8,917)	(\$0.0480)	kW
LARGE USE SERVICE CLASSIFICATION	kW	25,819,528	85,210	25,819,528	85,210	0	0	0	0	0.0%	\$0	\$0.0000	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	254,508	0	0	0	0	0	254,508	0	0.1%	(\$32)	(\$0.0001)	kWh
STREET LIGHTING SERVICE CLASSIFICATION	kW	854,489	2,390	0	0	0	0	854,489	2,390	0.4%	(\$106)	(\$0.0444)	kW
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0	0	0	0	0.0%	\$0	\$0.0000	kW
Total		229,312,805	303,732	32,320,539	98,390	7,072,392	17,200	189,919,875	188,142	100.0%	(\$23,619)		



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Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

Input required at cells C13 and C14. 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	
DVA Proposed Rate Rider Recovery Period (in months)	12	Rate Rider Recovery to be used below
LRAM Proposed Rate Rider Recovery Period (in months)	24	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 Reconciliation ¹
RESIDENTIAL SERVICE CLASSIFICATION	kWh	75,007,658	0	75,007,658	0	(61,644)		(0.0008)		0.0001	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	42,102,477	0	42,102,477	0	(33,763)		(0.0008)		0.0006	
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	85,274,145	216,132	85,274,145	216,132	(67,644)		(0.3130)		0.1748	
LARGE USE SERVICE CLASSIFICATION	kW	25,819,528	85,210	25,819,528	85,210	(20,481)		(0.2404)		0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	254,508	0	254,508	0	(202)		(0.0008)		0.0000	
STREET LIGHTING SERVICE CLASSIFICATION	kW	854,489	2,390	854,489	2,390	(678)		(0.2836)		9.5584	
STANDBY POWER SERVICE CLASSIFICATION	kW	0	0	0	0	0		0.0000		0.0000	
											(182,703.32)

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

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

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

Summary - Sharing of Tax Change Forecast Amounts

	2019	2021
OEB-Approved Rate Base	\$ 30,456,976	\$ 30,456,976
OEB-Approved Regulatory Taxable Income	\$ 265,180	\$ 265,180
Federal General Rate		15.0%
Federal Small Business Rate		9.0%
Federal Small Business Rate (calculated effective rate) ^{1,2}		15.0%
Ontario General Rate		11.5%
Ontario Small Business Rate		3.2%
Ontario Small Business Rate (calculated effective rate) ^{1,2}		11.5%
Federal Small Business Limit		\$ 500,000
Ontario Small Business Limit		\$ 500,000
Federal Taxes Payable		\$ 39,777
Provincial Taxes Payable		\$ 30,496
Federal Effective Tax Rate		15.0%
Provincial Effective Tax Rate		11.5%
Combined Effective Tax Rate	26.5%	26.5%
Total Income Taxes Payable	\$ 70,273	\$ 70,273
OEB-Approved Total Tax Credits (enter as positive number)	\$ -	\$ -
Income Tax Provision	\$ 70,273	\$ 70,273
Grossed-up Income Taxes	\$ 95,609	\$ 95,609
Incremental Grossed-up Tax Amount		\$ -
Sharing of Tax Amount (50%)		\$ -

Notes

1. Regarding the small business deduction, if applicable,
 - a. If taxable capital exceeds \$15 million, the small business rate will not be applicable.
 - b. If taxable capital is below \$10 million, the small business rate would be applicable.
 - c. If taxable capital is between \$10 million and \$15 million, the appropriate small business rate will be calculated.
2. The OEB's proxy for taxable capital is rate base.

Incentive Rate-setting Mechanism Rate Generator for 2021 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	Re-based Billed kWh	Re-based Billed kW	Re-based Service Charge	Re-based Distribution Volumetric Rate kWh	Re-based Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Revenue Requirement from Rates	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Total % Revenue
RESIDENTIAL SERVICE CLASSIFICATION	kWh							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%
LARGE USE 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%
STREET LIGHTING SERVICE CLASSIFICATION	kW							0	0	0	0	0.0%	0.0%	0.0%	0.0%
STANDBY POWER 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	75,007,658		0	0.00 \$/customer
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	42,102,477		0	0.0000 kWh
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	kW	85,274,145	216,132	0	0.0000 kW
LARGE USE SERVICE CLASSIFICATION	kW	25,819,528	85,210	0	0.0000 kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	254,508		0	0.0000 kWh
STREET LIGHTING SERVICE CLASSIFICATION	kW	854,489	2,390	0	0.0000 kW
STANDBY POWER SERVICE CLASSIFICATION	kW			0	0.0000 kW
Total		229,312,805	303,732	\$0	

Incentive Rate-setting Mechanism Rate Generator for 2021 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	0.0078	75,007,658	0	1.0373	77,805,444	
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016	75,007,658	0	1.0373	77,805,444	
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071	42,102,477	0	1.0373	43,672,899	
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016	42,102,477	0	1.0373	43,672,899	
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.9048	38,543,790	106,334			
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.5347	38,543,790	106,334			
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.1394	46,730,355	106,367			For this line item, please ensure that the consumption and demand values have been adjusted to account for non-interval/interval customers.
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.2861	46,730,355	109,797			For this line item, please ensure that the consumption and demand values have been adjusted to account for non-interval/interval customers.
Large Use Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.1394	25,819,528	80,782			For this line item, please ensure that the consumption and demand values have been adjusted to account for non-interval/interval customers.
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.2861	25,819,528	85,210			For this line item, please ensure that the consumption and demand values have been adjusted to account for non-interval/interval customers.
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071	254,508	0	1.0373	264,001	
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016	254,508	0	1.0373	264,001	
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.1903	854,489	2,390			
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.4134	854,489	2,390			



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Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

Uniform Transmission Rates		Unit		2019 Jan to Jun	2019 Jul to Dec	2020	2021
Rate Description		Rate		Rate		Rate	
Network Service Rate	kW	\$	3.71	\$	3.83	\$	3.92
Line Connection Service Rate	kW	\$	0.94	\$	0.96	\$	0.97
Transformation Connection Service Rate	kW	\$	2.25	\$	2.30	\$	2.33

Hydro One Sub-Transmission Rates		Unit		2019 Jan to Jun	2019 Jul to Dec	2020	2021
Rate Description		Rate		Rate		Rate	
Network Service Rate	kW	\$	3.1942	\$	3.2915	\$	3.3980
Line Connection Service Rate	kW	\$	0.7710	\$	0.7877	\$	0.8045
Transformation Connection Service Rate	kW	\$	1.7493	\$	1.9755	\$	2.0194
Both Line and Transformation Connection Service Rate	kW	\$	2.5203	\$	2.7632	\$	2.8239

If needed, add extra host here. (I)		Unit		2019 Jan to Jun	2019 Jul to Dec	2020	2021
Rate Description		Rate		Rate		Rate	
Network Service Rate	kW						
Line Connection Service Rate	kW						
Transformation Connection Service Rate	kW						
Both Line and Transformation Connection Service Rate	kW	\$	-	\$	-	\$	-

If needed, add extra host here. (II)		Unit		2019 Jan to Jun	2019 Jul to Dec	2020	2021
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 2019		Current 2020	Forecast 2021
	\$						

Incentive Rate-setting Mechanism Rate Generator

for 2021 Filers

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Tab 10. For Hydro One Sub-transmission Rates, if you are charged a combined Line and Transformer connection rate, please ensure that both the Line Connection and Transformation Connection columns are completed. If any of the Hydro One Sub-transmission rates (column E, I and M) are highlighted in red, please double check the billing data entered in "Units Billed" and "Amount" columns. The highlighted rates do not match the Hydro One Sub-transmission rates approved for that time period. If data has been entered correctly, please provide explanation for the discrepancy in rates.

IESO				Line Connection				Transformation Connection				Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount		Units Billed	Rate	Amount		Amount
January	35,965	\$3.71	\$ 133,430	38,613	\$0.94	\$ 36,296			\$0.00			\$ 36,296
February	35,350	\$3.71	\$ 131,149	36,300	\$0.94	\$ 34,122			\$0.00			\$ 34,122
March	31,059	\$3.71	\$ 115,229	35,394	\$0.94	\$ 33,270			\$0.00			\$ 33,270
April	26,983	\$3.71	\$ 100,107	48,555	\$0.94	\$ 45,642			\$0.00			\$ 45,642
May	24,975	\$3.71	\$ 92,657	30,407	\$0.94	\$ 28,583			\$0.00			\$ 28,583
June	38,900	\$3.80	\$ 147,820	41,033	\$0.95	\$ 38,981			\$0.00			\$ 38,981
July	43,702	\$3.83	\$ 167,378	48,990	\$0.96	\$ 47,030			\$0.00			\$ 47,030
August	43,262	\$3.83	\$ 165,693	44,342	\$0.96	\$ 42,568			\$0.00			\$ 42,568
September	41,551	\$3.83	\$ 159,140	42,065	\$0.96	\$ 40,382			\$0.00			\$ 40,382
October	34,998	\$3.83	\$ 134,042	35,188	\$0.96	\$ 33,780			\$0.00			\$ 33,780
November	28,622	\$3.83	\$ 109,622	32,109	\$0.96	\$ 30,825			\$0.00			\$ 30,825
December	33,180	\$3.83	\$ 127,079	36,945	\$0.96	\$ 35,467			\$0.00			\$ 35,467
Total	418,547	\$ 3.78	\$ 1,583,348	469,940	\$ 0.95	\$ 446,947		-	\$ -	\$ -		\$ 446,947

Hydro One				Line Connection				Transformation Connection				Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount		Units Billed	Rate	Amount		Amount
January		\$0.0000			\$0.0000				\$0.0000			\$ -
February		\$0.0000			\$0.0000				\$0.0000			\$ -
March		\$0.0000			\$0.0000				\$0.0000			\$ -
April		\$0.0000			\$0.0000				\$0.0000			\$ -
May		\$0.0000			\$0.0000				\$0.0000			\$ -
June		\$0.0000			\$0.0000				\$0.0000			\$ -
July		\$0.0000			\$0.0000				\$0.0000			\$ -
August		\$0.0000			\$0.0000				\$0.0000			\$ -
September		\$0.0000			\$0.0000				\$0.0000			\$ -
October		\$0.0000			\$0.0000				\$0.0000			\$ -
November		\$0.0000			\$0.0000				\$0.0000			\$ -
December		\$0.0000			\$0.0000				\$0.0000			\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -		-	\$ -	\$ -		\$ -

Add Extra Host Here (I)				Line Connection				Transformation Connection				Total Connection
(if needed)	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		-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -		\$ -

Add Extra Host Here (II)				Line Connection				Transformation Connection				Total Connection
(if needed)	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				Line Connection				Transformation Connection				Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount		Units Billed	Rate	Amount		Amount
January	35,965	\$ 3.7100	\$ 133,430	38,613	\$ 0.9400	\$ 36,296		-	\$ -	\$ -		\$ 36,296
February	35,350	\$ 3.7100	\$ 131,149	36,300	\$ 0.9400	\$ 34,122		-	\$ -	\$ -		\$ 34,122
March	31,059	\$ 3.7100	\$ 115,229	35,394	\$ 0.9400	\$ 33,270		-	\$ -	\$ -		\$ 33,270
April	26,983	\$ 3.7100	\$ 100,107	48,555	\$ 0.9400	\$ 45,642		-	\$ -	\$ -		\$ 45,642
May	24,975	\$ 3.7100	\$ 92,657	30,407	\$ 0.9400	\$ 28,583		-	\$ -	\$ -		\$ 28,583
June	38,900	\$ 3.8000	\$ 147,820	41,033	\$ 0.9500	\$ 38,981		-	\$ -	\$ -		\$ 38,981
July	43,702	\$ 3.8300	\$ 167,378	48,990	\$ 0.9600	\$ 47,030		-	\$ -	\$ -		\$ 47,030
August	43,262	\$ 3.8300	\$ 165,693	44,342	\$ 0.9600	\$ 42,568		-	\$ -	\$ -		\$ 42,568
September	41,551	\$ 3.8300	\$ 159,140	42,065	\$ 0.9600	\$ 40,382		-	\$ -	\$ -		\$ 40,382
October	34,998	\$ 3.8300	\$ 134,042	35,188	\$ 0.9600	\$ 33,780		-	\$ -	\$ -		\$ 33,780
November	28,622	\$ 3.8300	\$ 109,622	32,109	\$ 0.9600	\$ 30,825		-	\$ -	\$ -		\$ 30,825
December	33,180	\$ 3.8300	\$ 127,079	36,945	\$ 0.9600	\$ 35,467		-	\$ -	\$ -		\$ 35,467
Total	418,547	\$ 3.78	\$ 1,583,348	469,940	\$ 0.95	\$ 446,947		-	\$ -	\$ -		\$ 446,947

Low Voltage Switchgear Credit (if applicable)												\$ -
Total including deduction for Low Voltage Switchgear Credit												\$ 446,947

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

The purpose of this sheet is to calculate the expected billing when current 2020 Uniform Transmission Rates are applied against historical 2019 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	35,965	\$ 3,9200	\$ 140,983	38,613	\$ 0.9700	\$ 37,455	-	\$ 2.3300	\$ -	\$ 37,455
February	35,350	\$ 3,9200	\$ 138,572	36,300	\$ 0.9700	\$ 35,211	-	\$ 2.3300	\$ -	\$ 35,211
March	31,059	\$ 3,9200	\$ 121,751	35,394	\$ 0.9700	\$ 34,332	-	\$ 2.3300	\$ -	\$ 34,332
April	26,983	\$ 3,9200	\$ 105,773	48,555	\$ 0.9700	\$ 47,098	-	\$ 2.3300	\$ -	\$ 47,098
May	24,975	\$ 3,9200	\$ 97,902	30,407	\$ 0.9700	\$ 29,495	-	\$ 2.3300	\$ -	\$ 29,495
June	38,900	\$ 3,9200	\$ 152,488	41,033	\$ 0.9700	\$ 39,802	-	\$ 2.3300	\$ -	\$ 39,802
July	43,702	\$ 3,9200	\$ 171,311	48,990	\$ 0.9700	\$ 47,520	-	\$ 2.3300	\$ -	\$ 47,520
August	43,262	\$ 3,9200	\$ 169,587	44,342	\$ 0.9700	\$ 43,012	-	\$ 2.3300	\$ -	\$ 43,012
September	41,551	\$ 3,9200	\$ 162,880	42,065	\$ 0.9700	\$ 40,803	-	\$ 2.3300	\$ -	\$ 40,803
October	34,998	\$ 3,9200	\$ 137,192	35,188	\$ 0.9700	\$ 34,132	-	\$ 2.3300	\$ -	\$ 34,132
November	28,622	\$ 3,9200	\$ 112,198	32,109	\$ 0.9700	\$ 31,146	-	\$ 2.3300	\$ -	\$ 31,146
December	33,180	\$ 3,9200	\$ 130,066	36,945	\$ 0.9700	\$ 35,837	-	\$ 2.3300	\$ -	\$ 35,837
Total	418,547	\$ 3.92	\$ 1,640,704	469,940	\$ 0.97	\$ 455,842	-	\$ -	\$ -	\$ 455,842

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
February	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
March	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
April	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
May	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
June	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
July	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
August	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
September	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
October	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
November	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
December	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Add Extra Host Here (I)	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Add Extra Host Here (II)	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	35,965	\$ 3,9200	\$ 140,983	38,613	\$ 0.9700	\$ 37,455	-	\$ -	\$ -	\$ 37,455
February	35,350	\$ 3,9200	\$ 138,572	36,300	\$ 0.9700	\$ 35,211	-	\$ -	\$ -	\$ 35,211
March	31,059	\$ 3,9200	\$ 121,751	35,394	\$ 0.9700	\$ 34,332	-	\$ -	\$ -	\$ 34,332
April	26,983	\$ 3,9200	\$ 105,773	48,555	\$ 0.9700	\$ 47,098	-	\$ -	\$ -	\$ 47,098
May	24,975	\$ 3,9200	\$ 97,902	30,407	\$ 0.9700	\$ 29,495	-	\$ -	\$ -	\$ 29,495
June	38,900	\$ 3,9200	\$ 152,488	41,033	\$ 0.9700	\$ 39,802	-	\$ -	\$ -	\$ 39,802
July	43,702	\$ 3,9200	\$ 171,311	48,990	\$ 0.9700	\$ 47,520	-	\$ -	\$ -	\$ 47,520
August	43,262	\$ 3,9200	\$ 169,587	44,342	\$ 0.9700	\$ 43,012	-	\$ -	\$ -	\$ 43,012
September	41,551	\$ 3,9200	\$ 162,880	42,065	\$ 0.9700	\$ 40,803	-	\$ -	\$ -	\$ 40,803
October	34,998	\$ 3,9200	\$ 137,192	35,188	\$ 0.9700	\$ 34,132	-	\$ -	\$ -	\$ 34,132
November	28,622	\$ 3,9200	\$ 112,198	32,109	\$ 0.9700	\$ 31,146	-	\$ -	\$ -	\$ 31,146
December	33,180	\$ 3,9200	\$ 130,066	36,945	\$ 0.9700	\$ 35,837	-	\$ -	\$ -	\$ 35,837
Total	418,547	\$ 3.92	\$ 1,640,704	469,940	\$ 0.97	\$ 455,842	-	\$ -	\$ -	\$ 455,842
Low Voltage Switchgear Credit (if applicable)										\$ -
Total including deduction for Low Voltage Switchgear Credit										<u>\$ 455,842</u>



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2021 Uniform Transmission Rates are applied against historical 2019 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	35,965	\$ 3.9200	\$ 140,983	38,613	\$ 0.9700	\$ 37,455	-	\$ 2.3300	\$ -	\$ 37,455
February	35,350	\$ 3.9200	\$ 138,572	36,300	\$ 0.9700	\$ 35,211	-	\$ 2.3300	\$ -	\$ 35,211
March	31,059	\$ 3.9200	\$ 121,751	35,394	\$ 0.9700	\$ 34,332	-	\$ 2.3300	\$ -	\$ 34,332
April	26,983	\$ 3.9200	\$ 105,773	48,555	\$ 0.9700	\$ 47,098	-	\$ 2.3300	\$ -	\$ 47,098
May	24,975	\$ 3.9200	\$ 97,902	30,407	\$ 0.9700	\$ 29,495	-	\$ 2.3300	\$ -	\$ 29,495
June	38,900	\$ 3.9200	\$ 152,488	41,033	\$ 0.9700	\$ 39,802	-	\$ 2.3300	\$ -	\$ 39,802
July	43,702	\$ 3.9200	\$ 171,311	48,990	\$ 0.9700	\$ 47,520	-	\$ 2.3300	\$ -	\$ 47,520
August	43,262	\$ 3.9200	\$ 169,587	44,342	\$ 0.9700	\$ 43,012	-	\$ 2.3300	\$ -	\$ 43,012
September	41,551	\$ 3.9200	\$ 162,880	42,065	\$ 0.9700	\$ 40,803	-	\$ 2.3300	\$ -	\$ 40,803
October	34,998	\$ 3.9200	\$ 137,192	35,188	\$ 0.9700	\$ 34,132	-	\$ 2.3300	\$ -	\$ 34,132
November	28,622	\$ 3.9200	\$ 112,198	32,109	\$ 0.9700	\$ 31,146	-	\$ 2.3300	\$ -	\$ 31,146
December	33,180	\$ 3.9200	\$ 130,066	36,945	\$ 0.9700	\$ 35,837	-	\$ 2.3300	\$ -	\$ 35,837
Total	418,547	\$ 3.92	\$ 1,640,704	469,940	\$ 0.97	\$ 455,842	-	\$ -	\$ -	\$ 455,842

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
February	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
March	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
April	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
May	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
June	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
July	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
August	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
September	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
October	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
November	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
December	-	\$ 3.3980	\$ -	-	\$ 0.8045	\$ -	-	\$ 2.0194	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Add Extra Host Here (I)	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Add Extra Host Here (II)	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	35,965	\$ 3.92	\$ 140,983	38,613	\$ 0.97	\$ 37,455	-	\$ -	\$ -	\$ 37,455
February	35,350	\$ 3.92	\$ 138,572	36,300	\$ 0.97	\$ 35,211	-	\$ -	\$ -	\$ 35,211
March	31,059	\$ 3.92	\$ 121,751	35,394	\$ 0.97	\$ 34,332	-	\$ -	\$ -	\$ 34,332
April	26,983	\$ 3.92	\$ 105,773	48,555	\$ 0.97	\$ 47,098	-	\$ -	\$ -	\$ 47,098
May	24,975	\$ 3.92	\$ 97,902	30,407	\$ 0.97	\$ 29,495	-	\$ -	\$ -	\$ 29,495
June	38,900	\$ 3.92	\$ 152,488	41,033	\$ 0.97	\$ 39,802	-	\$ -	\$ -	\$ 39,802
July	43,702	\$ 3.92	\$ 171,311	48,990	\$ 0.97	\$ 47,520	-	\$ -	\$ -	\$ 47,520
August	43,262	\$ 3.92	\$ 169,587	44,342	\$ 0.97	\$ 43,012	-	\$ -	\$ -	\$ 43,012
September	41,551	\$ 3.92	\$ 162,880	42,065	\$ 0.97	\$ 40,803	-	\$ -	\$ -	\$ 40,803
October	34,998	\$ 3.92	\$ 137,192	35,188	\$ 0.97	\$ 34,132	-	\$ -	\$ -	\$ 34,132
November	28,622	\$ 3.92	\$ 112,198	32,109	\$ 0.97	\$ 31,146	-	\$ -	\$ -	\$ 31,146
December	33,180	\$ 3.92	\$ 130,066	36,945	\$ 0.97	\$ 35,837	-	\$ -	\$ -	\$ 35,837
Total	418,547	\$ 3.92	\$ 1,640,704	469,940	\$ 0.97	\$ 455,842	-	\$ -	\$ -	\$ 455,842

Low Voltage Switchgear Credit (if applicable)										\$ -
Total including deduction for Low Voltage Switchgear Credit										\$ 455,842

Incentive Rate-setting Mechanism Rate Generator for 2021 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	0.0078	77,805,444	0	606,882	33.3%	546,950	0.0070
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071	43,672,899	0	310,078	17.0%	279,456	0.0064
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.9048		106,334	308,879	17.0%	278,376	2.6179
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.1394		106,367	333,929	18.3%	300,952	2.8294
Large Use Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.1394		80,782	253,608	13.9%	228,563	2.8294
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071	264,001	0	1,874	0.1%	1,689	0.0064
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.1903		2,390	5,235	0.3%	4,718	1.9740

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	0.0016	77,805,444	0	124,489	24.7%	112,721	0.0014
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016	43,672,899	0	69,877	13.9%	63,271	0.0014
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.5347		106,334	56,857	11.3%	51,482	0.4842
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.2861		109,797	141,210	28.0%	127,861	1.1645
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered (see N)	\$/kW	1.2861		85,210	109,589	21.8%	99,229	1.1645
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016	264,001	0	422	0.1%	382	0.0014
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.4134		2,390	988	0.2%	895	0.3743

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 %	Forecast Wholesale Billing	Proposed RTSR- Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0070	77,805,444	0	546,950	33.3%	546,950	0.0070
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064	43,672,899	0	279,456	17.0%	279,456	0.0064
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.6179		106,334	278,376	17.0%	278,376	2.6179
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.8294		106,367	300,952	18.3%	300,952	2.8294
Large Use Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.8294		80,782	228,563	13.9%	228,563	2.8294
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064	264,001	0	1,689	0.1%	1,689	0.0064
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	1.9740		2,390	4,718	0.3%	4,718	1.9740

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 %	Forecast Wholesale Billing	Proposed RTSR- Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0014	77,805,444	0	112,721	24.7%	112,721	0.0014
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0014	43,672,899	0	63,271	13.9%	63,271	0.0014
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.4842		106,334	51,482	11.3%	51,482	0.4842
General Service 50 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.1645		109,797	127,861	28.0%	127,861	1.1645
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered (see N)	\$/kW	1.1645		85,210	99,229	21.8%	99,229	1.1645
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0014	264,001	0	382	0.1%	382	0.0014
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.3743		2,390	895	0.2%	895	0.3743

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

If applicable, please enter any adjustments related to the revenue to cost ratio model into columns C and E. The Price Escalator has been set at the 2020 value and will be updated by OEB staff at a later date.

Price Escalator	2.00%	Productivity Factor	0.00%
Choose Stretch Factor Group	III	Price Cap Index	1.70%
Associated Stretch Factor Value	0.30%		

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	29.41				1.70%	29.91	0.0000
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	40.08		0.0119		1.70%	40.76	0.0121
GENERAL SERVICE 50 to 4,999 KW SERVICE CLASSIFICATION	286.44		2.3975		1.70%	291.31	2.4383
LARGE USE SERVICE CLASSIFICATION	3754.95		2.3975		1.70%	3,818.78	2.4383
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	21.56		0.0055		1.70%	21.93	0.0056
STREET LIGHTING SERVICE CLASSIFICATION	7.32		1.7615		1.70%	7.44	1.7914
STANDBY POWER SERVICE CLASSIFICATION	0				1.70%	0.00	0.0000
microFIT SERVICE CLASSIFICATION	10					10	

If applicable, Wheeling Service Rate will be adjusted for PCI on Sheet 19.

Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

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

Regulatory Charges

Effective Date of Regulatory Charges		January 1, 2020	January 1, 2021
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$/kWh	0.25	0.25

Time-of-Use RPP Prices

As of		June 1, 2020
Off-Peak	\$/kWh	0.1280
Mid-Peak	\$/kWh	0.1280
On-Peak	\$/kWh	0.1280

Smart Meter Entity Charge (SME)

Smart Meter Entity Charge (SME)	\$	0.57
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Distribution Rate Protection (DRP) Amount (Applicable to LDCs under the Distribution Rate Protection program):	\$	36.86
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Miscellaneous Service Charges

Wireline Pole Attachment Charge	Unit	Current charge	Inflation factor *	Proposed charge ** / ***
Specific charge for access to the power poles - per pole/year	\$	44.50	2.00%	45.39

Retail Service Charges		Current charge	Inflation factor*	Proposed charge ***
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	102.00	2.00%	104.04
Monthly fixed charge, per retailer	\$	40.80	2.00%	41.62
Monthly variable charge, per customer, per retailer	\$/cust.	1.02	2.00%	1.04
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.61	2.00%	0.62
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.61)	2.00%	(0.62)
Service Transaction Requests (STR)				-
Request fee, per request, applied to the requesting party	\$	0.51	2.00%	0.52
Processing fee, per request, applied to the requesting party	\$	1.02	2.00%	1.04
Electronic Business Transaction (EBT) system, applied to the requesting party				
up to twice a year		no charge		no charge
more than twice a year, per request (plus incremental delivery costs)	\$	4.08	2.00%	4.16
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.04	2.00%	2.08

* inflation factor subject to change pending OEB approved inflation rate effective in 2020

** applicable only to LDCs in which the province-wide pole attachment charge applies

*** subject to change pending OEB order on miscellaneous service charges

RESIDENTIAL SERVICE CLASSIFICATION	UNIT	RATE	DATE (e.g. April 30, 2022)	SUB-TOTAL
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
Rate Rider for Disposition of Large Use Deferral/Variance Accounts	\$	-0.16	- effective until 4/30/2022	A
			- effective until	

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	UNIT	RATE	DATE (e.g. April 30, 2022)	SUB-TOTAL
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
Rate Rider for Disposition of Large Use Deferral/Variance Accounts	\$/kWh	-0.0002	- effective until 4/30/2022	B
			- effective until	

GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	UNIT	RATE	DATE (e.g. April 30, 2022)	SUB-TOTAL
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
Rate Rider for Disposition of Large Use Deferral/Variance Accounts	S/kW	-0.0253	- effective until 4/30/2022	B
			- effective until	

LARGE USE SERVICE CLASSIFICATION	UNIT	RATE	DATE (e.g. April 30, 2022)	SUB-TOTAL
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
Rate Rider for Disposition of Large Use Deferral/Variance Accounts	S/kW	-0.0108	- effective until 4/30/2022	B
			- effective until	

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	UNIT	RATE	DATE (e.g. April 30, 2022)	SUB-TOTAL
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
Rate Rider for Disposition of Large Use Deferral/Variance Accounts	\$/kWh	-0.0002	- effective until 4/30/2022	B
			- effective until	

STREET LIGHTING SERVICE CLASSIFICATION	UNIT	RATE	DATE (e.g. April 30, 2022)	SUB-TOTAL
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
			- effective until	
Rate Rider for Disposition of Large Use Deferral/Variance Accounts	S/kW	-0.6802	- effective until 4/30/2022	B
			- effective until	

[illegible][illegible]

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

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

EB-2020-0042

RESIDENTIAL SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	29.91
Rate Rider for Disposition of Large Use Deferral/Variance Accounts - effective until April 30, 2022	\$	(0.16)
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until April 30, 2022		
Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until April 30, 2023	\$/kWh	0.0001
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until April 30, 2022	\$/kWh	(0.0008)
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until April 30, 2022		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0070
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0014

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

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

EB-2020-0042

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	40.76
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0121
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until April 30, 2022		
Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until April 30, 2023	\$/kWh	0.0006
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until April 30, 2022	\$/kWh	(0.0008)
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until April 30, 2022		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Large Use Deferral/Variance Accounts - effective until April 30, 2022	\$/kWh	(0.0002)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0014

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

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

EB-2020-0042

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than 50 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	291.31
Distribution Volumetric Rate	\$/kW	2.4383
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until April 30, 2022		
Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until April 30, 2023	\$/kW	0.1748

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

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

EB-2020-0042

Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until April 30, 2022	\$/kW	(0.3130)
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until April 30, 2022		
Applicable only for Class B Customers	\$/kW	(0.0480)
Rate Rider for Disposition of Large Use Deferral/Variance Accounts - effective until April 30, 2022	\$/kW	(0.0253)
Retail Transmission Rate - Network Service Rate	\$/kW	2.6179
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.4842
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.8294
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.1645

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

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

EB-2020-0042

LARGE USE SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	3,818.78
Distribution Volumetric Rate	\$/kW	2.4383
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until April 30, 2022	\$/kW	(0.2404)
Rate Rider for Disposition of Large Use Deferral/Variance Accounts - effective until April 30, 2022	\$/kW	(0.0108)
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.8294
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered (see Note 1)	\$/kW	1.1645

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

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

EB-2020-0042

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

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

EB-2020-0042

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per customer)	\$	21.93
Distribution Volumetric Rate	\$/kWh	0.0056
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until April 30, 2022		
Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until April 30, 2022	\$/kWh	(0.0008)
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until April 30, 2022		
Applicable only for Class B Customers	\$/kWh	(0.0001)
Rate Rider for Disposition of Large Use Deferral/Variance Accounts - effective until April 30, 2022	\$/kWh	(0.0002)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0064
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0014

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

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

EB-2020-0042

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established by an approved Ontario Energy Board process. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	7.44
Distribution Volumetric Rate	\$/kW	1.7914
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until April 30, 2022		
Applicable only for Non-RPP Customers	\$/kWh	(0.0005)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until April 30, 2023	\$/kW	9.5584
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until April 30, 2022	\$/kW	(0.2836)
Rate Rider for Disposition of Capacity Based Recovery Account (2021) - effective until April 30, 2022		
Applicable only for Class B Customers	\$/kW	(0.0444)
Rate Rider for Disposition of Large Use Deferral/Variance Accounts - effective until April 30, 2022	\$/kW	(0.6802)
Retail Transmission Rate - Network Service Rate	\$/kW	1.9740
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.3743

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

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

EB-2020-0042

STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation or Load Displacement Storage that requires Niagara-on-the-Lake Hydro to provide back-up service. Standby Charges are to be applied to behind-the-meter generators that have a nameplate capacity greater than or equal to 500kW and are not IESO market participants or IESO program participants (FIT, MicroFIT, SOP etc.) which have their own metering and settlement conventions as per regulation and legislation. For the purpose of this rate classification the term "generator" shall include electricity storage devices used for the primary purpose of Load Displacement. 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 changes, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment, and the HST.

MONTHLY RATES AND CHARGES

Standby Charges are based on applicable monthly General Service > 50kW to 4,999 kW or Large Use Distribution Volumetric Charges, depending on the rate classification of the generator host facility.

Distribution Charges on the generator host facility's load account will be determined by multiplying the peak hourly delivered load as measured by the load account meter in kW by applicable variable charges for the rate class. Standby Charges will be determined by multiplying the peak coincident combined kW delivered by both the distribution system and the generator, less the peak hourly delivered load in kW of the host customer facility as measured by the generator host load account meter.

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

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

EB-2020-0042

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	10.00
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ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.56)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	(1.00)

SPECIFIC SERVICE CHARGES

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

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

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

Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Pulling post dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement letter	\$	15.00

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

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

EB-2020-0042

Account history	\$	15.00
Credit check (plus credit agency costs)	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	190.00

Non-Payment of Account

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily)	%	1.50
Reconnection at meter - during regular hours	\$	95.00
Reconnection at meter - after regular hours	\$	320.00
Reconnection at pole - during regular hours	\$	185.00
Reconnection at pole - after regular hours	\$	610.00

Other

Service call - customer-owned equipment - during regular hours	\$	30.00
Service call - customer-owned equipment - after regular hours	\$	320.00
Temporary service - install & remove - overhead - no transformer	\$	Variable
Temporary service - install & remove - underground - no transformer	\$	Variable
Temporary service - install & remove - overhead - with transformer	\$	Variable
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	45.39

RETAIL SERVICE CHARGES (if applicable)

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

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

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

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

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	104.04
Monthly fixed charge, per retailer	\$	41.62
Monthly variable charge, per customer, per retailer	\$/cust.	1.04
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.62
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.62)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.52
Processing fee, per request, applied to the requesting party	\$	1.04
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the		

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

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

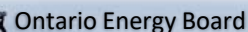
EB-2020-0042

Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	4.16
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.08

LOSS FACTORS

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

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0373
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0275
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045



Incentive Rate-setting Mechanism Rate Generator for 2021 Filers

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

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

Note:

1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of May 2020 of \$0.1368/kWh (IESO's Monthly Market Report for May 2020) has been used to represent the cost of power. For those classes on a retailer contract, applicants should enter the contract price (plus GA) for a more accurate estimate. Changes to the cost of power can be made directly on the bill impact table for the specific class.
2. Please enter the applicable billing determinant (e.g. number of connections or devices) to be applied to the monthly service charge for unmetered rate classes in column N. If the monthly service charge is applied on a per customer basis, enter the number "1". Distributors should provide the number of connections or devices reflective of a typical customer in each class.

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

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

Table 1

[illegible]

Table 2

[illegible]

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0373	
Proposed/Approved Loss Factor	1.0373	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 29.41	1	\$ 29.41	\$ 29.91	1	\$ 29.91	\$ 0.50	1.70%
Distribution Volumetric Rate	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Fixed Rate Riders	\$ 0.60	1	\$ 0.60	\$ (0.16)	1	\$ (0.16)	\$ (0.76)	-126.67%
Volumetric Rate Riders	\$ -	750	\$ -	\$ 0.0001	750	\$ 0.08	\$ 0.08	-
Sub-Total A (excluding pass through)			\$ 30.01			\$ 29.83	\$ (0.19)	-0.62%
Line Losses on Cost of Power	\$ 0.1280	28	\$ 3.58	\$ 0.1280	28	\$ 3.58	\$ -	0.00%
Total Deferral/Variance Account Rate	\$ 0.0003	750	\$ 0.23	\$ 0.0008	750	\$ (0.60)	\$ (0.83)	-366.67%
Riders	\$ -	750	\$ -	\$ 0.0001	750	\$ (0.08)	\$ (0.08)	-
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
GA Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Low Voltage Service Charge	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Additional Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 34.39			\$ 33.30	\$ (1.09)	-3.16%
RTSR - Network	\$ 0.0078	778	\$ 6.07	\$ 0.0070	778	\$ 5.45	\$ (0.62)	-10.26%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0016	778	\$ 1.24	\$ 0.0014	778	\$ 1.09	\$ (0.16)	-12.50%
Sub-Total C - Delivery (including Sub-Total B)			\$ 41.70			\$ 39.84	\$ (1.86)	-4.47%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	778	\$ 2.65	\$ 0.0034	778	\$ 2.65	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	778	\$ 0.39	\$ 0.0005	778	\$ 0.39	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1280	480	\$ 61.44	\$ 0.1280	480	\$ 61.44	\$ -	0.00%
TOU - Mid Peak	\$ 0.1280	135	\$ 17.28	\$ 0.1280	135	\$ 17.28	\$ -	0.00%
TOU - On Peak	\$ 0.1280	135	\$ 17.28	\$ 0.1280	135	\$ 17.28	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 140.98			\$ 139.12	\$ (1.86)	-1.32%
HST	13%		\$ 18.33	13%		\$ 18.09	\$ (0.24)	-1.32%
Ontario Electricity Rebate	31.8%		\$ (44.83)	31.8%		\$ (44.24)	\$ 0.59	-
Total Bill on TOU			\$ 114.48			\$ 112.97	\$ (1.51)	-1.32%

In the manager's summary, discuss the reas

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Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0373	
Proposed/Approved Loss Factor	1.0373	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 40.08	1	\$ 40.08	\$ 40.76	1	\$ 40.76	\$ 0.68	1.70%
Distribution Volumetric Rate	\$ 0.0119	2000	\$ 23.80	\$ 0.0121	2000	\$ 24.20	\$ 0.40	1.68%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.0010	2000	\$ 2.00	\$ 0.0006	2000	\$ 1.20	\$ (0.80)	-40.00%
Sub-Total A (excluding pass through)			\$ 65.88			\$ 66.16	\$ 0.28	0.43%
Line Losses on Cost of Power	\$ 0.1280	75	\$ 9.55	\$ 0.1280	75	\$ 9.55	\$ -	0.00%
Total Deferral/Variance Account Rate	\$ 0.0004	2,000	\$ 0.80	\$ 0.0010	2,000	\$ (2.00)	\$ (2.80)	-350.00%
Riders								
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ 0.0001	2,000	\$ (0.20)	\$ (0.20)	
GA Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Low Voltage Service Charge	\$ -	2,000	\$ -		2,000	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 76.80			\$ 74.08	\$ (2.72)	-3.54%
RTSR - Network	\$ 0.0071	2,075	\$ 14.73	\$ 0.0064	2,075	\$ 13.28	\$ (1.45)	-9.86%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0016	2,075	\$ 3.32	\$ 0.0014	2,075	\$ 2.90	\$ (0.41)	-12.50%
Sub-Total C - Delivery (including Sub-Total B)			\$ 94.85			\$ 90.26	\$ (4.59)	-4.84%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	2,075	\$ 7.05	\$ 0.0034	2,075	\$ 7.05	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	2,075	\$ 1.04	\$ 0.0005	2,075	\$ 1.04	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1280	1,280	\$ 163.84	\$ 0.1280	1,280	\$ 163.84	\$ -	0.00%
TOU - Mid Peak	\$ 0.1280	360	\$ 46.08	\$ 0.1280	360	\$ 46.08	\$ -	0.00%
TOU - On Peak	\$ 0.1280	360	\$ 46.08	\$ 0.1280	360	\$ 46.08	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 359.19			\$ 354.60	\$ (4.59)	-1.28%
HST	13%		\$ 46.69	13%		\$ 46.10	\$ (0.60)	-1.28%
Ontario Electricity Rebate	31.8%		\$ (114.22)	31.8%		\$ (112.76)	\$ 1.46	
Total Bill on TOU			\$ 291.66			\$ 287.94	\$ (3.72)	-1.28%

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Customer Class:	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	52,500	kWh
Demand	135	kW
Current Loss Factor	1.0373	
Proposed/Approved Loss Factor	1.0373	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 286.44	1	\$ 286.44	\$ 291.31	1	\$ 291.31	\$ 4.87	1.70%
Distribution Volumetric Rate	\$ 2.3975	135	\$ 323.66	\$ 2.4383	135	\$ 329.17	\$ 5.51	1.70%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.3351	135	\$ 45.24	\$ 0.1748	135	\$ 23.60	\$ (21.64)	-47.84%
Sub-Total A (excluding pass through)			\$ 655.34			\$ 644.08	\$ (11.26)	-1.72%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 0.1645	135	\$ 22.21	\$ 0.3383	135	\$ (45.67)	\$ (67.88)	-305.65%
CBR Class B Rate Riders	\$ -	135	\$ -	\$ 0.0480	135	\$ (6.48)	\$ (6.48)	
GA Rate Riders	\$ 0.0023	52,500	\$ 120.75	\$ 0.0005	52,500	\$ (26.25)	\$ (147.00)	-121.74%
Low Voltage Service Charge	\$ -	135	\$ -		135	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	135	\$ -	\$ -	135	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 798.30			\$ 565.68	\$ (232.62)	-29.14%
RTSR - Network	\$ 2.9048	135	\$ 392.15	\$ 2.6179	135	\$ 353.42	\$ (38.73)	-9.88%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.5347	135	\$ 72.18	\$ 0.4842	135	\$ 65.37	\$ (6.82)	-9.44%
Sub-Total C - Delivery (including Sub-Total B)			\$ 1,262.63			\$ 984.46	\$ (278.17)	-22.03%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	54,458	\$ 185.16	\$ 0.0034	54,458	\$ 185.16	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	54,458	\$ 27.23	\$ 0.0005	54,458	\$ 27.23	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1368	54,458	\$ 7,449.89	\$ 0.1368	54,458	\$ 7,449.89	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 8,925.16			\$ 8,646.99	\$ (278.17)	-3.12%
HST	13%		\$ 1,160.27	13%		\$ 1,124.11	\$ (36.16)	-3.12%
Ontario Electricity Rebate	31.8%		\$ -	31.8%		\$ -	\$ -	
Total Bill on Average IESO Wholesale Market Price			\$ 10,085.43			\$ 9,771.10	\$ (314.33)	-3.12%

In the manager's summary, discuss the reas

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Customer Class:	LARGE USE SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	2,150,627	kWh
Demand	7,100	kW
Current Loss Factor	1.0373	
Proposed/Approved Loss Factor	1.0373	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 3,754.95	1	\$ 3,754.95	\$ 3,818.78	1	\$ 3,818.78	\$ 63.83	1.70%
Distribution Volumetric Rate	\$ 2.3975	7100	\$ 17,022.25	\$ 2.4383	7100	\$ 17,311.93	\$ 289.68	1.70%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.2008	7100	\$ 1,425.68	\$ -	7100	\$ -	\$ (1,425.68)	-100.00%
Sub-Total A (excluding pass through)			\$ 22,202.88			\$ 21,130.71	\$ (1,072.17)	-4.83%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 0.1555	7,100	\$ 1,104.05	\$ 0.2512	7,100	\$ (1,783.52)	\$ (2,887.57)	-261.54%
CBR Class B Rate Riders	\$ -	7,100	\$ -	\$ -	7,100	\$ -	\$ -	
GA Rate Riders	\$ 0.0023	2,150,627	\$ 4,946.44	\$ -	2,150,627	\$ -	\$ (4,946.44)	-100.00%
Low Voltage Service Charge	\$ -	7,100	\$ -	\$ -	7,100	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	7,100	\$ -	\$ -	7,100	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 28,253.37			\$ 19,347.19	\$ (8,906.18)	-31.52%
RTSR - Network	\$ 3.1394	7,100	\$ 22,289.74	\$ 2.8294	7,100	\$ 20,088.74	\$ (2,201.00)	-9.87%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.2861	7,100	\$ 9,131.31	\$ 1.1645	7,100	\$ 8,267.95	\$ (863.36)	-9.45%
Sub-Total C - Delivery (including Sub-Total B)			\$ 59,674.42			\$ 47,703.88	\$ (11,970.54)	-20.06%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	2,230,845	\$ 7,584.87	\$ 0.0034	2,230,845	\$ 7,584.87	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	2,230,845	\$ 1,115.42	\$ 0.0005	2,230,845	\$ 1,115.42	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1368	2,230,845	\$ 305,179.65	\$ 0.1368	2,230,845	\$ 305,179.65	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 373,554.62			\$ 361,584.08	\$ (11,970.54)	-3.20%
HST	13%		\$ 48,562.10	13%		\$ 47,005.93	\$ (1,556.17)	-3.20%
Ontario Electricity Rebate	31.8%		\$ -	31.8%		\$ -	\$ -	
Total Bill on Average IESO Wholesale Market Price			\$ 422,116.72			\$ 408,590.01	\$ (13,526.71)	-3.20%

In the manager's summary, discuss the reas

In the manager's summary, discuss the reas

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	800	kWh
Demand	-	kW
Current Loss Factor	1.0373	
Proposed/Approved Loss Factor	1.0373	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 21.56	1	\$ 21.56	\$ 21.93	1	\$ 21.93	\$ 0.37	1.72%
Distribution Volumetric Rate	\$ 0.0055	800	\$ 4.40	\$ 0.0056	800	\$ 4.48	\$ 0.08	1.82%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.0005	800	\$ 0.40	\$ -	800	\$ -	\$ (0.40)	-100.00%
Sub-Total A (excluding pass through)			\$ 26.36			\$ 26.41	\$ 0.05	0.19%
Line Losses on Cost of Power	\$ 0.1280	30	\$ 3.82	\$ 0.1280	30	\$ 3.82	\$ -	0.00%
Total Deferral/Variance Account Rate	\$ 0.0004	800	\$ 0.32	\$ 0.0010	800	\$ (0.80)	\$ (1.12)	-350.00%
Riders								
CBR Class B Rate Riders	\$ -	800	\$ -	\$ 0.0001	800	\$ (0.08)	\$ (0.08)	
GA Rate Riders	\$ -	800	\$ -	\$ -	800	\$ -	\$ -	
Low Voltage Service Charge	\$ -	800	\$ -	\$ -	800	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	800	\$ -	\$ -	800	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 30.50			\$ 29.35	\$ (1.15)	-3.77%
RTSR - Network	\$ 0.0071	830	\$ 5.89	\$ 0.0064	830	\$ 5.31	\$ (0.58)	-9.86%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0016	830	\$ 1.33	\$ 0.0014	830	\$ 1.16	\$ (0.17)	-12.50%
Sub-Total C - Delivery (including Sub-Total B)			\$ 37.72			\$ 35.82	\$ (1.90)	-5.03%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	830	\$ 2.82	\$ 0.0034	830	\$ 2.82	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	830	\$ 0.41	\$ 0.0005	830	\$ 0.41	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1280	512	\$ 65.54	\$ 0.1280	512	\$ 65.54	\$ -	0.00%
TOU - Mid Peak	\$ 0.1280	144	\$ 18.43	\$ 0.1280	144	\$ 18.43	\$ -	0.00%
TOU - On Peak	\$ 0.1280	144	\$ 18.43	\$ 0.1280	144	\$ 18.43	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 143.61			\$ 141.71	\$ (1.90)	-1.32%
HST	13%		\$ 18.67	13%		\$ 18.42	\$ (0.25)	-1.32%
Ontario Electricity Rebate	31.8%		\$ (45.67)	31.8%		\$ (45.06)	\$ 0.60	
Total Bill on TOU			\$ 116.61			\$ 115.07	\$ (1.54)	-1.32%

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Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	10,150	kWh
Demand	29	kW
Current Loss Factor	1.0373	
Proposed/Approved Loss Factor	1.0373	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 7.32	300	\$ 2,196.00	\$ 7.44	300	\$ 2,232.00	\$ 36.00	1.64%
Distribution Volumetric Rate	\$ 1.7615	29	\$ 51.08	\$ 1.7914	29	\$ 51.95	\$ 0.87	1.70%
Fixed Rate Riders	\$ -	300	\$ -	\$ -	300	\$ -	\$ -	
Volumetric Rate Riders	\$ 13.3812	29	\$ 388.05	\$ 9.5584	29	\$ 277.19	\$ (110.86)	-28.57%
Sub-Total A (excluding pass through)			\$ 2,635.14			\$ 2,561.14	\$ (73.99)	-2.81%
Line Losses on Cost of Power	\$ 0.1280	379	\$ 48.46	\$ 0.1280	379	\$ 48.46	\$ -	0.00%
Total Deferral/Variance Account Rate	\$ 0.1436	29	\$ 4.16	\$ 0.9638	29	\$ (27.95)	\$ (32.11)	-771.17%
Riders	\$ -	29	\$ -	\$ 0.0444	29	\$ (1.29)	\$ (1.29)	
CBR Class B Rate Riders	\$ -	10,150	\$ -	\$ -	10,150	\$ -	\$ -	
GA Rate Riders	\$ -	29	\$ -	\$ -	29	\$ -	\$ -	
Low Voltage Service Charge	\$ -	300	\$ -	\$ -	300	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	300	\$ -	\$ -	300	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	300	\$ -	\$ -	300	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	29	\$ -	\$ -	29	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 2,687.76			\$ 2,580.37	\$ (107.40)	-4.00%
RTSR - Network	\$ 2.1903	29	\$ 63.52	\$ 1.9740	29	\$ 57.25	\$ (6.27)	-9.88%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.4134	29	\$ 11.99	\$ 0.3743	29	\$ 10.85	\$ (1.13)	-9.46%
Sub-Total C - Delivery (including Sub-Total B)			\$ 2,763.27			\$ 2,648.47	\$ (114.80)	-4.15%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	10,529	\$ 35.80	\$ 0.0034	10,529	\$ 35.80	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	10,529	\$ 5.26	\$ 0.0005	10,529	\$ 5.26	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	300	\$ 75.00	\$ 0.25	300	\$ 75.00	\$ -	0.00%
TOU - Off Peak	\$ 0.1280	6,496	\$ 831.49	\$ 0.1280	6,496	\$ 831.49	\$ -	0.00%
TOU - Mid Peak	\$ 0.1280	1,827	\$ 233.86	\$ 0.1280	1,827	\$ 233.86	\$ -	0.00%
TOU - On Peak	\$ 0.1280	1,827	\$ 233.86	\$ 0.1280	1,827	\$ 233.86	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 4,178.53			\$ 4,063.73	\$ (114.80)	-2.75%
HST	13%		\$ 543.21	13%		\$ 528.28	\$ (14.92)	-2.75%
Ontario Electricity Rebate	31.8%		\$ -	31.8%		\$ -	\$ -	
Total Bill on TOU			\$ 4,721.74			\$ 4,592.01	\$ (129.73)	-2.75%

In the manager's summary, discuss the reas

In the manager's summary, discuss the reas

Customer Class:	STANDBY POWER SERVICE CLASSIFICATION		
RPP / Non-RPP:	0		
Consumption	-	kWh	
Demand	-	kW	
Current Loss Factor	1.0373		
Proposed/Approved Loss Factor	1.0373		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ -			\$ -	\$ -	
Line Losses on Cost of Power	\$ 0.1368	-	\$ -	\$ 0.1368	-	\$ -	\$ -	
Total Deferral/Variance Account Rate	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Riders	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
CBR Class B Rate Riders	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
GA Rate Riders	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Low Voltage Service Charge	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ -			\$ -	\$ -	
RTSR - Network	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
RTSR - Connection and/or Line and Transformation Connection	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Sub-Total C - Delivery (including Sub-Total B)			\$ -			\$ -	\$ -	
Wholesale Market Service Charge (WMSC)	\$ 0.0034	-	\$ -	\$ 0.0034	-	\$ -	\$ -	
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	-	\$ -	\$ 0.0005	-	\$ -	\$ -	
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1280	-	\$ -	\$ 0.1280	-	\$ -	\$ -	
TOU - Mid Peak	\$ 0.1280	-	\$ -	\$ 0.1280	-	\$ -	\$ -	
TOU - On Peak	\$ 0.1280	-	\$ -	\$ 0.1280	-	\$ -	\$ -	
Non-RPP Retailer Avg. Price	\$ 0.1368	-	\$ -	\$ 0.1368	-	\$ -	\$ -	
Average IESO Wholesale Market Price	\$ 0.1368	-	\$ -	\$ 0.1368	-	\$ -	\$ -	
Total Bill on TOU (before Taxes)			\$ 0.25			\$ 0.25	\$ -	0.00%
HST	13%		\$ 0.03	13%		\$ 0.03	\$ -	0.00%
Ontario Electricity Rebate	31.8%		\$ -	31.8%		\$ -	\$ -	
Total Bill on TOU			\$ 0.28			\$ 0.28	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 0.25			\$ 0.25	\$ -	0.00%
HST	13%		\$ 0.03	13%		\$ 0.03	\$ -	0.00%
Ontario Electricity Rebate	31.8%		\$ -	31.8%		\$ -	\$ -	
Total Bill on Non-RPP Avg. Price			\$ 0.28			\$ 0.28	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 0.25			\$ 0.25	\$ -	0.00%
HST	13%		\$ 0.03	13%		\$ 0.03	\$ -	0.00%
Ontario Electricity Rebate	31.8%		\$ -	31.8%		\$ -	\$ -	
Total Bill on Average IESO Wholesale Market Price			\$ 0.28			\$ 0.28	\$ -	0.00%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0373	
Proposed/Approved Loss Factor	1.0373	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 29.41	1	\$ 29.41	\$ 29.91	1	\$ 29.91	\$ 0.50	1.70%
Distribution Volumetric Rate	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Fixed Rate Riders	\$ 0.60	1	\$ 0.60	\$ (0.16)	1	\$ (0.16)	\$ (0.76)	-126.67%
Volumetric Rate Riders	\$ -	750	\$ -	\$ 0.0001	750	\$ 0.08	\$ 0.08	
Sub-Total A (excluding pass through)			\$ 30.01			\$ 29.83	\$ (0.19)	-0.62%
Line Losses on Cost of Power	\$ 0.1368	28	\$ 3.83	\$ 0.1368	28	\$ 3.83	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0003	750	\$ 0.23	\$ 0.0008	750	\$ (0.60)	\$ (0.83)	-366.67%
CBR Class B Rate Riders	\$ -	750	\$ -	\$ 0.0001	750	\$ (0.08)	\$ (0.08)	
GA Rate Riders	\$ 0.0023	750	\$ 1.73	\$ 0.0005	750	\$ (0.38)	\$ (2.10)	-121.74%
Low Voltage Service Charge	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 36.36			\$ 33.17	\$ (3.19)	-8.76%
RTSR - Network	\$ 0.0078	778	\$ 6.07	\$ 0.0070	778	\$ 5.45	\$ (0.62)	-10.26%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0016	778	\$ 1.24	\$ 0.0014	778	\$ 1.09	\$ (0.16)	-12.50%
Sub-Total C - Delivery (including Sub-Total B)			\$ 43.67			\$ 39.71	\$ (3.96)	-9.07%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	778	\$ 2.65	\$ 0.0034	778	\$ 2.65	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	778	\$ 0.39	\$ 0.0005	778	\$ 0.39	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1368	750	\$ 102.60	\$ 0.1368	750	\$ 102.60	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 149.30			\$ 145.34	\$ (3.96)	-2.65%
HST	13%		\$ 19.41	13%		\$ 18.89	\$ (0.52)	-2.65%
Ontario Electricity Rebate	31.8%		\$ (47.48)	31.8%		\$ (46.22)	\$ (1.26)	-2.65%
Total Bill on Non-RPP Avg. Price			\$ 168.71			\$ 164.24	\$ (4.48)	-2.65%

In the manager's summary, discuss the reas

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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	1.0373	
Proposed/Approved Loss Factor	1.0373	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 40.08	1	\$ 40.08	\$ 40.76	1	\$ 40.76	\$ 0.68	1.70%
Distribution Volumetric Rate	\$ 0.0119	2000	\$ 23.80	\$ 0.0121	2000	\$ 24.20	\$ 0.40	1.68%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.0010	2000	\$ 2.00	\$ 0.0006	2000	\$ 1.20	\$ (0.80)	-40.00%
Sub-Total A (excluding pass through)			\$ 65.88			\$ 66.16	\$ 0.28	0.43%
Line Losses on Cost of Power	\$ 0.1368	75	\$ 10.21	\$ 0.1368	75	\$ 10.21	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0004	2,000	\$ 0.80	\$ 0.0010	2,000	\$ (2.00)	\$ (2.80)	-350.00%
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ 0.0001	2,000	\$ (0.20)	\$ (0.20)	
GA Rate Riders	\$ 0.0023	2,000	\$ 4.60	\$ 0.0005	2,000	\$ (1.00)	\$ (5.60)	-121.74%
Low Voltage Service Charge	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 82.06			\$ 73.74	\$ (8.32)	-10.14%
RTSR - Network	\$ 0.0071	2,075	\$ 14.73	\$ 0.0064	2,075	\$ 13.28	\$ (1.45)	-9.86%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0016	2,075	\$ 3.32	\$ 0.0014	2,075	\$ 2.90	\$ (0.41)	-12.50%
Sub-Total C - Delivery (including Sub-Total B)			\$ 100.10			\$ 89.92	\$ (10.19)	-10.18%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	2,075	\$ 7.05	\$ 0.0034	2,075	\$ 7.05	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	2,075	\$ 1.04	\$ 0.0005	2,075	\$ 1.04	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1368	2,000	\$ 273.60	\$ 0.1368	2,000	\$ 273.60	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 381.80			\$ 371.61	\$ (10.19)	-2.67%
HST	13%		\$ 49.63	13%		\$ 48.31	\$ (1.32)	-2.67%
Ontario Electricity Rebate	31.8%		\$ (121.41)	31.8%		\$ (118.17)		
Total Bill on Non-RPP Avg. Price			\$ 431.43			\$ 419.92	\$ (11.51)	-2.67%

In the manager's summary, discuss the reas

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Customer Class:	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	52,500	kWh
Demand	135	kW
Current Loss Factor	1.0373	
Proposed/Approved Loss Factor	1.0373	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 286.44	1	\$ 286.44	\$ 291.31	1	\$ 291.31	\$ 4.87	1.70%
Distribution Volumetric Rate	\$ 2.3975	135	\$ 323.66	\$ 2.4383	135	\$ 329.17	\$ 5.51	1.70%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.3351	135	\$ 45.24	\$ 0.1748	135	\$ 23.60	\$ (21.64)	-47.84%
Sub-Total A (excluding pass through)			\$ 655.34			\$ 644.08	\$ (11.26)	-1.72%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 0.1645	135	\$ 22.21	\$ 0.3383	135	\$ (45.67)	\$ (67.88)	-305.65%
CBR Class B Rate Riders	\$ -	135	\$ -	\$ 0.0480	135	\$ (6.48)	\$ (6.48)	
GA Rate Riders	\$ 0.0023	52,500	\$ 120.75	\$ 0.0005	52,500	\$ (26.25)	\$ (147.00)	-121.74%
Low Voltage Service Charge	\$ -	135	\$ -	\$ -	135	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	135	\$ -	\$ -	135	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 798.30			\$ 565.68	\$ (232.62)	-29.14%
RTSR - Network	\$ 2.9048	135	\$ 392.15	\$ 2.6179	135	\$ 353.42	\$ (38.73)	-9.88%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.5347	135	\$ 72.18	\$ 0.4842	135	\$ 65.37	\$ (6.82)	-9.44%
Sub-Total C - Delivery (including Sub-Total B)			\$ 1,262.63			\$ 984.46	\$ (278.17)	-22.03%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	54,458	\$ 185.16	\$ 0.0034	54,458	\$ 185.16	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	54,458	\$ 27.23	\$ 0.0005	54,458	\$ 27.23	\$ -	0.00%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1368	54,458	\$ 7,449.89	\$ 0.1368	54,458	\$ 7,449.89	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 8,924.91			\$ 8,646.74	\$ (278.17)	-3.12%
HST	13%		\$ 1,160.24	13%		\$ 1,124.08	\$ (36.16)	-3.12%
Ontario Electricity Rebate	31.8%		\$ -	31.8%		\$ -	\$ -	
Total Bill on Non-RPP Avg. Price			\$ 10,085.14			\$ 9,770.81	\$ (314.33)	-3.12%

In the manager's summary, discuss the reas

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Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	10,150	kWh
Demand	29	kW
Current Loss Factor	1.0373	
Proposed/Approved Loss Factor	1.0373	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 7.32	300	\$ 2,196.00	\$ 7.44	300	\$ 2,232.00	\$ 36.00	1.64%
Distribution Volumetric Rate	\$ 1.7615	29	\$ 51.08	\$ 1.7914	29	\$ 51.95	\$ 0.87	1.70%
Fixed Rate Riders	\$ -	300	\$ -	\$ -	300	\$ -	\$ -	
Volumetric Rate Riders	\$ 13.3812	29	\$ 388.05	\$ 9.5584	29	\$ 277.19	\$ (110.86)	-28.57%
Sub-Total A (excluding pass through)			\$ 2,635.14			\$ 2,561.14	\$ (73.99)	-2.81%
Line Losses on Cost of Power	\$ 0.1368	379	\$ 51.79	\$ 0.1368	379	\$ 51.79	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.1436	29	\$ 4.16	\$ 0.9638	29	\$ (27.95)	\$ (32.11)	-771.17%
CBR Class B Rate Riders	\$ -	29	\$ -	\$ 0.0444	29	\$ (1.29)	\$ (1.29)	
GA Rate Riders	\$ 0.0023	10,150	\$ 23.35	\$ 0.0005	10,150	\$ (5.08)	\$ (28.42)	-121.74%
Low Voltage Service Charge	\$ -	29	\$ -	\$ -	29	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	300	\$ -	\$ -	300	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	300	\$ -	\$ -	300	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	29	\$ -	\$ -	29	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 2,714.44			\$ 2,578.62	\$ (135.82)	-5.00%
RTSR - Network	\$ 2.1903	29	\$ 63.52	\$ 1.9740	29	\$ 57.25	\$ (6.27)	-9.88%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.4134	29	\$ 11.99	\$ 0.3743	29	\$ 10.85	\$ (1.13)	-9.46%
Sub-Total C - Delivery (including Sub-Total B)			\$ 2,789.95			\$ 2,646.72	\$ (143.22)	-5.13%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	10,529	\$ 35.80	\$ 0.0034	10,529	\$ 35.80	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	10,529	\$ 5.26	\$ 0.0005	10,529	\$ 5.26	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	300	\$ 75.00	\$ 0.25	300	\$ 75.00	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1368	10,150	\$ 1,388.52	\$ 0.1368	10,150	\$ 1,388.52	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 4,294.53			\$ 4,151.31	\$ (143.22)	-3.34%
HST	13%		\$ 558.29	13%		\$ 539.67	\$ (18.62)	-3.34%
Ontario Electricity Rebate	31.8%		\$ -	31.8%		\$ -	\$ -	
Total Bill on Average IESO Wholesale Market Price			\$ 4,852.82			\$ 4,690.98	\$ (161.84)	-3.34%

In the manager's summary, discuss the reas

In the manager's summary, discuss the reas

Customer Class:	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	52,500	kWh
Demand	135	kW
Current Loss Factor	1.0373	
Proposed/Approved Loss Factor	1.0373	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 286.44	1	\$ 286.44	\$ 291.31	1	\$ 291.31	\$ 4.87	1.70%
Distribution Volumetric Rate	\$ 2.3975	135	\$ 323.66	\$ 2.4383	135	\$ 329.17	\$ 5.51	1.70%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.3351	135	\$ 45.24	\$ 0.1748	135	\$ 23.60	\$ (21.64)	-47.84%
Sub-Total A (excluding pass through)			\$ 655.34			\$ 644.08	\$ (11.26)	-1.72%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ 0.1645	135	\$ 22.21	\$ 0.3383	135	\$ (45.67)	\$ (67.88)	-305.65%
CBR Class B Rate Riders	\$ -	135	\$ -	\$ 0.0480	135	\$ (6.48)	\$ (6.48)	
GA Rate Riders	\$ 0.0023	52,500	\$ 120.75	\$ 0.0005	52,500	\$ (26.25)	\$ (147.00)	-121.74%
Low Voltage Service Charge	\$ -	135	\$ -	\$ -	135	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	135	\$ -	\$ -	135	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 798.30			\$ 565.68	\$ (232.62)	-29.14%
RTSR - Network	\$ 2.9048	135	\$ 392.15	\$ 2.6179	135	\$ 353.42	\$ (38.73)	-9.88%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.5347	135	\$ 72.18	\$ 0.4842	135	\$ 65.37	\$ (6.82)	-9.44%
Sub-Total C - Delivery (including Sub-Total B)			\$ 1,262.63			\$ 984.46	\$ (278.17)	-22.03%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	54,458	\$ 185.16	\$ 0.0034	54,458	\$ 185.16	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	54,458	\$ 27.23	\$ 0.0005	54,458	\$ 27.23	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1368	54,458	\$ 7,449.89	\$ 0.1368	54,458	\$ 7,449.89	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 8,925.16			\$ 8,646.99	\$ (278.17)	-3.12%
HST	13%		\$ 1,160.27	13%		\$ 1,124.11	\$ (36.16)	-3.12%
Ontario Electricity Rebate	31.8%		\$ -	31.8%		\$ -	\$ -	
Total Bill on Average IESO Wholesale Market Price			\$ 10,085.43			\$ 9,771.10	\$ (314.33)	-3.12%

In the manager's summary, discuss the reas

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1 Appendix 3 – NOTLH – 2021 GA Analysis Workform



GA Analysis Workform

Version 1.9

Account 1589 Global Adjustment (GA) Analysis Workform

Input cells
Drop down cells

Utility Name NIAGARA-ON-THE-LAKE HYDRO INC.

Note 1

For Account 1589,

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

2018

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

Instructions:

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

For example:

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

GA

Analysis Workform for 2019 will be generated.

- Scenario bii - If 2018 balances were last approved on an interim basis, there are changes to 2018 balances, and 2017 balances were last

approved for disposition - Select 2017 and GA Analysis Workforms for 2018 and 2019 will be generated.

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

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

Year	Annual Net Change in Expected GA Balance from GA Analysis	Net Change in Principal Balance in the GL	Reconciling Items	Adjusted Net Change in Principal Balance in the GL	Unresolved Difference	\$ Consumption at Actual Rate Paid	Unresolved Difference as % of Expected GA Payments to IESO
2019	\$ -	\$ 43,540	\$ (64,625)	\$ (21,085)	\$ (21,085)	\$ 8,663,487	-0.2%
Cumulative Balance	\$ -	\$ 43,540	\$ (64,625)	\$ (21,085)	\$ (21,085)	\$ 8,663,487	N/A



GA Analysis Workform

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

Year	2019			
Total Metered excluding WMP	C = A+B	229,312,805	kWh	100%
RPP	A	116,852,325	kWh	51.0%
Non RPP	B = D+E	112,460,481	kWh	49.0%
Non-RPP Class A	D	35,841,899	kWh	15.6%
Non-RPP Class B*	E	76,618,581	kWh	33.4%

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

Note 3 GA Billing Rate

GA is billed on the

Actual

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

Yes

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

Yes

Note 4 Analysis of Expected GA Amount

Year	2019								
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh)	\$ Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)
	F	G	H	I = F-G+H	J	K = I*J	L	M = I*L	=M-K
January	6,541,912			6,541,912	0.08092	\$ 529,371	0.08092	\$ 529,371	\$ -
February	5,946,329			5,946,329	0.08812	\$ 523,991	0.08812	\$ 523,991	\$ -
March	6,306,558			6,306,558	0.08041	\$ 507,110	0.08041	\$ 507,110	\$ -
April	5,530,369			5,530,369	0.12333	\$ 682,060	0.12333	\$ 682,060	\$ -
May	5,649,161			5,649,161	0.12604	\$ 712,020	0.12604	\$ 712,020	\$ -
June	5,980,093			5,980,093	0.13728	\$ 820,947	0.13728	\$ 820,947	\$ -
July	8,298,052			8,298,052	0.09645	\$ 800,347	0.09645	\$ 800,347	\$ -
August	8,201,292			8,201,292	0.12607	\$ 1,033,937	0.12607	\$ 1,033,937	\$ -
September	7,098,176			7,098,176	0.12263	\$ 870,449	0.12263	\$ 870,449	\$ -
October	6,496,704			6,496,704	0.13680	\$ 888,749	0.13680	\$ 888,749	\$ -
November	6,580,289			6,580,289	0.09953	\$ 654,936	0.09953	\$ 654,936	\$ -
December	6,861,583			6,861,583	0.09321	\$ 639,568	0.09321	\$ 639,568	\$ -
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	79,490,517	-	-	79,490,517		\$ 8,663,487		\$ 8,663,487	\$ -

Calculated Loss Factor 1.0375
Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW 1.0373
Difference 0.0002

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

NOTL Hydro updates the effective date of the GA rate type in the billing system monthly. This enables NOTL Hydro to

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

Note 5 **Reconciling Items**

	Item	Amount	Explanation	Principal Adjustments	
	Net Change in Principal Balance in the GL (i.e. Transactions in the Year)	\$ 43,540		Principal Adjustment on DVA Continuity Schedule	If "no", please provide an explanation
1a	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year	\$ -	n/a		
1b	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year	\$ -	n/a		
2a	Remove prior year end unbilled to actual revenue differences	\$ -	2018 unbilled revenues were true-up to actual amounts at year end		
2b	Add current year end unbilled to actual revenue differences	\$ -	2019 unbilled revenues were true-up to actual amounts at year end		
3a	Remove difference between prior year accrual/unbilled to actual from load transfers	\$ -	n/a		
3b	Add difference between current year accrual/unbilled to actual from load transfers	\$ -	n/a		
3	Significant prior period billing adjustments recorded in current year	\$ -	n/a		
4	Differences in actual system losses and billed TLFs	\$ 14,052	Difference between kWh used to calculate GA expense and actual amount billed to customers	No	difference in losses to be captured in
5	CT 2148 for prior period corrections	\$ (78,677)	Generation estimates used for 1598 purposes were trued-up to actuals with the IESO and the difference was	Yes	
6	Others as justified by distributor				
7					
8					
9					
10					

Note 6	Adjusted Net Change in Principal Balance in the GL	\$ (21,085)
	Net Change in Expected GA Balance in the Year Per Analysis	\$ -
	Unresolved Difference	\$ (21,085)
	Unresolved Difference as % of Expected GA Payments to IESO	<u>-0.2%</u>

GA Analysis Workform - Account 1588 and 1589 Principal Adjustment Reconciliation

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

Account 1589 - RSV Global Adjustment			
Adjustment Description	Amount	To be reversed in current application?	Explanation if not to be reversed in current application
1 Difference between generation estimates provided to IESO and actual	78,553	Yes	
2			
3			
4			
5			
6			
7			
8			
Total	78,553		
Total principal adjustments included in last approved balance			
Difference	78,553		

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

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

Notes

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

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

Account 1589 - RSV Global Adjustment			
Year	Adjustment Description	Amount	Year Recorded in GL
<i>Reversals of prior approved principal adjustments (auto-populated from table above)</i>			
	1 Difference between generation estimates provided to IESO and actual	(78,553.00)	
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	Total Reversal Principal Adjustments	(78,553)	
<i>Current year principal adjustments</i>			
	1 CT 148 true-up of GA Charges based on actual Non-RPP volumes		
	2 Unbilled to actual revenue differences		
	3		
	4		
	5		
	6		
	7		
	8		
	Total Current Year Principal Adjustments	-	
	Total Principal Adjustments to be Included on DVA Continuity Schedule	(78,553)	

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

1 Appendix 4 – NOTLH – 2021 Generic LRAMVA Workform



Ontario Energy Board

Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Work Form

Version 5.0 (2021)

Generic LRAMVA Work Forms

Worksheet Name	Description
1. LRAMVA Summary	Tables 1-a and 1-b provide a summary of the LRAMVA balances and carrying charges associated with the LRAMVA disposition. The balances are populated from entries into other tabs throughout this work form.
1-a. Summary of Changes	Tables A-1 and A-2 include a template for LDCs to summarize changes to the LRAMVA work form.
2. LRAMVA Threshold	Tables 2-a, 2-b and 2-c include the LRAMVA thresholds and allocations by rate class.
3. Distribution Rates	Tables 3-a and 3-b include the distribution rates that are used to calculate lost revenues.
3-a. Rate Class Allocations	A blank spreadsheet is provided to allow LDCs to populate distributor specific rate class percentages to allocate actual CDM savings to different customer classes.
4. 2011-2014 LRAM	Tables 4-a, 4-b, 4-c and 4-d include the template 2011-2014 LRAMVA work forms.
5. 2015-2020 LRAM	Tables 5-a, 5-b, 5-c and 5-d include the template 2015-2020 LRAMVA work forms.
6. Carrying Charges	Table 6-b includes the variance on carrying charges related to the LRAMVA disposition.
7. Persistence Report	A blank spreadsheet is provided to allow LDCs to populate with CDM savings persistence data provided by the IESO.
8. Streetlighting	A blank spreadsheet is provided to allow LDCs to populate data on streetlighting projects whose savings were not provided by the IESO in the CDM Final Results Report (i.e., streetlighting projects).

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



LRAMVA Work Form: Instructions

Version 5.0 (2021)

Tab	Instructions
LRAMVA Checklist/Schematic Tab	<p>The LRAMVA work form was created in a generic manner for use by all LDCs. Distributors should follow the checklist, which is referenced in this tab of the work form and listed below:</p> <ul style="list-style-type: none"> o Highlight changes to this work form made by the LDC, if any, and provide rationale for the change in Tab 1-a. o Include any necessary assumptions the LDC has to make in its LRAMVA work form in the "Notes" section of the work form. o Provide documentation on the LRAMVA threshold by providing the reference and source material from the LDC's cost of service proceeding where its most recent load forecast was approved. o Include a copy of initiative-level persistence savings information that was verified by the IESO. Persistence information is available upon request from the IESO. o Apply the IESO verified savings adjustments to the year it relates to. For example, savings adjustments to 2015 programs will be provided to LDCs with the 2016 Final Results Report. The 2015 savings adjustments should be included in the 2015 verified savings portion of the work form. o Provide documentation or data substantiating savings from projects that were not provided in the IESO's verified results reports, inserted in Tab 8 (i.e., streetlighting projects), as applicable. o Provide documentation or analysis on how rate class allocations were determined by customer class and program each year, inserted in Tab 3-a.
Tab 1. LRAMVA Summary	Distributors are required to report any past approved LRAMVA amounts along with the current LRAMVA amount requested for approval. There are separate tables indicating new lost revenues and carrying charges amounts by year and the totals for rate rider calculations.
Tab 1-a. Summary of Changes	Distributors should list all significant changes and changes in assumptions in the generic work form affecting the LRAMVA.
Tab 2. LRAMVA Threshold	Distributors should use the tables to display the LRAMVA threshold amounts as approved at a rate class level. This should be taken from the LDC's most recently approved cost of service application.
Tab 3. Distribution Rates	Distributors should complete the tables with rate class specific distribution rates and adjustments as applicable.
Tab 3-a. Rate Class Allocations	A tab is provided to allow LDCs to include documentation or analysis on how rate class allocations for actual CDM savings were determined by customer class and program each year. The rate class allocations would support the LRAMVA rate class allocation figures used in Tabs 4 and 5.
Tabs 4 and 5 (2011-2020)	<p>Distributors should complete the lost revenue calculation for 2011-2014 program years and 2015-2020 program years, as applicable, by undertaking the following:</p> <ul style="list-style-type: none"> o Input or manually link the savings, adjustments and program savings persistence data from Tab 7 (Persistence Report) to Tabs 4 and 5. As noted earlier, persistence data is available upon request from the IESO. o Ensure that the IESO verified savings adjustments apply to the program year it relates to. For example, savings adjustments related to 2012 programs that were reported by the IESO in 2013 should be included in the 2012 program savings table. o Confirm the monthly multipliers applied to demand savings. If a different monthly multiplier is used than what was confirmed in the LRAMVA Report, provide rationale in Tab 1-a and highlight the new monthly multiplier that has been used. o Input the rate class allocations by program and year to allocate actual savings to customers. If a different allocation is proposed for adjustments, LDCs must provide the supporting rationale in Tab 1-a and highlight the change. o Provide assumptions about the year(s) in which persistence is captured in the load forecast via the "Notes" section of each table and adjust what is included in the LRAMVA totals, as appropriate.
Tab 6. Carrying Charges	Distributors are requested to calculate carrying charges based on the methodology provided in the work form. This includes updating Table 6 as new prescribed interest rates for deferral and variance accounts become available and entering any collected interest amounts into the "Amounts Cleared" row to calculate outstanding variances on carrying charges.
Tab 7. Persistence Report	Persistence savings report(s) provided by the IESO should be included for the relevant years in the LRAMVA work form. Tab 7 has been created consistently with the IESO's persistence report.
Tab 8. Streetlighting	A tab is provided to ensure LDCs include documentation or data to support projects whose program savings were not provided by the IESO (i.e., streetlighting projects).



LRAMVA Work Form: Checklist and Schematic

Version 5.0 (2021)

General Note on the LRAMVA Model

The LRAMVA work form has been created in a generic manner that should allow for use by all LDCs. This LRAMVA work form consolidates information that LDCs are already required to file with the OEB. The model has been created to provide LDCs with a consistent format to display CDM impacts, the forecast savings component and, ultimately, any variance between actual CDM savings and forecast CDM savings. The majority of the information required in the LRAMVA work form will be provided to LDCs from the IESO as part of the Final CDM Results and Participation and Cost Report. Please contact the IESO for any reports that may be required to complete this LRAMVA work form.

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

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

Legend

Drop Down List (Blue)

Important Checklist

Yes	o Highlight changes to this work form made by the LDC, if any, and provide rationale for the change in Tab 1-a
Not Applicable	o Include any necessary assumptions the LDC has to make in its LRAMVA work form in the "Notes" section of the work form
Yes	o Provide documentation on the LRAMVA threshold by providing the reference and source material from the LDC's cost of service proceeding where its most recent load forecast was approved
No	o Include a copy of initiative-level persistence savings information that was verified by the IESO in Tab 7. Persistence information is available upon request from the IESO
Yes	o Apply the IESO verified savings adjustments to the year it relates to.
Yes	o Provide documentation or data substantiating savings from projects that were not provided in the IESO's verified results reports, inserted in Tab 8 (i.e., streetlighting projects), as applicable
No	o Provide documentation or analysis on how rate class allocations were determined by customer class and program each year, inserted in Tab 3-a

Work Form Calculations	Source of Calculation	Inputs (Tables to Complete)	Source of Data Inputs	Outputs of Data (Auto-Populated)
Actual Incremental CDM Savings by Initiative	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns D & O)	IESO Verified Persistence Results Reports included in Tab 7 (Columns L to BT).	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
+/- IESO Verified Savings Adjustments	Tab "4. 2011-2014 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns D-M & Columns O-X)	IESO Verified Persistence Results Reports included in Tab 7 (Columns L to BT).	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
+ Initiative Level Savings Persistence	Tab "4. 2011-2014 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns E-M & Columns P-X)	IESO Verified Persistence Results Reports included in Tab 7 (Columns L to BT).	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
x <u>Allocation % to Rate Class</u>	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AJ)	Determined by the LDC	
Actual Lost Revenues (kWh and kW) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"			
- Forecast Lost Revenues (kWh and kW) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tab "2. LRAMVA Threshold" Tables 2-a, 2-b and 2-c		
x <u>Distribution Rate by Rate Class</u>	Tab "3. Distribution Rates"	Table 3	LDC's Approved Tariff Sheets	
LRAMVA (\$) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"			Tables 1-a and 1-b
+ <u>Carrying Charges (\$) by Rate Class</u>	Tabs "1. LRAMVA Summary" and "6. Carrying Charges"	Table 6		Table 6-a
Total LRAMVA (\$) by Rate Class	Tab "1. LRAMVA Summary"			



Ontario Energy Board

LRAMVA Work Form: Summary Tab

Version 3.0 (2021)

Legend

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

LDC Name

Niagara-on-the-Lake Hydro Inc.

Application Details

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

A. Previous LRAMVA Application

Previous LRAMVA Application (EB#)	EB-2018-0056
Application of Previous LRAMVA Claim	2019 COS
Period of LRAMVA Claimed in Previous Application	2016-2017
Amount of LRAMVA Claimed in Previous Application	\$ 202,708.00

B. Current LRAMVA Application

Current LRAMVA Application (EB#)	EB-2020-0042
Application of Current LRAMVA Claim	2021 IRM Application
Period of New LRAMVA in this Application	2018-2019
Period of Rate Recovery (# years)	1

C. Documentation of Changes

Original Amount	
Amount for Final Disposition	

Actual Lost Revenues (\$)	A	\$ 229,839
Forecast Lost Revenues (\$)	B	\$ 43,939
Carrying Charges (\$)	C	\$ 6,785
LRAMVA (\$ for Account 1568	A+B+C	\$ 192,684

Table 1-a. LRAMVA Totals by Rate Class

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

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

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

Customer Class	Billing Unit	Principal (\$)	Carrying Charges (\$)	Total LRAMVA (\$)
Residential	kWh	\$14,858	\$617	\$15,475
GS<50 kW	kWh	\$53,157	\$1,809	\$54,966
GS 50 - 4,999 kW	kW	\$73,577	\$2,608	\$76,186
Large Use	kW	\$0	\$0	\$0
Unmetered	kWh	\$0	\$0	\$0
Street Lights	kW	\$44,307	\$1,750	\$46,057
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
Total		\$185,900	\$6,785	\$192,684

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

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

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

LDCs are expected to include projected carrying charges amounts in row 84 of Table 1-b below. LDCs should also check accuracy of the years included in the LRAMVA balance in row 85.

Description	LRAMVA Previously Claimed	Residential	GS<50 kW	GS 50 - 4,999 kW	Large Use	Unmetered	Street Lights	Total
		kWh	kWh	kW	kW	kWh	kW	
2011 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2011 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared								
2012 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2012 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared								
2013 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2013 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared								
2014 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2014 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared								
2015 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2015 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared								
2016 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2016 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared								
2017 Actuals		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2017 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared								
2018 Actuals		\$14,244.96	\$39,717.95	\$42,151.08	\$0.00	\$0.00	\$32,212.06	\$128,326.05
2018 Forecast		(\$2,028.78)	(\$14,525.98)	(\$2,446.46)	\$0.00	\$0.00	\$0.00	(\$19,001.22)
Amount Cleared								
2019 Actuals		\$3,512.64	\$40,858.04	\$45,046.81	\$0.00	\$0.00	\$12,095.01	\$101,512.51
2019 Forecast		(\$871.02)	(\$12,892.80)	(\$11,174.00)	\$0.00	\$0.00	\$0.00	(\$24,937.82)
Amount Cleared								
Carrying Charges		\$617.35	\$1,808.97	\$2,608.28	\$0.00	\$0.00	\$1,749.93	\$6,784.53
Total LRAMVA Balance		\$15,475	\$54,966	\$76,186	\$0	\$0	\$46,057	\$192,684

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



LRAMVA Work Form: Summary of Changes

Version 5.0 (2021)

Legend

User Inputs (Green)

Drop Down List (Blue)

Instructions (Grey)

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

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

No.	Tab	Cell Reference	Description	Rationale
1	4. 2011-2014 LRAM	B288	Added "Annual Coupons" and removed "Conservation Instant Coupon Booklet"	
2	4. 2011-2014 LRAM	B303	Added "peaksaverPLUS" and removed "Res New Construction"	
3	4. 2011-2014 LRAM	B310	Added "Small Business Lighting" and removed "Direct Install Lighting"	
4	5. 2015-2020 LRAM	Row 471	Includes "Save on Energy Coupon Program" and Save on Energy Instant Discount	
5				
6				
7				
8				
9				
10				
etc.				

Table A-2. Updates to LRAMVA Disposition

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

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



LRAMVA Work Form: Forecast Lost Revenues

Version 5.0 (2021)

Legend

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

Table 2-a. LRAMVA Threshold

2014

Please provide the LRAMVA threshold approved in the cost of service (COS) or custom IR (CIR) application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-1. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

Total	Residential	GS<50 kW	GS 50 - 4,999 kW	Large Use	Unmetered	Steet Lights									
	kWh	kWh	kWh	kW	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
kWh	2,879,184	461,087	1,231,015	1,187,082											
kW	1,104			1104											
Summary		461087	1231015	1104	0	0	0	0	0	0	0	0	0	0	0

Years Included in Threshold

2014

Source of Threshold

2014 Settlement Agreement, p. 54 (EB-2013-0155)

Table 2-b. LRAMVA Threshold

2019

Please provide the LRAMVA threshold approved in the cost of service (COS) or custom IR (CIR) application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-1. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

Total	Residential	GS<50 kW	GS 50 - 4,999 kW	Large Use	Unmetered	Steet Lights									
	kWh	kWh	kWh	kW	kW	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
kWh	3,770,854	791,837	1,101,949	1,877,068											
kW	4,832			4832											
Summary		791837	1101949	4832	0	0	0	0	0	0	0	0	0	0	0

Years Included in Threshold

2019

Source of Threshold

NOTL Hydro 2019 Load Forecast Wholesale 20190110.xslm_20190211.xlsx - Settlement Proposal

Table 2-c. Inputs for LRAMVA Thresholds

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

Year	LRAMVA Threshold	Residential	GS<50 kW	GS 50 - 4,999 kW	Large Use	Unmetered	Steet Lights								
		kWh	kWh	kW	kW	kWh	kW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	2014	461,087	1,231,015	1,104	0	0	0	0	0	0	0	0	0	0	0
2019	2019	791,837	1,101,949	4,832	0	0	0	0	0	0	0	0	0	0	0

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

LRAMVA Work Form:
Distribution Rates

Version 5.0 (2021)

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

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

	Billing Unit	EB-2009-0237	EB-2010-0101	EB-2011-0186 EB-2012-0026	EB-2012-0063	EB-2013-0155	EB-2014-0097	EB-2015-0091	EB-2016-0095	EB-2017-0064	EB-2018-0056	EB-2019-XXXX	EB-2020-XXXX
Rate Year		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Period 1 (# months)		4	4	4	4	4	4	4	4	4	4		
Period 2 (# months)		8	8	8	8	8	8	8	8	8	8	12	12
Residential		\$ 0.0127	\$ 0.0127	\$ 0.0128	\$ 0.0129	\$ 0.0126	\$ 0.0128	\$ 0.0098	\$ 0.0066	\$ 0.0033	\$ -		
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ 0.0127	\$ 0.0127	\$ 0.0128	\$ 0.0129	\$ 0.0126	\$ 0.0128	\$ 0.0098	\$ 0.0066	\$ 0.0033	\$ -	\$ -	-
Calendar year equivalent		\$ 0.0127	\$ 0.0127	\$ 0.0128	\$ 0.0129	\$ 0.0127	\$ 0.0127	\$ 0.0108	\$ 0.0077	\$ 0.0044	\$ 0.0011	\$ -	-
GS-50 kW		\$ 0.0136	\$ 0.0136	\$ 0.0137	\$ 0.0138	\$ 0.0112	\$ 0.0113	\$ 0.0115	\$ 0.0117	\$ 0.0118	\$ 0.0117		
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ 0.0136	\$ 0.0136	\$ 0.0137	\$ 0.0138	\$ 0.0112	\$ 0.0113	\$ 0.0115	\$ 0.0117	\$ 0.0118	\$ 0.0117	\$ -	-
Calendar year equivalent		\$ 0.0136	\$ 0.0136	\$ 0.0137	\$ 0.0138	\$ 0.0121	\$ 0.0113	\$ 0.0114	\$ 0.0116	\$ 0.0118	\$ 0.0117	\$ -	-
GS 50 - 4,999 kW		\$ 2.6148	\$ 2.5318	\$ 2.5541	\$ 2.5664	\$ 2.1025	\$ 2.1298	\$ 2.1681	\$ 2.2028	\$ 2.2226	\$ 2.3574		
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ 2.6148	\$ 2.5318	\$ 2.5541	\$ 2.5664	\$ 2.1025	\$ 2.1298	\$ 2.1681	\$ 2.2028	\$ 2.2226	\$ 2.3574	\$ -	-
Calendar year equivalent		\$ 2.5595	\$ 2.5467	\$ 2.5623	\$ 2.571	\$ 2.1207	\$ 2.1553	\$ 2.1912	\$ 2.2160	\$ 2.3125	\$ -	-	-
Large Use		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.3574		
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.3574	\$ -	-
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1.5716	\$ -	-
Unmetered		\$ 0.0161	\$ 0.0161	\$ 0.0162	\$ 0.0163	\$ 0.0060	\$ 0.0061	\$ 0.0062	\$ 0.0063	\$ 0.0064	\$ 0.0054		
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ 0.0161	\$ 0.0161	\$ 0.0162	\$ 0.0163	\$ 0.0060	\$ 0.0061	\$ 0.0062	\$ 0.0063	\$ 0.0064	\$ 0.0054	\$ -	-
Calendar year equivalent		\$ 0.0161	\$ 0.0162	\$ 0.0163	\$ 0.0094	\$ 0.0061	\$ 0.0062	\$ 0.0063	\$ 0.0064	\$ 0.0057	\$ -	-	-
Street Lights		\$ 15.2803	\$ 19.2173	\$ 19.3864	\$ 19.4795	\$ 29.0338	\$ 29.4112	\$ 29.9406	\$ 30.4196	\$ 30.6934	\$ 1.8891		
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ 15.2803	\$ 19.2173	\$ 19.3864	\$ 19.4795	\$ 29.0338	\$ 29.4112	\$ 29.9406	\$ 30.4196	\$ 30.6934	\$ 1.8891	\$ -	-
Calendar year equivalent		\$ 17.9050	\$ 19.3300	\$ 19.4485	\$ 25.8490	\$ 29.2854	\$ 29.7641	\$ 30.2599	\$ 30.6021	\$ 11.4905	\$ -	-	-
0													
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
0													
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
0													
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
0													
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
0													
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
0													
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
0													
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Calendar year equivalent		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-

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

Table 3-a. Distribution Rates by Rate Class

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

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

Year	Residential	GS-50 kW	GS 50 - 4,999 kW	Large Use	Unmetered	Street Lights	0	0	0	0	0	0	0
	kWh	kWh	kW	kW	kWh	kW	0	0	0	0	0	0	0
2011	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2012	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2013	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2014	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2015	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2016	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2017	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2018	\$0.0044	\$0.0118	\$2.2160	\$0.0000	\$0.0064	\$30.6021	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2019	\$0.0011	\$0.0117	\$2.3125	\$1.5716	\$0.0057	\$11.4905	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000

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



Ontario Energy Board

LRAMVA Work Form: Determination of Rate Class Allocations

Version 5.0 (2021)

Instructions

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

LRAMVA Work Form:
2011 - 2014 Lost Revenues Work Form

Version 5.0 (2021)

Legend

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

Instructions

1. LDCs can apply for disposition of LRAMVA amounts at any time, but at a minimum, must do so as part of a cost of service (COS) application. The following LRAMVA work forms apply to LDCs that need to recover lost revenues from the 2011-2014 period. Please input or manually link the savings, adjustments and program savings persistence data in these tables from the LDC's Persistence Reports provided by the IESO (in Tab 7). As noted earlier, persistence data is available upon request from the IESO. Please also be advised that the same rate classes (of up to 14) are carried over from the Summary Tab 1.
2. Please ensure that the IESO verified savings adjustments apply back to the program year it relates to. For example, savings adjustments related to 2013 programs that were reported by the IESO in 2013 should be included in the 2012 program savings table. In order for persisting savings to be claimed in future years, past year's initiative level savings results need to be filled out in the tables below. If the IESO adjustments were made available to the LDC after the LRAMVA was approved, the persistence of those savings adjustments in the future can be claimed as approved LRAMVA amounts are considered to be final.
3. The work forms below include the monthly multipliers for most programs in order to claim demand savings from energy efficiency programs, consistent with the monthly multipliers indicated in the OEB's updated LRAM policy related to peak demand savings in EB-2016-0152. Demand Response (DR) savings should generally not be included with the LRAMVA calculation, unless supported by empirical evidence. LDCs are requested to confirm the monthly multipliers for all programs each year as placeholder values are provided. If a different monthly multiplier is used, please include rationale in Tab 1-a and highlight the new multiplier that has been used.
4. LDC are requested to input the applicable rate class allocation percentages to allocate actual savings to the rate classes. The generic template currently includes the same allocation percentage for program savings and its savings adjustments. If a different allocation is proposed for savings adjustments, LDCs must provide supporting rationale in Tab 1-a and highlight the change.
5. The persistence of future savings is expected to be included in the distributor's load forecast after re-basing. LDCs are requested to delete the applicable savings persistence rows (auto-calculated after the LRAMVA totals for the year) if future year's persistence of savings is already captured in the updated load forecast. Please also provide assumptions about the years in which persistence is captured in the load forecast calculation in the "Notes" section below each table.

Tables

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

Table 4-a. 2011 Lost Revenues Work Form

Program	Results Status	Net Energy Savings (kWh)		Net Energy Savings Persistence (kWh)										Monthly Multiplier	Net Demand Savings (kW)		Net Peak Demand Savings Persistence (kW)										Rate Allocations for LRAMVA																Total																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2011	2012		2013	2014	2015	2016	2017	2018	2019	2020	Residential	GS-50 kW	GS 50 - 4,999 kW	Large Use	Unmetered	Street Lights																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

[illegible]

Table 4-c. 2013 Lost Revenues Work Form

[illegible]

Table 4-d. 2014 Lost Revenues Work Form

[illegible]

Note: LDC to make note of key assumptions included above

LRAMVA Work Form:

Version 5.0 (2021)

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

[illegible]

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

Table 5-a. 2015 Lost Revenues Work Form

[illegible]

Note: LDC to make note of key assumptions included above

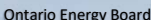
[Return to top](#)

[illegible]

Legacy Framework																		kWh	kWh	kW	kW	kWh	kW	0	0	0	0	0	0	0	0		
1	Residential Program Coupon Initiative Adjustment to 2017 savings	Verified True-up																	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%		
2	BI-Annual Retailer Event Initiative Adjustment to 2017 savings	Verified True-up																	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%		
3	Appliance Retirement Initiative Adjustment to 2017 savings	Verified True-up																	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%		
4	HVAC Incentives Initiative Adjustment to 2017 savings	Verified True-up																	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%		
5	Residential New Construction and Major Renovation Initiative Adjustment to 2017 savings	Verified True-up																	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%		
6	Commercial & Institutional Program Energy Audit Initiative Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%		
7	Efficiency Equipment Replacement Incentive Initiative Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
8	Direct Install Lighting and Water Heating Initiative Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
9	New Construction and Major Renovation Initiative Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
10	Existing Building Commissioning Incentive Initiative Adjustment to 2017 savings	Verified True-up															3 3		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
11	Industrial Program Process and Systems Upgrades Initiatives - Pilot Incentive Initiative Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
14	Low Income Program Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
15	Other Appliance Conservation Program Adjustment to 2017 savings	Verified True-up															0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
16	Program Enabled Savings Adjustment to 2017 savings	Verified True-up															0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
17	Conservation Fund Pilot Conservation Fund Pilot - EnerNOC Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
18	Libraries Pilot Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
19	Conservation Fund Pilot - SEG Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
20	Social Benchmarking Pilot Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
21	Conservation Fund Framework Residential Province-Wide Program Save on Energy Program Adjustment to 2017 savings	Verified True-up	1,195,766	915,765	915,765	915,765	915,765	915,765	915,765	915,765	915,752	915,752	914,529				83 15	64 64	64 64	64 64	64 64	64 64	64 64	64 64	64 64	64 64	64 64	64 64	64 64	64 64	100.00% 100.00%	100%	
22	Save on Energy Heating and Cooling Program Adjustment to 2017 savings	Verified True-up	67,894	67,894	67,894	67,894	67,894	67,894	67,894	67,894	67,894	67,894	67,894				19 15	19 19	19 19	19 19	19 19	19 19	19 19	19 19	19 19	19 19	19 19	19 19	19 19	19 19	100.00% 100.00%	100%	
23	Save on Energy New Construction Program Adjustment to 2017 savings	Verified True-up																	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
24	Save on Energy Home Assistance Program Adjustment to 2017 savings	Verified True-up	10,395	10,395	10,395	10,395	10,395	10,395	10,395	10,395	10,395	10,395	10,395				1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	100.00% 100.00%	100%	
25	Non-Residential Province-Wide Program Save on Energy Audit Funding Program Adjustment to 2017 savings	Verified True-up															12 15		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
26	Save on Energy Retrofit Program Adjustment to 2017 savings	Verified True-up	1,795,912	899,958	899,958	899,958	899,958	899,958	899,958	899,958	899,958	899,958	899,958				12 12	420 15	421 421	421 421	421 421	421 421	414 414	414 414	414 414	414 414	414 414	414 414	414 414	14.80% 14.80%	86.11% 85.11%	100.00% 100.00%	100%
27	Save on Energy Small Business Lighting Program Adjustment to 2017 savings	Verified True-up	596,919	596,919	596,439	593,836	580,079	556,009	484,342	410,443	247,531	127,009					12 12	146 146	146 146	145 145	145 145	140 129	113 71	38 38					92.13% 7.87%	7.87% 0.00%	100.00% 100.00%	100%	
28	Save on Energy High Performance New Construction Program Adjustment to 2017 savings	Verified True-up	53,016	53,016	53,016	53,016	53,016	53,016	53,016	53,016	53,016	53,016					12 12	10 10	10 10	10 10	10 10	10 10	10 10	10 10	10 10	10 10	10 10	10 10	10 10	100.00% 100.00%	100%		
29	Save on Energy Existing Building Commissioning Program Adjustment to 2017 savings	Verified True-up															3 3		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
30	Save on Energy Process & Systems Upgrades Program Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%	
31	Save on Energy Monitoring & Targeting Program Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
32	Save on Energy Energy Manager Program Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
33	Local & Regional Program Business Refrigeration Local Program Adjustment to 2017 savings	Verified True-up															0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
34	First Nation Conservation Local Program Adjustment to 2017 savings	Verified True-up															0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
35	Social Benchmarking Local Program Adjustment to 2017 savings	Verified True-up															0 0		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
36	Pilot Programs Ontario Hydro Mainstage Inc. - Performance-Based Conservation Pilot Program - Conservation Fund Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
37	Enviu Utilities Ltd. - Building Optimization Pilot Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
38	Enviu Utilities Ltd. - Re-Invest Pilot Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
39	Horizon Utilities Corporation - ECM Furnace Motor Pilot Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
40	Horizon Utilities Corporation - Social Benchmarking Pilot Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
41	Hydro Ottawa Limited - Conservation Voltage Regulation (CVR) Leveraging AMI Data Pilot Adjustment to 2017 savings	Verified True-up															12 12		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
42	Hydro Ottawa Limited - Residential Demand Response W-F Thermal Pilot Adjustment to 2017 savings	Verified True-up																	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0%
43	Richener-Wind Hydro Inc. - Pilot - DCRV	Verified															12															0%	

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Note: LDC to make note of key assumptions included above



Version 5.0 (2021)

Legend

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

Instructions

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

Table 6. Prescribed Interest Rates

Quarter	Approved Deferral & Variance Accounts
2011 01	1.47%
2011 02	1.47%
2011 03	1.47%
2011 04	1.47%
2012 01	1.47%
2012 02	1.47%
2012 03	1.47%
2012 04	1.47%
2013 01	1.47%
2013 02	1.47%
2013 03	1.47%
2013 04	1.47%
2014 01	1.47%
2014 02	1.47%
2014 03	1.47%
2014 04	1.47%
2015 01	1.47%
2015 02	1.10%
2015 03	1.10%
2015 04	1.10%
2016 01	1.10%
2016 02	1.10%
2016 03	1.10%
2016 04	1.10%
2017 01	1.10%
2017 02	1.10%
2017 03	1.10%
2017 04	1.50%
2018 01	1.50%
2018 02	1.89%
2018 03	1.89%
2018 04	2.17%
2019 01	2.45%
2019 02	2.18%
2019 03	2.18%
2019 04	2.18%
2020 01	2.18%
2020 02	2.18%
2020 03	0.57%
2020 04	0.57%
2021 01	
2021 02	
2021 03	
2021 04	
2022 01	
2022 02	
2022 03	
2022 04	
2023 01	
2023 02	
2023 03	
2023 04	
2024 01	
2024 02	
2024 03	
2024 04	
2025 01	
2025 02	
2025 03	
2025 04	

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

[Go to Tab 1: Summary](#)

Month		Period	Quarter	Monthly Rate	Residential	GS<50 kW	GS 50 - 4,999 kW	Large Use	Unmetered	Street Lights								Total
Jan-11		2011	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-11		2011	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mar-11		2011	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Apr-11		2011	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
May-11		2011	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jun-11		2011	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jul-11		2011	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Aug-11		2011	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sep-11		2011	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Oct-11		2011	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Nov-11		2011	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dec-11		2011	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total for 2011					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared																		
Opening Balance for 2012					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-12	2011-2012	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-12	2011-2012	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mar-12	2011-2012	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Apr-12	2011-2012	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
May-12	2011-2012	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jun-12	2011-2012	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jul-12	2011-2012	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Aug-12	2011-2012	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sep-12	2011-2012	Q3	0.12%	\$0.00	\$0.00	\$0.												

Check OEB website

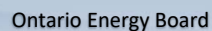
Jul-15	2011-2015	Q3	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Aug-15	2011-2015	Q3	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sep-15	2011-2015	Q3	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Oct-15	2011-2015	Q4	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Nov-15	2011-2015	Q4	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dec-15	2011-2015	Q4	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total for 2015				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared																		
Opening Balance for 2016				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-16	2011-2016	Q1	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-16	2011-2016	Q1	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mar-16	2011-2016	Q1	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Apr-16	2011-2016	Q2	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
May-16	2011-2016	Q2	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jun-16	2011-2016	Q2	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jul-16	2011-2016	Q3	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Aug-16	2011-2016	Q3	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sep-16	2011-2016	Q3	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Oct-16	2011-2016	Q4	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Nov-16	2011-2016	Q4	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dec-16	2011-2016	Q4	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total for 2016				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared																		
Opening Balance for 2017				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-17	2011-2017	Q1	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-17	2011-2017	Q1	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Mar-17	2011-2017	Q1	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Apr-17	2011-2017	Q2	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
May-17	2011-2017	Q2	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jun-17	2011-2017	Q2	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jul-17	2011-2017	Q3	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Aug-17	2011-2017	Q3	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sep-17	2011-2017	Q3	0.09%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Oct-17	2011-2017	Q4	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Nov-17	2011-2017	Q4	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Dec-17	2011-2017	Q4	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total for 2017				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared																		
Opening Balance for 2018				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-18	2011-2018	Q1	0.13%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Feb-18	2011-2018	Q1	0.13%	\$1.27	\$2.62	\$4.14	\$0.00	\$0.00	\$3.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11.39
Mar-18	2011-2018	Q1	0.13%	\$2.55	\$5.25	\$8.27	\$0.00	\$0.00	\$6.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.78
Apr-18	2011-2018	Q2	0.16%	\$4.81	\$9.82	\$15.63	\$0.00	\$0.00	\$12.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.06
May-18	2011-2018	Q2	0.16%	\$6.41	\$13.23	\$20.84	\$0.00	\$0.00	\$16.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$57.40
Jun-18	2011-2018	Q2	0.16%	\$8.02	\$16.53	\$26.06	\$0.00	\$0.00	\$21.14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$71.74
Jul-18	2011-2018	Q3	0.16%	\$9.62	\$19.84	\$31.27	\$0.00	\$0.00	\$25.37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$86.09
Aug-18	2011-2018	Q3	0.16%	\$11.22	\$23.15	\$36.48	\$0.00	\$0.00	\$29.59	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$100.44
Sep-18	2011-2018	Q3	0.16%	\$12.83	\$26.45	\$41.69	\$0.00	\$0.00	\$33.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$114.79
Oct-18	2011-2018	Q4	0.18%	\$16.57	\$34.17	\$53.85	\$0.00	\$0.00	\$43.69	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$148.27
Nov-18	2011-2018	Q4	0.18%	\$18.41	\$37.96	\$59.83	\$0.00	\$0.00	\$48.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$164.75
Dec-18	2011-2018	Q4	0.18%	\$20.25	\$41.76	\$65.82	\$0.00	\$0.00	\$53.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$181.22
Total for 2018				\$111.96	\$230.87	\$363.88	\$0.00	\$0.00	\$295.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,001.92
Amount Cleared																		
Opening Balance for 2019				\$111.96	\$230.87	\$363.88	\$0.00	\$0.00	\$295.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,001.92
Jan-19	2011-2019	Q1	0.20%	\$24.94	\$51.43	\$81.06	\$0.00	\$0.00	\$65.77	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$223.20
Feb-19	2011-2019	Q1	0.20%	\$25.39	\$56.19	\$86.83	\$0.00	\$0.00	\$67.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$236.23
Mar-19	2011-2019	Q1	0.20%	\$25.84	\$60.95	\$92.59	\$0.00	\$0.00	\$69.88	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$249.26
Apr-19	2011-2019	Q2	0.18%	\$23.39	\$58.47	\$87.51	\$0.00	\$0.00	\$64.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$233.38
May-19	2011-2019	Q2	0.18%	\$23.79	\$62.70	\$92.64	\$0.00	\$0.00	\$65.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$244.98
Jun-19	2011-2019	Q2	0.18%	\$24.19	\$66.93	\$97.77	\$0.00	\$0.00	\$67.67	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$256.57
Jul-19	2011-2019	Q3	0.18%	\$24.59	\$71.17	\$102.90	\$0.00	\$0.00	\$69.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$268.16
Aug-19	2011-2019	Q3	0.18%	\$24.99	\$75.40	\$108.03	\$0.00	\$0.00	\$71.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$279.75
Sep-19	2011-2019	Q3	0.18%	\$25.39	\$79.63	\$113.15	\$0.00	\$0.00	\$73.17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$291.35
Oct-19	2011-2019	Q4	0.18%	\$25.79	\$83.87	\$118.28	\$0.00	\$0.00	\$75.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$302.94
Nov-19	2011-2019	Q4	0.18%	\$26.19	\$88.10	\$123.41	\$0.00	\$0.00	\$76.83	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$314.53
Dec-19	2011-2019	Q4	0.18%	\$26.59	\$92.34	\$128.54	\$0.00	\$0.00	\$78.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$326.12
Total for 2019				\$413.08	\$1,078.06	\$1,596.59	\$0.00	\$0.00	\$1,140.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,228.41
Amount Cleared																		
Opening Balance for 2020				\$413.08	\$1,078.06	\$1,596.59	\$0.00	\$0.00	\$1,140.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,228.41
Jan-20	2011-2020	Q1	0.18%	\$26.99	\$96.57	\$133.67	\$0.00	\$0.00	\$80.49	\$0.								

- ✓ User Inputs (Green)
- ✓ Drop Down List (Blue)
- ✓ Labels (Grey)

1. Columns B to H of this table have been structured in a way to match the formatting of the performance report provided by the ESDO. Please copy and paste the program information by initiative in Column B to H and the corresponding demand and energy savings data by initiative in Columns I to BT of this table. Note:
2. Please identify the type of report that the display will be Column I.
3. To include the distribution of adjustments that will appear as a percentage per each month, right-click on all cells in column I and select copy representation year (Column H). This can be done by clicking on the first cell of cell H20 (highlighted in yellow). Before you click, please ensure that all table columns have been correctly used and that the report appears as a column per month. If you are not able to find the equivalent in Column I, contact your advisor to be identified with an implementation year for the duration of the year of the performance report. A savings adjustment metric identified with a year year representation in the Month year's results report.
4. Please identify only in the significant savings and adjustments (Column I) 8% for all applicable initiatives in Columns J and K and 4% for all initiatives.
- NOTE:** The first 100th Percent Savings table and the 100th Percent Savings table below are to be the same under the assumption that the data in the table below have been provided by the ESDO.

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

[illegible]



LRAMVA Work Form: Documentation for Streetlighting Projects

Version 5.0 (2021)

Legend

User Inputs (Green)

Instructions

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

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

Table 8-a: Name of Municipality

Summary of Project #1

Actual lost revenue based on kW billing				
Month	Billed amount (kW)	Gross kW reduction	Net to Gross Ratio	Net kW reduction
	a	b	c	b * c
Jan 20xx	0.00			
Feb 20xx	0.00	0.00		0
Mar 20xx				
Apr 20xx				
May 20xx				
June 20xx				
Jul 20xx				
Aug 20xx				
Sep 20xx				
Oct 20xx				
Nov 20xx				
Dec 20xx				
Total				0
Persistence in 20XX				
Persistence in 20XX				
Persistence in 20XX				
Persistence in 20XX				

Details of Project #1 (Month, Year)

Pre-conversion billing demand

[illegible]

Post-conversion billing demand

Fixture type	Billing Wattage (kW) d_i	Quantity e_i	Billed amount (kW) $d_i * e_i$
Total			0.00

1 **Appendix 5 – NOTLH Tariff Sheet - May 1, 2020 - Vary Order**

2

VARY ORDER

EB-2019-0056

NIAGARA-ON-THE-LAKE HYDRO INC.

Order Varying the Decision and Order issued on April 16, 2020

Application for rates and other charges to be effective May 1, 2020

By Delegation, Before: Pascale Duguay

April 28, 2020

INTRODUCTION AND SUMMARY

The Ontario Energy Board (OEB) has, on its own motion, pursuant to section 41 of the OEB's *Rules of Practice and Procedure*, decided to review and vary its Decision and Rate Order in this proceeding issued on April 16, 2020 (Decision).

The Decision approved the incentive rate-setting mechanism application filed by Niagara-on-the-Lake Hydro Inc. for new rates effective May 1, 2020. In light of the uncertainty regarding the severity and duration of the COVID-19 emergency, the Decision also granted Niagara-on-the-Lake Hydro Inc. the option to postpone implementation of its new rates until November 1, 2020.

On April 23, 2020, Niagara-on-the-Lake Hydro Inc. filed a letter with the OEB, advising that the utility intends to implement the Tariff of Rates and Charges set out in Schedule A of the Decision effective May 1, 2020 with the exception of the new Service Charges and Distribution Volumetric Rates. Niagara-on-the-Lake Hydro Inc. stated the following:

Please note, NOTL Hydro does not plan on implementing the revised Service Charges and Distribution Volumetric Rate on May 1, 2020. NOTL Hydro will continue to charge the existing rates, which are lower, and the new rates will be implemented on a later date to be determined by the Board of NOTL Hydro. NOTL Hydro does not plan on recording the lost revenue from the delay in implementing these new rates to the variance account 1509. That cost will be borne by the shareholder.

THE PROCESS

The OEB has decided, pursuant to sections 6(4) and 21(4) of the *Ontario Energy Board Act, 1998*, to review and vary the Decision and Rate Order without a hearing as no person will be adversely impacted by the outcome of this proceeding.

OEB FINDINGS

The OEB finds that Niagara-on-the-Lake Hydro Inc.'s proposal is in the public interest. It is necessary to vary the Decision such that Niagara-on-the-Lake Hydro Inc. shall be authorized to postpone the implementation of its new distribution base rates (Service Charges and Distribution Volumetric Rates) until a later date. Given that the cost will be borne by the shareholder, the utility is not required to record the forgone revenue from the delay in implementing these new rates to the variance account 1509. With this Vary Order, the OEB is also issuing a revised Tariff of Rates and Charges.

THE ONTARIO ENERGY BOARD ORDERS THAT:

1. The Decision and Rate Order in EB-2019-0056, issued April 16, 2020, is varied such that paragraphs 1 through 5 of the Order section are replaced, in their entirety, with the following:
 1. The Tariff of Rates and Charges set out in Schedule A of this Decision and Rate Order is approved effective May 1, 2020 for electricity consumed or estimated to have been consumed on and after such date.
 2. In light of the COVID-19 emergency, Niagara-on-the-Lake Hydro Inc. may postpone implementation of the portion of the Tariff of Rates and Charges relating to Service Charges and Distribution Volumetric Rates, to a later date to be determined by the utility; and, until such time, Niagara-on-the-Lake Hydro Inc. shall continue to charge current (2019) Service Charges and Distribution Volumetric Rates.
 3. Niagara-on-the-Lake Hydro Inc. is not required to record any temporarily forgone distribution revenue associated with the postponement, referred to in paragraph 2, in Account 1509 - Impacts Arising from the COVID-19 Emergency, Sub-account Lost Revenues, given that the utility's customers will not bear the cost of the postponement.
 4. Niagara-on-the-Lake Hydro Inc. shall notify its customers of the rate changes no later than the delivery of the first bill reflecting the new final rates.
 5. Niagara-on-the-Lake Hydro Inc. shall notify the OEB 14 days prior to implementing the portion of the Tariff of Rates and Charges relating to Service Charges and Distribution Volumetric Rates Service.
2. The Decision and Rate Order in EB-2019-0056, issued April 16, 2020, is varied such that the Tariff of Rates and Charges attached thereto as Schedule A, is replaced in its entirety with the updated Tariff of Rates and Charges set out in Schedule A, attached hereto.

DATED at Toronto April 28, 2020

ONTARIO ENERGY BOARD

Original Signed By

Christine E. Long
Registrar and Board Secretary

Schedule A

To Decision and Rate Order

Tariff of Rates and Charges

OEB File No: EB-2019-0056

DATED: April 28, 2020

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

RESIDENTIAL SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	28.74
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2021	\$	0.21
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$	0.39
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021 Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kWh	0.0003
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0078
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016

MONTHLY RATES AND CHARGES - Regulatory Component

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

Originally Issued - April 16, 2020

Varied - April 28, 2020

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	39.41
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0117
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021 Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kWh	0.0004
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kWh	0.0005
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2021	\$/kWh	0.0005
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016

MONTHLY RATES AND CHARGES - Regulatory Component

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

Originally Issued - April 16, 2020

Varied - April 28, 2020

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than 50 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	281.65
Distribution Volumetric Rate	\$/kW	2.3574
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021 Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kW	0.1645
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kW	0.2008

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Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2021	\$/kW	0.1343
Retail Transmission Rate - Network Service Rate	\$/kW	2.9048
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.5347
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.1394
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.2861

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

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EB-2019-0056

LARGE USE SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	3,692.18
Distribution Volumetric Rate	\$/kW	2.3574
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021		
Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kW	0.1555
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kW	0.2008
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.1394
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered (see Note 1)	\$/kW	1.2861

MONTHLY RATES AND CHARGES - Regulatory Component

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

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Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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EB-2019-0056

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per customer)	\$	21.20
Distribution Volumetric Rate	\$/kWh	0.0054
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021 Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kWh	0.0004
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kWh	0.0005
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016

MONTHLY RATES AND CHARGES - Regulatory Component

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

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Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

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EB-2019-0056

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established by an approved Ontario Energy Board process. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	7.85
Distribution Volumetric Rate	\$/kW	1.8891
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021 Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kW	0.1436
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kW	0.1852
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2021	\$/kW	13.1960
Retail Transmission Rate - Network Service Rate	\$/kW	2.1903
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.4134

MONTHLY RATES AND CHARGES - Regulatory Component

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

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Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

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EB-2019-0056

STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation or Load Displacement Storage that requires Niagara-on-the-Lake Hydro to provide back-up service. Standby Charges are to be applied to behind-the-meter generators that have a nameplate capacity greater than or equal to 500kW and are not IESO market participants or IESO program participants (FIT, MicroFIT, SOP etc.) which have their own metering and settlement conventions as per regulation and legislation. For the purpose of this rate classification the term "generator" shall include electricity storage devices used for the primary purpose of Load Displacement. 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 changes, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment, and the HST.

MONTHLY RATES AND CHARGES

Standby Charges are based on applicable monthly General Service > 50kW to 4,999 kW or Large Use Distribution Volumetric Charges, depending on the rate classification of the generator host facility.

Distribution Charges on the generator host facility's load account will be determined by multiplying the peak hourly delivered load as measured by the load account meter in kW by applicable variable charges for the rate class. Standby Charges will be determined by multiplying the peak coincident combined kW delivered by both the distribution system and the generator, less the peak hourly delivered load in kW of the host customer facility as measured by the generator host load account meter.

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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EB-2019-0056

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	10.00
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ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.56)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	(1.00)

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Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

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EB-2019-0056

SPECIFIC SERVICE CHARGES

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

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

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

Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Pulling post dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement letter	\$	15.00
Account history	\$	15.00
Credit check (plus credit agency costs)	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	190.00

Non-Payment of Account

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily)	%	1.50
Reconnection at meter - during regular hours	\$	95.00
Reconnection at meter - after regular hours	\$	320.00
Reconnection at pole - during regular hours	\$	185.00
Reconnection at pole - after regular hours	\$	610.00

Other

Service call - customer-owned equipment - during regular hours	\$	30.00
Service call - customer-owned equipment - after regular hours	\$	320.00
Temporary service - install & remove - overhead - no transformer	\$	Variable
Temporary service - install & remove - underground - no transformer	\$	Variable
Temporary service - install & remove - overhead - with transformer	\$	Variable
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	44.50

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TARIFF OF RATES AND CHARGES

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EB-2019-0056

RETAIL SERVICE CHARGES (if applicable)

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

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

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

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the 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	\$	102.00
Monthly fixed charge, per retailer	\$	40.80
Monthly variable charge, per customer, per retailer	\$/cust.	1.02
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.51
Processing fee, per request, applied to the requesting party	\$	1.02
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	4.08
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.04

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	1.0373
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0275
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

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Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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approved schedules of Rates, Charges and Loss Factors**

EB-2019-0056

NOTES

1) The Billing Demand for Line and Transformation Connection Services and Low Voltage Services is defined as the Non-Coincident Peak demand (MW) in any hour of the month. The customer demand in any hour is the sum of (a) the loss-adjusted demand supplied from the distribution system plus (b) the demand that is supplied by embedded generation installed after October 30, 1998, which have installed capacity of 2MW or more for renewable generation and 1 MW or higher for non-renewable generation. The term renewable generation refers to a facility that generates electricity from the following sources: wind, solar, Biomass, Bio-oil, Bio-gas, landfill gas, or water. The demand supplied by embedded generation will not be adjusted for loss.

1 **Appendix 6 – NOTLH Tariff Sheet - Implemented November 1,**
2 **2020 – Decision and Order**
3

DECISION AND RATE ORDER

EB-2019-0056

NIAGARA-ON-THE-LAKE HYDRO INC.

Application for rates and other charges to be effective May 1, 2020

By Delegation, Before: Pascale Duguay

April 16, 2020

1 INTRODUCTION AND SUMMARY

Through this Decision and Rate Order, the Ontario Energy Board (OEB) approves the incentive rate-setting mechanism (IRM) application filed by Niagara-on-the-Lake Hydro Inc. (Niagara-on-the-Lake Hydro) for new rates effective May 1, 2020.

Niagara-on-the-Lake Hydro serves approximately 9,300 mostly residential and commercial electricity customers in the Town of Niagara-on-the-Lake. The company is seeking the OEB's approval for the rates it charges to distribute electricity to its customers, as is required of licensed and rate-regulated distributors in Ontario.

A distributor may choose one of three rate-setting methodologies approved by the OEB. Each of these is explained in the [Handbook for Utility Rate Applications](#).

Niagara-on-the-Lake Hydro's application is based on a Price Cap Incentive Rate-setting option (Price Cap IR), with a five-year term. The Price Cap IR option involves the setting of rates through a cost of service application in the first year. Mechanistic price cap adjustments, based on inflation and the OEB's assessment of the distributor's efficiency, are typically then approved through IRM applications in each of the ensuing four (adjustment) years.

As a result of the OEB's findings in this Decision, there will be a monthly total bill increase of \$2.12 before taxes and the Ontario Electricity Rebate¹ for a residential customer consuming 750 kWh, effective May 1, 2020.

2 THE PROCESS

This Decision is being issued by delegated authority, without a hearing, under section 6 of the *Ontario Energy Board Act, 1998* (the OEB Act).

The OEB follows a standardized and streamlined process for hearing IRM applications filed under Price Cap IR. In each adjustment year of a Price Cap IR term, the OEB prepares a Rate Generator Model that includes, as a placeholder, information from the distributor's past proceedings and annual reporting requirements.² A distributor will then review and complete the Rate Generator Model, and include it with its application.

¹ O. Reg 363/16, s. 3, effective November 1, 2019

² The Rate Generator Model is a Microsoft Excel workbook that is used to update base rates, retail transmission service rates and, if applicable, shared tax saving adjustments. It also calculates rate riders for the disposition of deferral and variance account balances. During the course of an IRM proceeding, the Rate Generator Model may be updated in order to make any necessary corrections, or to incorporate new rate-setting parameters as they become available.

Niagara-on-the-Lake Hydro filed its application on October 8, 2019 under section 78 of the OEB Act and in accordance with the Chapter 3 of the OEB's [Filing Requirements for Incentive Rate-Setting Applications](#) (Filing Requirements) and [Addendum to Filing Requirements for Electricity Distribution Rate Applications](#).

The application was supported by pre-filed written evidence and a completed Rate Generator Model. During the course of the proceeding, the applicant responded to OEB staff questions through emails and phone calls and, where required, updated and clarified the evidence.

3 ORGANIZATION OF THE DECISION

In this Decision, the OEB addresses the following issues, and provides reasons for approving or denying Niagara-on-the-Lake Hydro's proposals relating to each of them:

- Price Cap Adjustment
- Revenue-to-Cost Ratio Adjustments
- Retail Transmission Service Rates
- Group 1 Deferral and Variance Accounts

In the final section, the OEB addresses the steps to implement the final rates that flow from this Decision.

This Decision does not address rates and charges approved by the OEB in previous proceedings, which are not part of the scope of an IRM proceeding (such as specific service charges³ and loss factors). No further approvals are required to continue to include these items on a distributor's Tariff of Rates and Charges.

4 PRICE CAP ADJUSTMENT

Niagara-on-the-Lake Hydro seeks to increase its rates, effective May 1, 2020, based on a mechanistic rate adjustment using the OEB-approved ***inflation minus X-factor*** formula applicable to Price Cap IR applications.

³ Specific service charges have been amended by the OEB through: the Report of the OEB – "Wireline Pole Attachment Charges", EB-2015-0304, Issued March 22, 2018; and, the Decision and Order on Energy Retail Service Charges EB-2015-0304, Issued on February 14, 2019. Certain Service Charges are subject to annual inflationary adjustments to be determined by the OEB through a generic order. The Decision and Order EB-2019-0280 issued November 28, 2019 for energy retailer service charges, and the cover letter dated November 28, 2019 "Inflation Adjustment for Energy Retailer Service Charges (EB-2019-0280) and Wireline Pole Attachment Charge (EB-2015-0304) for Electricity Distributors", established the adjustments effective January 1, 2020.

The components of the Price Cap IR adjustment formula applicable to Niagara-on-the-Lake Hydro are set out in Table 4.1, below. Inserting these components into the formula results in a 1.70% increase to Niagara-on-the-Lake Hydro's rates: **1.70% = 2.00% - (0.00% + 0.30%)**.

Table 4.1: Price Cap IR Adjustment Formula

Components		Amount
Inflation Factor ⁴		2.00%
X-Factor	Productivity ⁵	0.00%
	Stretch (0.00% – 0.60%) ⁶	0.30%

The inflation factor of 2.00% applies to all Price Cap IR applications for the 2020 rate year.

The X-factor is the sum of the productivity factor and the stretch factor. It is a productivity offset that will vary among different groupings of distributors. Subtracting the X-factor from inflation ensures that rates decline in real, constant-dollar terms, providing distributors with a tangible incentive to improve efficiency or else experience declining net income.

The productivity component of the X-factor is based on industry conditions over a historical study period and applies to all Price Cap IR and Annual IR Index applications for the 2020 rate year.

The stretch factor component of the X-factor is distributor specific. The OEB has established five stretch factor groupings, each within a range from 0.00% to 0.60%. The stretch factor assigned to any particular distributor is based on the distributor's total cost performance as benchmarked against other distributors in Ontario. The most efficient distributor would be assigned the lowest stretch factor of 0.00%. Conversely, a higher stretch factor would be applied to a less efficient distributor (in accordance with its cost

⁴ For the 2020 Inflation Factor, see Ontario Energy Board 2020 Electricity Distribution Rate applications webpage - October 31, 2019.

⁵ Report of the OEB – “Rate Setting Parameters and Benchmarking under the Renewed Regulatory Framework for Ontario’s Electricity Distributors”, EB-2010-0379, Issued November 21, 2013, corrected December 4, 2013

⁶ The stretch factor groupings are based on the Report to the Ontario Energy Board – “Empirical Research in Support of Incentive Rate-Setting: 2018 Benchmarking Update”, prepared by Pacific Economics Group LLC., August 15, 2019.

performance relative to expected levels) to reflect the incremental productivity gains that the distributor is expected to achieve. The stretch factor assigned to Niagara-on-the-Lake Hydro is 0.30%.

Findings

The OEB finds that Niagara-on-the-Lake Hydro's request for a 1.70% rate adjustment is in accordance with the annually updated parameters set by the OEB. The adjustment is approved, and Niagara-on-the-Lake Hydro's new rates shall be effective May 1, 2020.

The adjustment applies to distribution rates (fixed and variable) uniformly across all customer classes.⁷

5 REVENUE-TO-COST RATIO ADJUSTMENTS

A revenue-to-cost ratio measures the relationship between the revenues that a distributor expects to receive from a class of customers and the level of costs allocated to that class. Generally, an increase to the revenue-to-cost ratio of one rate class will result in a decrease to the ratio of one or more of the other rate classes. A distributor may seek to adjust its revenue-to-cost ratios during an IRM term, in accordance with OEB-established target ranges, if the adjustment was approved by the OEB in a previous proceeding.⁸

In this proceeding, Niagara-on-the-Lake Hydro proposes an increase to the revenue-to-cost ratios for the Residential service classification. The additional revenues from these adjustments would be used to reduce the revenue-to-cost ratios for the Street Lighting service classification. These adjustments are to implement a previous decision from the OEB.⁹

Table 5.1, below, outlines the revenue-to-cost ratios for which the applicant seeks approval for the 2020 rate year.

⁷ Price Cap IR and Annual IR Index adjustments do not apply to the following rates and charges: rate riders, rate adders, low voltage service charges, retail transmission service rates, wholesale market service rate, smart metering entity charge, rural or remote electricity rate protection charge, standard supply service – administrative charge, transformation and primary metering allowances, loss factors, specific service charges, microFIT charge, and retail service charges.

⁸ Report of the OEB – “Application of Cost Allocation for Electricity Distributors”, EB-2007-0667, November 28, 2007; and, Report of the Board – “Review of Electricity Distribution Cost Allocation Policy”, EB-2010-0219, March 31, 2011

⁹ EB-2018-0056, Decision and Order, April 11, 2019

Table 5.1: Revenue-to-Cost Ratios

Rate Classification	2019 Ratio (%)	Proposed 2020 Ratio (%)
Residential	91.06	91.57
General Service Less Than 50 kW	109.91	109.91
General Service 50 to 4,999 kW	116.81	116.81
Large Use	100.00	100.00
Unmetered Scattered Load	114.68	114.68
Street Lighting	130.00	120.00

Findings

The OEB agrees that the proposed adjustments for the 2020 rate year are consistent with the OEB's findings in its decision for Niagara-on-the-Lake Hydro's 2019 rates. Niagara-on-the-Lake Hydro's revenue-to-cost ratios are approved, as set out in Table 5.1 above.

6 RETAIL TRANSMISSION SERVICE RATES

Distributors charge retail transmission service rates (RTSRs) to their customers in order to recover the amounts they pay to a transmitter, a host distributor, or both, for transmission services. All transmitters charge Uniform Transmission Rates (UTRs) to distributors connected to the transmission system. Host distributors charge host-RTSRs to distributors embedded within the host's distribution system. Each of these rates are OEB-approved.

Niagara-on-the-Lake Hydro is transmission connected and is requesting approval to adjust the RTSRs that it charges its customers to reflect the currently approved rates that it pays for transmission services included in Table 6.1.

Table 6.1: UTRs¹⁰

UTRs (2020)	per kW
Network Service Rate	\$3.92
<u>Connection Service Rates</u>	
Line Connection Service Rate	\$0.97

Findings

Niagara-on-the-Lake Hydro's proposed adjustment to its RTSRs is approved. The RTSRs were adjusted based on the interim 2020 UTRs, which were incorporated into the rate model to adjust the RTSRs that Niagara-on-the-Lake Hydro will charge its customers.

Any differences resulting from the approval of final 2020 UTRs will be captured in Accounts RSVA – Retail Transmission Network charge 1584 and Retail Transmission Connection charge 1586.

7 GROUP 1 DEFERRAL AND VARIANCE ACCOUNTS

In each year of an IRM term, the OEB will review a distributor's Group 1 deferral and variance accounts in order to determine whether their total balance should be disposed.¹¹ OEB policy requires that Group 1 accounts be disposed if they exceed (as a debit or credit) a pre-set disposition threshold of \$0.001 per kWh, unless a distributor justifies why balances should not be disposed.¹² If the balance does not exceed the threshold, a distributor may elect to request disposition.

The 2018 actual year-end total balance for Niagara-on-the-Lake Hydro's Group 1 accounts including interest projected to April 30, 2020 is a debit of \$300,641. This amount represents a total debit claim of \$0.0013 per kWh, which exceeds the disposition threshold. Niagara-on-the-Lake Hydro has requested disposition of this debit amount over a one- year period.

¹⁰ EB-2019-0296, Decision and Interim Rate Order, December 19, 2019

¹¹ Group 1 accounts track the differences between the costs that a distributor is billed for certain IESO and host distributor services (including the cost of power) and the associated revenues that the distributor receives from its customers for these services. The total net difference between these costs and revenues is disposed to customers through a temporary charge or credit known as a rate rider.

¹² Report of the OEB – "Electricity Distributors' Deferral and Variance Account Review Initiative (EDDVAR)", EB-2008-0046, July 31, 2009

a) Global Adjustment Variance Account

One of the components of the commodity costs billed by the Independent Electricity System Operator (IESO), which is included in Group 1 accounts, is the Global Adjustment (GA).¹³

Different customer groups pay the GA in different ways:

- For Regulated Price Plan (RPP) customers, the GA is incorporated into the standard commodity rates customers pay. Therefore, there is no separate variance account for the GA.
- "Class A" customers are allocated GA costs based on the percentage their demand contributes to the top five Ontario system peaks. As distributors settle with Class A customers based on actual GA costs, there is no resulting variance.
- "Class B" non-RPP customers are billed GA based on the electricity they consume in a month at the IESO published GA price. Distributors track any difference between the billed amounts and actual costs for these customers in the GA Variance Account for disposal, once audited.

Under the general principle of cost causality, customer groups that cause variances which are recorded in Group 1 accounts should be responsible for paying (or receiving credits) for their disposal. A customer's movement from one group to another should not prevent that customer from paying/receiving a debit/credit balance.

Niagara-on-the-Lake Hydro proposes the recovery of its GA variance account balance of \$218,596 as at December 31, 2018, including interest to April 30, 2020, in accordance with the following table.

¹³ The GA is established monthly by the IESO to reflect the difference between the wholesale market price for electricity and regulated rates for:

- Ontario Power Generation's nuclear and hydroelectric generating stations
- payments for building or refurbishing infrastructure such as gas-fired and renewable facilities and other nuclear
- contracted rates paid to a number of generators across the province
- the cost of delivering conservation programs

Table 7.1: Recovery of GA Variance

Proposed Amounts	Proposed Method for Recovery
\$190,842 recovered from customers who were Class B for the entire period from January 2018 to December 2018	per kWh rate rider
\$20,886 recovered from customers formerly in Class B during the period January 2018 to June 2018 who were reclassified to Class A	12 equal installments ¹⁴
\$6,869 recovered from customers formerly in Class A during the period January 2018 to June 2018 who were reclassified to Class B	12 equal installments ¹⁵

b) Capacity Based Recovery Class B Sub-account

The balance of the Group 1 accounts includes the Capacity Based Recovery (CBR) sub-account for Class B customers of \$6,804, relating to the IESO's wholesale energy market for the CBR program. Niagara-on-the-Lake Hydro had Class A customers during the period from January 2018 to December 2018 but the CBR Class B rate riders calculated rounded to zero at the fourth decimal place in one or more of the rate classes. In this event, the entire Account 1580 sub-account CBR Class B is added to the Account 1580 – Wholesale Market Service Charge control account to be disposed through the general purpose Group 1 Deferral and Variance Account.

c) Group 1 Accounts

The Group 1 accounts being sought for disposition (excluding global adjustment) include the following flow through variance accounts: Smart Meter Entity Charges, Wholesale Market Service Charges, Retail Transmission Service Charges, and Commodity Power Charges. These Group 1 accounts have a total debit balance of \$82,045, which results in a charge to customers. This balance combined with the balance for the global adjustment account results in the total debit balance for Group 1 accounts of \$300,641.

The balances proposed for disposition reconcile with the amounts reported as part of the OEB's *Electricity Reporting and Record-Keeping Requirements*.¹⁶ Niagara-on-the-

¹⁴ 2020 IRM Rate Generator Model, Tab 6.1a "GA Allocation"

¹⁵ *Ibid.*

¹⁶ Electricity Reporting and Record Keeping Requirements, Version dated May 3, 2016

Lake Hydro further submits that its proposal for a one-year disposition period is in accordance with the OEB's policy.¹⁷

In 2018, the OEB suspended its approvals of Group 1 rate riders on a final basis pending the development of further accounting guidance on commodity pass-through variance accounts.¹⁸ The OEB issued accounting guidance¹⁹ on the commodity accounts on February 21, 2019. In this letter, the OEB indicated that it expects distributors to consider the accounting guidance in the context of historical balances that have not yet been disposed on a final basis. Distributors are expected to make any adjustments needed prior to filing for final disposition.

In its 2019 rate application, Niagara-on-the-Lake Hydro received approval to dispose of 2017 Group 1 balances on an interim basis. Niagara-on-the-Lake Hydro has reviewed the 2017 balances and the 2018 balances in the context of the new accounting guidance and stated that it is confident that there are no systemic issues in its RPP settlement and related accounting processes. As a result, Niagara-on-the-Lake Hydro has requested final disposition of its 2017 and 2018 balances.

Niagara-on-the-Lake Hydro indicated that it has implemented the new accounting guidance for the July 2019 settlement with the IESO and has trued-up amounts in Account 1588 RSVA - Power and Account 1589 RSVA - Global Adjustment consistent with the new accounting guidance, retroactive to January 1, 2019.²⁰

The new accounting guidance uses "Approach A" to record journal entries related to IESO charge types 148 and 1142/142. Niagara-on-the-Lake Hydro stated it is using "Approach B" to record the journal entries. Niagara-on-the-Lake Hydro confirmed that while the end result is the same under both approaches, "Approach B" provides the best estimates and, therefore, reduces the magnitude of the true-ups required.²¹

Findings

The OEB approves the disposition of a debit balance of \$300,641 as of December 31, 2018, including interest projected to April 30, 2020 for Group 1 accounts on a final basis.

¹⁷ Report of the OEB – "Electricity Distributors' Deferral and Variance Account Review Initiative (EDDVAR)", EB-2008-0046, July 31, 2009

¹⁸ OEB letter to all rate-regulated licensed electricity distributors – "Re: OEB's Plan to Standardize Processes to Improve Accuracy of Commodity Pass-Through Variance Accounts", July 20, 2018

¹⁹ Accounting Procedures Handbook Update – Accounting Guidance Related to Commodity Pass-Through Accounts 1588 & 1589, February 21, 2019

²⁰ OEB Staff Follow-Up Question #7, December 9, 2019

²¹ OEB Staff Question #4, and OEB Staff Follow-Up Question #1, December 9, 2019

The OEB notes that Niagara-on-the-Lake Hydro has used “Approach B” to record journal entries relate to IESO charge type 148 and 1142/142 instead of “Approach A”, noting that “Approach B” provides the best estimates. The OEB is of the view that the use of Approach A and B should yield the same results for Accounts 1588 RSVA - Power and Account 1589 RSVA – Global Adjustment. In the past, the OEB has noted the importance of standardizing the accounting procedures related to Account 1588 RSVA – Power and Account 1589 RSVA – Global Adjustment.²² Therefore, the OEB directs that, going forward, Niagara-on-the-Lake Hydro use “Approach A” to record balances in the two commodity accounts. Niagara-on-the-Lake Hydro may wish to contact OEB staff for feedback on using “Approach A”.

The following table identifies the principal and interest amounts, which the OEB approves for disposition.

Table 7.2: Group 1 Deferral and Variance Account Balances

Account Name	Account Number	Principal Balance (\$) A	Interest Balance (\$) B	Total Claim (\$) C=A+B
Smart Meter Entity Variance Charge	1551	(9,565)	(393)	(9,958)
RSVA - Wholesale Market Service Charge	1580	(26,236)	(559)	(26,795)
Variance WMS - Sub-account CBR Class B	1580	(6,540)	(264)	(6,804)
RSVA - Retail Transmission Network Charge	1584	80,771	3,690	84,461
RSVA - Retail Transmission Connection Charge	1586	16,183	1,068	17,251
RSVA - Power	1588	16,421	7,468	23,889
RSVA - Global Adjustment	1589	214,451	4,145	218,596
Totals for all Group 1 accounts		285,485	15,155	300,641

²² July 20, 2018 letter *OEB's Plan to Standardize Processes to Improve Accuracy of Commodity Pass-Through Variance Accounts* and February 21, 2019 letter *Accounting Guidance related to Accounts 1588 RSVA Power, and 1589 RSVA Global Adjustment*

The balance of each of the Group 1 accounts approved for disposition shall be transferred to the applicable principal and interest carrying charge sub-accounts of Account 1595. Such transfer shall be pursuant to the requirements specified in Article 220, Account Descriptions, of the *Accounting Procedures Handbook for Electricity Distributors*.²³ The date of the transfer must be the same as the effective date for the associated rates, which is, generally, the start of the rate year. Niagara-on-the-Lake Hydro shall ensure these adjustments are included in the reporting period ending June 30, 2020 (Quarter 2).

The OEB approves these balances to be disposed through final rate riders and charges as calculated in the Rate Generator Model. The final rate riders and charges will be in effect over a one-year period from May 1, 2020 to April 30, 2021.²⁴

8 IMPLEMENTATION AND ORDER

This Decision is accompanied by a Rate Generator Model, applicable supporting models, and a Tariff of Rates and Charges (Schedule A).

Model entries were reviewed in order to ensure that they are in accordance with Niagara-on-the-Lake Hydro's last cost of service decision, and to ensure that the 2019 OEB-approved Tariff of Rates and Charges, as well as the cost, revenue and consumption results from 2018, are as reported by Niagara-on-the-Lake Hydro to the OEB.

The Rate Generator Model was adjusted, where applicable, to correct any discrepancies. The Rate Generator Model incorporates the rates set out in the following table.

Table 8.1: Regulatory Charges

Rate	per kWh
Rural or Remote Electricity Rate Protection (RRRP)	\$0.0005
Wholesale Market Service (WMS) billed to Class A and B Customers	\$0.0030
Capacity Based Recovery (CBR) billed to Class B Customers	\$0.0004

²³ Accounting Procedures Handbook for Electricity Distributors, effective January 1, 2012

²⁴ 2020 IRM Rate Generator Model Tab 6.1 GA, Tab 6.1a GA Allocation and Tab 7 Calculation of Def-Var RR

Each of these rates is a component of the “Regulatory Charge” on a customer’s bill, established annually by the OEB through a separate, generic order. The RRRP, WMS and CBR rates were set by the OEB on December 17, 2019.²⁵

The Smart Metering Entity Charge is a component of the “Distribution Charge” on a customer’s bill, established by the OEB through a separate order. The Smart Metering Entity Charge was set by the OEB on March 1, 2018.²⁶

THE ONTARIO ENERGY BOARD ORDERS THAT:

1. Subject to paragraph 2, the Tariff of Rates and Charges set out in Schedule A of this Decision and Rate Order is approved effective May 1, 2020 for electricity consumed or estimated to have been consumed on and after such date.
2. In light of the COVID-19 emergency, the Tariff of Rates and Charges set out in Schedule A of this Decision and Rate Order is approved to be implemented November 1, 2020 if Niagara-on-the-Lake Hydro Inc. notifies the OEB under paragraph 4 that it is electing to postpone the implementation of its new rates until November 1, 2020.
3. Any temporarily forgone distribution revenue associated with the postponement referred to in paragraph 2 may be tracked in Account 1509 - Impacts Arising from the COVID-19 Emergency, Sub-account Lost Revenues.
4. Niagara-on-the-Lake Hydro Inc. shall, on or before April 23, 2020, file a letter with the OEB indicating whether it intends to postpone the implementation of the Tariff of Rates and Charges set out in Schedule A of this Decision and Rate Order.
5. If Niagara-on-the-Lake Hydro Inc. elects not to postpone the implementation of the Tariff of Rates and Charges set out in Schedule A of this Decision and Rate Order, it shall notify its customers of the rate changes no later than the delivery of the first bill reflecting the new final rates.

All materials filed with the OEB must quote the file number, **EB-2019-0056**, be made in a searchable/unrestricted PDF format and sent electronically through the OEB’s web portal at <https://pes.ontarioenergyboard.ca/eservice>. Filings must clearly state the sender’s name, postal address and telephone number, fax number and email address. Parties must use the document naming conventions and document submission

²⁵ EB-2019-0278, Decision and Order, December 17, 2019

²⁶ EB-2017-0290, Decision and Order, March 1, 2018

standards outlined in the RESS Document Guideline found at <https://www.oeb.ca/industry>. If the web portal is not available parties may email their documents to boardsec@oeb.ca.

NOTE: The OEB is temporarily waiving the paper copy filing requirement until further notice. All communications should be directed to the attention of the Board Secretary and be received no later than 4:45 p.m. on the required date.

DATED at Toronto, April 16, 2020

ONTARIO ENERGY BOARD

Original Signed By

Christine E. Long
Registrar and Board Secretary

Schedule A

To Decision and Rate Order

Tariff of Rates and Charges

OEB File No: EB-2019-0056

DATED: April 16, 2020

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

RESIDENTIAL SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	29.41
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2021	\$	0.21
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$	0.39
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021 Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kWh	0.0003
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0078
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	40.08
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0119
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021 Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kWh	0.0004
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kWh	0.0005
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2021	\$/kWh	0.0005
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than 50 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	286.44
Distribution Volumetric Rate	\$/kW	2.3975
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021 Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kW	0.1645
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kW	0.2008

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2021	\$/kW	0.1343
Retail Transmission Rate - Network Service Rate	\$/kW	2.9048
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.5347
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.1394
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.2861

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

LARGE USE SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	3,754.95
Distribution Volumetric Rate	\$/kW	2.3975
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021		
Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kW	0.1555
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kW	0.2008
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.1394
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered (see Note 1)	\$/kW	1.2861

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per customer)	\$	21.56
Distribution Volumetric Rate	\$/kWh	0.0055
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021 Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kWh	0.0004
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kWh	0.0005
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established by an approved Ontario Energy Board process. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	7.32
Distribution Volumetric Rate	\$/kW	1.7615
Rate Rider for Disposition of Global Adjustment Account (2020) - effective until April 30, 2021 Applicable only for Non-RPP Customers	\$/kWh	0.0023
Rate Rider for Disposition of Deferral/Variance Accounts (2020) - effective until April 30, 2021	\$/kW	0.1436
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kW	0.1852
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2021	\$/kW	13.1960
Retail Transmission Rate - Network Service Rate	\$/kW	2.1903
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.4134

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation or Load Displacement Storage that requires Niagara-on-the-Lake Hydro to provide back-up service. Standby Charges are to be applied to behind-the-meter generators that have a nameplate capacity greater than or equal to 500kW and are not IESO market participants or IESO program participants (FIT, MicroFIT, SOP etc.) which have their own metering and settlement conventions as per regulation and legislation. For the purpose of this rate classification the term "generator" shall include electricity storage devices used for the primary purpose of Load Displacement. 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 changes, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment, and the HST.

MONTHLY RATES AND CHARGES

Standby Charges are based on applicable monthly General Service > 50kW to 4,999 kW or Large Use Distribution Volumetric Charges, depending on the rate classification of the generator host facility.

Distribution Charges on the generator host facility's load account will be determined by multiplying the peak hourly delivered load as measured by the load account meter in kW by applicable variable charges for the rate class. Standby Charges will be determined by multiplying the peak coincident combined kW delivered by both the distribution system and the generator, less the peak hourly delivered load in kW of the host customer facility as measured by the generator host load account meter.

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

microFIT SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	10.00
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ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.56)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	(1.00)

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

SPECIFIC SERVICE CHARGES

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

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

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Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Pulling post dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement letter	\$	15.00
Account history	\$	15.00
Credit check (plus credit agency costs)	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	190.00

Non-Payment of Account

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily)	%	1.50
Reconnection at meter - during regular hours	\$	95.00
Reconnection at meter - after regular hours	\$	320.00
Reconnection at pole - during regular hours	\$	185.00
Reconnection at pole - after regular hours	\$	610.00

Other

Service call - customer-owned equipment - during regular hours	\$	30.00
Service call - customer-owned equipment - after regular hours	\$	320.00
Temporary service - install & remove - overhead - no transformer	\$	Variable
Temporary service - install & remove - underground - no transformer	\$	Variable
Temporary service - install & remove - overhead - with transformer	\$	Variable
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	44.50

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

RETAIL SERVICE CHARGES (if applicable)

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

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

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

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the 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	\$	102.00
Monthly fixed charge, per retailer	\$	40.80
Monthly variable charge, per customer, per retailer	\$/cust.	1.02
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.51
Processing fee, per request, applied to the requesting party	\$	1.02
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	4.08
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.04

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	1.0373
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0275
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2020

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

EB-2019-0056

NOTES

1) The Billing Demand for Line and Transformation Connection Services and Low Voltage Services is defined as the Non-Coincident Peak demand (MW) in any hour of the month. The customer demand in any hour is the sum of (a) the loss-adjusted demand supplied from the distribution system plus (b) the demand that is supplied by embedded generation installed after October 30, 1998, which have installed capacity of 2MW or more for renewable generation and 1 MW or higher for non-renewable generation. The term renewable generation refers to a facility that generates electricity from the following sources: wind, solar, Biomass, Bio-oil, Bio-gas, landfill gas, or water. The demand supplied by embedded generation will not be adjusted for loss.

1 **Appendix 7 – NOTLH 2019 Cost of Service EB-2018-0056 - Final**
2 **Rate Order**
3

FINAL RATE ORDER

EB-2018-0056

NIAGARA-ON-THE-LAKE HYDRO INC.

**Application for electricity distribution rates and other charges
beginning May 1, 2019**

BEFORE: Michael Janigan
Presiding Member

May 23, 2019

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1 INTRODUCTION AND SUMMARY

This is a Final Rate Order of the Ontario Energy Board (OEB) on an application filed by Niagara-on-the-Lake Hydro Inc. (NOTL Hydro) to change its electricity distribution rates effective May 1, 2019.

The OEB has reviewed NOTL Hydro's draft rate order (DRO) and proposed Tariff of Rates and Charges, and is satisfied that they accurately reflect the Decision and Order issued on April 23, 2019.

As a result of this Final Rate Order, it is estimated that the total monthly bill for a typical residential customer with an average monthly consumption of 750 kWh will decrease by 0.33% or \$0.34 per month before tax.

2 THE PROCESS

NOTL Hydro filed its application on August 23, 2018 for 2019 rates. The OEB issued a Notice of Application on September 7, 2018, inviting parties to apply for intervenor status. School Energy Coalition (SEC) and Vulnerable Energy Consumers Coalition (VECC) applied for and were granted intervenor status and cost eligibility.

The OEB held a community meeting on October 9, 2018 where OEB staff and NOTL Hydro made presentations. A summary of the community meeting was posted on the record of this proceeding. The customers that attended the community meeting asked questions and expressed concerns about a new transformer, bill impacts from rate riders, self-generation, street light revenue reduction and whether the generation from the new large business customer will impact residential rates.

The OEB issued Procedural Order No. 1 on October 10, 2018 with a timetable for a written discovery process, the filing of a proposed issues list and a settlement conference. On December 6, 2018, the OEB issued its Decision on Issues List in which it approved a final issues list that was proposed by OEB staff and agreed upon by the intervenors. A settlement conference was held on December 10 and 11, 2018.

NOTL Hydro, SEC and VECC (the Parties) filed a partial settlement proposal with the OEB on January 10, 2019. OEB staff was not a party to the settlement proposal, but participated in the settlement conference in accordance with the role of OEB staff set out in the OEB's *Practice Direction on Settlement Conferences*. OEB staff filed its submission regarding the partial settlement proposal on January 17, 2019.

On February 8, 2019, the OEB issued a Decision and Procedural Order No. 4 in which it accepted the partial settlement proposal with respect to NOTL Hydro's application. Procedural Order No. 4 also set out the dates for a written hearing of the six unsettled issues. All Parties and OEB staff filed written submissions with respect to the unsettled issues.

NOTL Hydro filed a proposed Tariff of Rates and Charges on May 1, 2019. There were no submissions regarding the proposed Tariff of Rates and Charges.

3 RATE ORDER

The OEB has reviewed the information provided in support of NOTL Hydro's revised draft rate order and proposed Tariff of Rates and Charges. The OEB finds that the Tariff of Rates and Charges in Schedule A accurately reflects the Decision and is consistent with the OEB's format.

This Final Rate Order establishes NOTL Hydro's distribution rates effective and implemented as of May 1, 2019.

4 IMPLEMENTATION

The new rates approved in this Final Rate Order are to be effective and implemented on May 1, 2019. Pursuant to the Decision and Order, NOTL Hydro filed tariff sheets and detailed information in support of the calculation of final rates in the draft rate order.

The approved Tariffs of Rates and Charges are attached as Schedule A to this Rate Order.

5 ORDER

THE ONTARIO ENERGY BOARD ORDERS THAT:

The Tariff of Rates and Charges set out in Schedule A of this Rate Order is final effective May 1, 2019 and is to be implemented effective May 1, 2019. The Tariff of Rates and Charges will apply to electricity consumed or estimated to have been consumed on and after May 1, 2019. NOTL Hydro shall notify its customers of the rate changes no later than the delivery of the first bill reflecting the new rates.

DATED at Toronto **May 23, 2019**

ONTARIO ENERGY BOARD

Original Signed By

Kirsten Walli
Board Secretary

SCHEDULE A: TARIFF OF RATES AND CHARGES

RATE ORDER

NIAGARA-ON-THE-LAKE HYDRO INC.

EB-2018-0056

MAY 23, 2019

Niagara-on-the-Lake Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2019
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2018-0056

RESIDENTIAL SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	28.74
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2021	\$	0.21
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$	0.39
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2019) - effective until April 30, 2020 - Approved on an Interim Basis	\$/kWh	(0.0006)
Rate Rider for Disposition of Global Adjustment Account (2019) - Applicable only for Non-RPP Customers - effective until April 30, 2020 - Approved on an Interim Basis	\$/kWh	(0.0018)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0068
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2019
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2018-0056

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	39.41
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0117
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2019) - effective until April 30, 2020 - Approved on an Interim Basis	\$/kWh	(0.0006)
Rate Rider for Disposition of Global Adjustment Account (2019) - Applicable only for Non-RPP Customers - effective until April 30, 2020 - Approved on an Interim Basis	\$/kWh	(0.0018)
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kWh	0.0005
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2021	\$/kWh	0.0005
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0062
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date May 1, 2019
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2018-0056

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non-residential account whose monthly average peak demand is equal to or greater than, or is forecast to be equal to or greater than 50 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	281.65
Distribution Volumetric Rate	\$/kW	2.3574
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2019) - effective until April 30, 2020 - Approved on an Interim Basis	\$/kW	(0.2179)
Rate Rider for Disposition of Global Adjustment Account (2019) - Applicable only for Non-RPP Customers - effective until April 30, 2020 - Approved on an Interim Basis	\$/kWh	(0.0018)
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kW	0.2008
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2021	\$/kW	0.1343
Retail Transmission Rate - Network Service Rate	\$/kW	2.5322
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.5327
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.7367
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.2812

MONTHLY RATES AND CHARGES - Regulatory Component

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

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LARGE USE SERVICE CLASSIFICATION

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

APPLICATION

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

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

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	3,692.18
Distribution Volumetric Rate	\$/kW	2.3574
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2019) - effective until April 30, 2020 - Approved on an Interim Basis	\$/kW	(0.2179)
Rate Rider for Disposition of Global Adjustment Account (2019) - Applicable only for Non-RPP Customers - effective until April 30, 2020 - Approved on an Interim Basis	\$/kWh	(0.0018)
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kW	0.2008
Retail Transmission Rate - Network Service Rate	\$/kW	2.5322
Retail Transmission Rate - Line and Transformation Connection Service Rate (see Note 1)	\$/kW	0.5327
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.7367
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered (see Note 1)	\$/kW	1.2812

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.
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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per customer)	\$	21.20
Distribution Volumetric Rate	\$/kWh	0.0054
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2019) - effective until April 30, 2020 - Approved on an Interim Basis	\$/kWh	(0.0006)
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kWh	0.0005
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0062
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0016

MONTHLY RATES AND CHARGES - Regulatory Component

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

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STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting operation, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established by an approved Ontario Energy Board process. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

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

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

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

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

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	7.85
Distribution Volumetric Rate	\$/kW	1.8891
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2019) - effective until April 30, 2020 - Approved on an Interim Basis	\$/kW	(0.2009)
Rate Rider for Disposition of Global Adjustment Account (2019) - Applicable only for Non-RPP Customers - effective until April 30, 2020 - Approved on an Interim Basis	\$/kWh	(0.0018)
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2019) - effective until April 30, 2021	\$/kW	0.1852
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2019) - effective until April 30, 2021	\$/kW	13.1960
Retail Transmission Rate - Network Service Rate	\$/kW	1.9093
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.4118

MONTHLY RATES AND CHARGES - Regulatory Component

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

Niagara-on-the-Lake Hydro Inc.
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STANDBY POWER SERVICE CLASSIFICATION

This classification refers to an account that has Load Displacement Generation or Load Displacement Storage that requires Niagara-on-the-Lake Hydro to provide back-up service. Standby Charges are to be applied to behind-the-meter generators that have a nameplate capacity greater than or equal to 500kW and are not IESO market participants or IESO program participants (FIT, MicroFIT, SOP etc.) which have their own metering and settlement conventions as per regulation and legislation. For the purpose of this rate classification the term "generator" shall include electricity storage devices used for the primary purpose of Load Displacement. 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 changes, assessments or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment, and the HST.

MONTHLY RATES AND CHARGES

Standby Charges are based on applicable monthly General Service > 50kW to 4,999 kW or Large Use Distribution Volumetric Charges, depending on the rate classification of the generator host facility.

Distribution Charges on the generator host facility's load account will be determined by multiplying the peak hourly delivered load as measured by the load account meter in kW by applicable variable charges for the rate class. Standby Charges will be determined by multiplying the peak coincident combined kW delivered by both the distribution system and the generator, less the peak hourly delivered load in kW of the host customer facility as measured by the generator host load account meter.

Niagara-on-the-Lake Hydro 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 Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	10.00
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ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.56)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	(1.00)

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SPECIFIC SERVICE CHARGES

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

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

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Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Pulling post dated cheques	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Easement letter	\$	15.00
Account history	\$	15.00
Credit check (plus credit agency costs)	\$	15.00
Returned cheque (plus bank charges)	\$	15.00
Charge to certify cheque	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	190.00

Non-Payment of Account (see Note below)

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily)	%	1.50
Late payment - per annum	%	19.56
Reconnection at meter - during regular hours	\$	95.00
Reconnection at meter - after regular hours	\$	320.00
Reconnection at pole - during regular hours	\$	185.00
Reconnection at pole - after regular hours	\$	610.00

Other

Service call - customer-owned equipment - during regular hours	\$	30.00
Service call - customer-owned equipment - after regular hours	\$	320.00
Temporary service - install & remove - overhead - no transformer	\$	Variable
Temporary service - install & remove - underground - no transformer	\$	Variable
Temporary service - install & remove - overhead - with transformer	\$	Variable
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	43.63

NOTE: Ontario Energy Board Rate Order EB-2017-0183, issued on March 14, 2019, identifies changes to the Non-Payment of Account Service Charges effective July 1, 2019

Niagara-on-the-Lake Hydro Inc.
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RETAIL SERVICE CHARGES (if applicable)

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

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

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

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the 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	\$	40.00
Monthly variable charge, per customer, per retailer	\$/cust.	1.00
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.60
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.60)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.50
Processing fee, per request, applied to the requesting party	\$	1.00
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	4.00
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.00

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	1.0373
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0275
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

Niagara-on-the-Lake Hydro Inc.

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2019

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NOTES

1) The Billing Demand for Line and Transformation Connection Services and Low Voltage Services is defined as the Non-Coincident Peak demand (MW) in any hour of the month. The customer demand in any hour is the sum of (a) the loss-adjusted demand supplied from the distribution system plus (b) the demand that is supplied by embedded generation installed after October 30, 1998, which have installed capacity of 2MW or more for renewable generation and 1 MW or higher for non-renewable generation. The term renewable generation refers to a facility that generates electricity from the following sources: wind, solar, Biomass, Bio-oil, Bio-gas, landfill gas, or water. The demand supplied by embedded generation will not be adjusted for loss.

1 **Appendix 8 – NOTLH Detail CDM Savings**

2

Record Name:
Exported On:
Filter Selections

RR LDC Application and Facility
Sep 16, 2020 2:35 PM

IESO Reporting Period Year:

2018, 2019, 2020

LDC Application ID	Lead LDC	Program Name	IESO Reporting Period	Project Completion Date	Total Incentive (\$)	Total Demand Savings (kW)	Total Energy Savings (kWh)	Payment Status
10940892	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY HEATING AND COOLING PROGRAM	November 2019		\$250.00	0.80 kW	1,310 kWh	Paid
11324372	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY HEATING AND COOLING PROGRAM	February 2020		\$250.00	0.80 kW	1,310 kWh	Paid
11916122	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY HEATING AND COOLING PROGRAM	August 2019		\$250.00	0.41 kW	732 kWh	Paid
11947111	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY HEATING AND COOLING PROGRAM	February 2020		\$250.00	0.41 kW	732 kWh	Paid
11996036	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY HEATING AND COOLING PROGRAM	August 2019		\$250.00	0.41 kW	732 kWh	Paid
158066	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	11/23/2017	\$788.38	0.00 kW	0 kWh	Paid
169035	HYDRO ONE NETWORKS INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	01/24/2018	\$600.00	0.00 kW	0 kWh	Paid
171262	TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	09/01/2017	\$1,496.00	0.00 kW	0 kWh	Paid
171639	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	10/27/2017	\$9,548.50	0.00 kW	0 kWh	Paid
173963	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	May 2020	05/01/2020	\$74,000.00	92.50 kW	20,210 kWh	Paid
175300	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	03/01/2018	\$350.00	0.29 kW	1,122 kWh	Paid
172217	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	10/03/2018	\$905.00	1.81 kW	8,315 kWh	Paid
178473	TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	12/31/2018	\$430.40	0.00 kW	0 kWh	Paid
178509	ALECTRA UTILITIES CORPORATION	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	07/21/2017	\$378.00	0.00 kW	0 kWh	Paid
178626	ALECTRA UTILITIES CORPORATION	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	07/21/2017	\$1,288.00	0.00 kW	0 kWh	Paid
181049	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	04/07/2018	\$962.50	2.20 kW	10,107 kWh	Paid
184602	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	04/07/2018	\$350.00	0.50 kW	2,297 kWh	Paid
184606	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	11/24/2017	\$985.00	0.00 kW	0 kWh	Paid
186090	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	03/14/2018	\$562.00	1.10 kW	4,391 kWh	Paid
186154	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	12/22/2017	\$3,440.00	8.60 kW	58,447 kWh	Paid
186190	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	01/26/2018	\$2,000.00	5.00 kW	29,657 kWh	Paid
186363	CANADIAN NIAGARA POWER INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	03/16/2018	\$6,275.00	0.00 kW	0 kWh	Paid
186702	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	12/29/2017	\$2,400.00	6.00 kW	24,441 kWh	Paid
186965	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	03/09/2018	\$550.00	0.34 kW	1,577 kWh	Paid
186975	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	01/30/2018	\$2,786.09	10.40 kW	67,572 kWh	Paid
187080	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	01/16/2018	\$1,430.49	6.60 kW	41,828 kWh	Paid
187814	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	09/10/2018	\$1,100.00	2.83 kW	10,661 kWh	Paid
188133	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	April 2020	03/19/2020	\$2,640.00	4.50 kW	20,673 kWh	Paid
188193	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	04/02/2018	\$4,917.00	5.12 kW	21,628 kWh	Paid
189045	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	04/20/2018	\$13,000.00	32.50 kW	195,935 kWh	Paid
189110	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	02/14/2018	\$22,440.00	56.10 kW	270,749 kWh	Paid
189324	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	May 2020	02/18/2020	\$8,477.50	21.20 kW	79,548 kWh	Paid
189356	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	02/26/2018	\$4,180.00	3.87 kW	15,140 kWh	Paid
189779	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	03/30/2018	\$5,602.00	4.12 kW	18,530 kWh	Paid
190057	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	03/26/2018	\$7,560.00	18.90 kW	87,242 kWh	Paid
190198	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	03/07/2018	\$1,535.00	0.00 kW	17,094 kWh	Paid
190654	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	04/04/2018	\$200.00	0.00 kW	2,335 kWh	Paid
190655	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	04/04/2018	\$1,760.00	4.53 kW	17,057 kWh	Paid
190673	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	09/10/2018	\$520.00	0.00 kW	5,796 kWh	Paid
190710	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	05/16/2018	\$1,887.10	0.00 kW	18,871 kWh	Paid
190810	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	04/13/2018	\$1,680.00	2.10 kW	1,203 kWh	Paid
190811	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	04/19/2018	\$880.00	1.10 kW	617 kWh	Paid
190973	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	May 2020	02/04/2020	\$8,625.00	17.25 kW	79,246 kWh	Paid
191354	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	03/15/2018	\$1,026.00	1.86 kW	9,660 kWh	Paid
191356	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	03/15/2018	\$4,688.60	0.00 kW	46,886 kWh	Paid
191609	TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	SAVE ON ENERGY RETROFIT PROGRAM	September 2019	11/29/2018	\$975.00	1.98 kW	8,890 kWh	Paid
191831	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	04/26/2018	\$4,028.20	9.80 kW	37,029 kWh	Paid
192132	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	04/30/2018	\$1,925.00	0.00 kW	21,462 kWh	Paid
193571	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	07/06/2018	\$385.00	0.23 kW	1,075 kWh	Paid
194022	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	April 2020	03/06/2020	\$11,001.50	0.00 kW	110,015 kWh	Paid
194030	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	10/05/2018	\$240.00	0.14 kW	645 kWh	Paid
194348	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	May 2020	06/22/2018	\$937.60	1.17 kW	703 kWh	Paid
194832	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	10/12/2018	\$2,429.80	0.00 kW	48,596 kWh	Paid
195488	ALECTRA UTILITIES CORPORATION	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	01/19/2019	\$2,800.00	0.00 kW	0 kWh	Paid
195549	ALECTRA UTILITIES CORPORATION	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	09/18/2018	\$963.00	0.00 kW	0 kWh	Paid
195745	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	12/20/2018	\$5,346.00	7.46 kW	51,457 kWh	Paid
195752	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	06/25/2018	\$2,002.00	2.86 kW	13,139 kWh	Paid
197103	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	10/12/2018	\$281.28	0.35 kW	211 kWh	Paid
197469	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	11/30/2018	\$1,365.00	4.86 kW	21,351 kWh	Paid
197579	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	09/21/2018	\$8,064.00	11.52 kW	52,923 kWh	Paid
198211	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	11/29/2018	\$675.00	0.00 kW	7,560 kWh	Paid
198462	TORONTO HYDRO-ELECTRIC SYSTEM LIMITED	SAVE ON ENERGY RETROFIT PROGRAM	June 2019	09/19/2018	\$1,496.00	1.87 kW	4,259 kWh	Paid
199879	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	09/28/2018	\$3,240.00	1.97 kW	9,030 kWh	Paid
199880	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	09/28/2018	\$1,500.00	0.94 kW	4,300 kWh	Paid
200611	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	10/05/2018	\$600.00	0.37 kW	1,720 kWh	Paid
200765	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	10/18/2018	\$1,410.00	3.83 kW	15,287 kWh	Paid
200799	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	12/06/2018	\$2,940.00	1.80 kW	8,277 kWh	Paid
200944	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	12/06/2018	\$44.00	0.26 kW	1,009 kWh	Paid
200966	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	10/16/2018	\$844.65	3.29 kW	12,869 kWh	Paid
201077	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	12/06/2018	\$907.50	0.00 kW	12,743 kWh	Paid
201079	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	01/30/2019	\$540.00	1.19 kW	4,551 kWh	Paid
201378	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	11/16/2018	\$4,437.50	4.66 kW	18,201 kWh	Paid
2017-011	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY HIGH PERFORMANCE NEW CONSTRUCTION PROGRAM	March 2019	01/01/2019	\$9,232.00	22.40 kW	102,907 kWh	Paid
2018NR07	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY HIGH PERFORMANCE NEW CONSTRUCTION PROGRAM	March 2019	01/09/2019	\$1,526.00	2.50 kW	25,846 kWh	Paid
202643	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	12/04/2018	\$1,877.90	0.00 kW	18,779 kWh	Paid
202658	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	12/04/2018	\$3,120.00	7.80 kW	36,008 kWh	Paid
202966	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	12/11/2018	\$3,788.00	6.58 kW	27,065 kWh	Paid
203209	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	May 2020	03/08/2019	\$1,480.00	3.70 kW	13,435 kWh	Paid
203685	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	May 2020	03/08/2019	\$575.00	1.50 kW	5,461 kWh	Paid
204313	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	May 2019	05/13/2019	\$992.00	1.64 kW	6,419 kWh	Paid
204359	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	August 2019	08/13/2019	\$560.00	1.40 kW	4,825 kWh	Paid
204468	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	October 2019	09/13/2019	\$3,600.00	0.00 kW	40,042 kWh	Paid
204495	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	May 2020	01/31/2020	\$4,650.00	0.00 kW	52,080 kWh	Paid
205414	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	March 2019	02/28/2019	\$378.00	1.05 kW	4,118 kWh	Paid
205554	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	May 2020	05/15/2019	\$1,235.00	4.00 kW	20,325 kWh	Paid

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IESO Reporting Period Year:

2018, 2019, 2020

LDC Application ID	Lead LDC	Program Name	IESO Reporting Period	Project Completion Date	Total Incentive (\$)	Total Demand Savings (kW)	Total Energy Savings (kWh)	Payment Status
205569	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	May 2020	03/06/2019	\$4,122.40	6.00 kW	59,591 kWh	Paid
205701	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	May 2020	03/06/2019	\$942.50	0.00 kW	10,920 kWh	Paid
205770	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	August 2020	03/20/2020	\$19,593.25	39.50 kW	371,517 kWh	Ready for Payment
206363	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY RETROFIT PROGRAM	August 2019	07/04/2019	\$650.00	0.00 kW	7,266 kWh	Paid
480004-057	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	01/12/2017	\$444.76	0.72 kW	2,133 kWh	Paid
480004-081	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	03/08/2017	\$1,929.96	3.04 kW	9,108 kWh	Paid
480004-090	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	02/26/2018	\$345.00	0.89 kW	2,653 kWh	Paid
480004-097	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	06/29/2018	\$1,501.03	1.58 kW	8,523 kWh	Paid
480004-115	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	06/16/2017	\$2,374.34	0.00 kW	0 kWh	Paid
480004-168	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	12/15/2017	\$1,868.14	3.10 kW	15,384 kWh	Paid
480004-170	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	12/21/2017	\$510.00	1.03 kW	2,837 kWh	Paid
480004-171	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	08/13/2017	\$464.00	1.52 kW	4,830 kWh	Paid
480004-172	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	08/13/2017	\$420.00	0.84 kW	2,374 kWh	Paid
480004-173	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	08/13/2017	\$416.00	1.14 kW	4,979 kWh	Paid
480004-175	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	06/29/2018	\$658.00	1.96 kW	5,643 kWh	Paid
480004-182	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	06/29/2018	\$460.00	1.06 kW	3,427 kWh	Paid
480004-184	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	02/27/2018	\$1,730.00	4.08 kW	13,895 kWh	Paid
480004-188	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	02/27/2018	\$1,200.00	2.73 kW	9,620 kWh	Paid
480004-192	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	02/27/2018	\$882.00	2.15 kW	5,311 kWh	Paid
480022-001	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	03/11/2019	\$1,680.00	0.90 kW	3,827 kWh	Paid
480088-001	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	09/18/2018	\$2,000.00	1.01 kW	2,263 kWh	Paid
480088-002	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	10/29/2018	\$1,840.00	0.96 kW	2,627 kWh	Paid
480088-003	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	10/31/2018	\$2,000.00	1.00 kW	4,380 kWh	Paid
480088-004	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	10/31/2018	\$2,000.00	1.02 kW	2,303 kWh	Paid
480088-005	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	09/20/2018	\$1,976.00	1.77 kW	5,137 kWh	Paid
480088-006	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	09/20/2018	\$640.00	0.33 kW	1,333 kWh	Paid
480088-007	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	03/22/2019	\$2,000.00	1.04 kW	2,602 kWh	Paid
480088-009	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	09/18/2018	\$1,479.00	0.76 kW	2,397 kWh	Paid
480088-010	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	03/11/2019	\$775.00	1.11 kW	5,043 kWh	Paid
480088-013	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	10/31/2018	\$1,080.00	0.55 kW	1,327 kWh	Paid
480088-014	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	09/19/2018	\$2,000.00	1.07 kW	5,270 kWh	Paid
480088-015	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	01/11/2019	\$559.00	0.57 kW	1,662 kWh	Paid
480088-019	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	11/26/2018	\$1,440.00	0.72 kW	2,525 kWh	Paid
480088-020	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	04/01/2019	\$2,000.00	1.00 kW	6,209 kWh	Paid
480088-021	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	04/01/2019	\$1,440.00	0.72 kW	5,286 kWh	Paid
480088-026	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	01/03/2019	\$760.00	0.38 kW	1,472 kWh	Paid
480088-027	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	03/04/2019	\$2,000.00	1.01 kW	2,528 kWh	Paid
480088-028	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	04/08/2019	\$2,000.00	1.00 kW	2,249 kWh	Paid
480088-029	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	01/14/2019	\$2,100.00	1.32 kW	3,933 kWh	Paid
480088-030	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	01/14/2019	\$1,455.00	1.70 kW	3,713 kWh	Paid
480088-031	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	01/15/2019	\$903.00	0.53 kW	2,496 kWh	Paid
480088-032	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	01/02/2019	\$971.00	0.52 kW	2,465 kWh	Paid
480088-033	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	04/17/2019	\$1,920.00	1.01 kW	2,532 kWh	Paid
480088-034	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	01/15/2019	\$320.00	0.18 kW	506 kWh	Paid
480088-035	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	01/11/2019	\$720.00	0.38 kW	1,039 kWh	Paid
480088-036	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	01/15/2019	\$1,504.00	1.00 kW	2,327 kWh	Paid
480088-037	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	02/28/2019	\$1,840.00	0.92 kW	2,069 kWh	Paid
480088-038	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	01/15/2019	\$440.00	0.23 kW	644 kWh	Paid
480088-039	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	01/29/2019	\$2,000.00	1.00 kW	1,999 kWh	Paid
480088-040	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	01/29/2019	\$1,908.00	1.30 kW	2,585 kWh	Paid
480088-041	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	01/11/2019	\$1,600.00	0.82 kW	1,967 kWh	Paid
480088-042	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	04/09/2019	\$1,990.00	2.89 kW	6,495 kWh	Paid
480088-043	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	03/25/2019	\$686.00	0.88 kW	1,954 kWh	Paid
480088-044	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	04/26/2019	\$1,961.00	1.44 kW	3,243 kWh	Paid
480088-045	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	04/26/2019	\$1,954.00	1.19 kW	2,680 kWh	Paid
480088-046	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	03/21/2019	\$1,360.00	0.69 kW	2,228 kWh	Paid
480088-047	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	03/01/2019	\$440.00	0.25 kW	317 kWh	Paid
480088-048	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	02/08/2019	\$1,640.00	0.88 kW	3,404 kWh	Paid
480088-049	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	02/08/2019	\$494.00	1.65 kW	7,235 kWh	Paid
480088-050	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	04/18/2019	\$1,448.67	1.20 kW	4,776 kWh	Paid
480088-051	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	03/22/2019	\$1,980.00	1.38 kW	3,103 kWh	Paid
480088-052	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	02/01/2019	\$1,120.00	0.57 kW	1,704 kWh	Paid
480088-053	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	01/26/2019	\$400.00	0.20 kW	1,063 kWh	Paid
480088-056	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	03/21/2019	\$2,000.00	1.07 kW	2,397 kWh	Paid
480088-057	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	04/22/2019	\$1,272.00	1.34 kW	3,000 kWh	Paid
480088-058	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	03/25/2019	\$1,601.00	1.31 kW	2,952 kWh	Paid
480088-060	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	03/01/2019	\$1,040.00	0.52 kW	2,362 kWh	Paid
480088-061	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	March 2019	02/28/2019	\$400.00	0.22 kW	545 kWh	Paid
480104-002	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	May 2019	04/02/2019	\$1,171.00	1.72 kW	3,848 kWh	Paid
601780	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY MONITORING AND TARGETING PROGRAM	March 2019	12/31/2020	\$35,000.00	0.00 kW	0 kWh	Paid
971957	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY HEATING AND COOLING PROGRAM	February 2020		\$250.00	0.80 kW	1,310 kWh	Paid
978379	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY HEATING AND COOLING PROGRAM	September 2019		\$250.00	0.80 kW	1,310 kWh	Paid
BRI-480128-004	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY BUSINESS REFRIGERATION INCENTIVE PROGRAM	March 2019	05/07/2018	\$469.00	0.02 kW	4,367 kWh	Paid
BRI-480128-001	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY BUSINESS REFRIGERATION INCENTIVE PROGRAM	March 2019	10/18/2018	\$430.00	0.11 kW	2,881 kWh	Paid
BRI-480128-002	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY BUSINESS REFRIGERATION INCENTIVE PROGRAM	March 2019	10/24/2018	\$1,077.00	0.15 kW	7,390 kWh	Paid
BRI-480128-003	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY BUSINESS REFRIGERATION INCENTIVE PROGRAM	March 2019	10/25/2018	\$310.00	0.02 kW	2,592 kWh	Paid
BRI-480128-004	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY BUSINESS REFRIGERATION INCENTIVE PROGRAM	March 2019	10/31/2018	\$944.00	0.05 kW	7,684 kWh	Paid
BRI-480128-005	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY BUSINESS REFRIGERATION INCENTIVE PROGRAM	March 2019	02/01/2019	\$20.00	0.00 kW	289 kWh	Paid
BRI-480128-006	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY BUSINESS REFRIGERATION INCENTIVE PROGRAM	March 2019	01/31/2019	\$1,035.00	0.27 kW	6,170 kWh	Paid
BRI-480128-007	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY BUSINESS REFRIGERATION INCENTIVE PROGRAM	March 2019	02/01/2019	\$720.00	0.11 kW	4,051 kWh	Paid
BRI-480128-009	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY BUSINESS REFRIGERATION INCENTIVE PROGRAM	March 2019	02/22/2019	\$1,329.00	0.32 kW	8,684 kWh	Paid
NOT-79-00001	NIAGARA-ON-THE-LAKE HYDRO INC.	SAVE ON ENERGY HOME ASSISTANCE PROGRAM	March 2019	01/29/2018	\$306.00	0.42 kW	878 kWh	Paid

Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									Monthly Multiplier	Net Demand Savings (kW)	Net Peak Demand Savings Persistence (kW)								
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027

184,626	185,164	185,164	185,164	185,164	185,164	181,599	181,599	181,599	181,549	181,499
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31.7117	31.7962	31.7962	31.7962	31.7962	31.7962	31.2889	31.2889	31.2889	31.2889	31.2889
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RETROFIT 2018

TOTAL	1,296,142.71	1,299,917.55	1,299,917.55	1,299,917.55	1,299,917.55	1,274,893.89	1,274,893.89	1,274,893.89	1,274,543.02	1,274,192.23
<50	205,587.02	206,185.76	206,185.76	206,185.76	206,185.76	202,216.65	202,216.65	202,216.65	202,160.99	202,105.35
>50	1,090,555.69	1,093,731.79	1,093,731.79	1,093,731.79	1,093,731.79	1,072,677.24	1,072,677.24	1,072,677.24	1,072,382.02	1,072,086.88
	84.139% Over 50 %									
	15.861% Less 50 %									

308.69	309.51	309.51	309.51	309.51	304.57	304.57	304.57	304.57	304.57	304.57
60.07	60.23	60.23	60.23	60.23	59.27	59.27	59.27	59.27	59.27	59.27
248.62	249.28	249.28	249.28	249.28	245.30	245.30	245.30	245.30	245.30	245.30

SBL 2018

TOTAL	56,348.35	56,348.35	56,304.98	56,057.37	55,608.34	52,486.55	45,777.96	38,745.27	23,366.63	11,989.44
<50	54,714.24	54,714.24	54,672.13	54,431.70	53,995.69	50,964.43	44,450.39	37,621.65	22,688.99	11,641.74
>50	1,634.11	1,634.11	1,632.85	1,625.67	1,612.65	1,522.12	1,327.57	1,123.62	677.64	347.70
	2.900% Over 50 %									
	97.100% Less 50 %									

13.15	13.15	13.15	13.07	13.07	12.62	11.65	10.16	6.42	3.44	
12.58	12.58	12.58	12.51	12.51	12.08	11.15	9.72	6.15	3.29	
0.56	0.56	0.56	0.56	0.56	0.54	0.50	0.43	0.27	0.15	

HPNC 2019

TOTAL	83,663.70	83,663.70	83,663.70	83,663.70	83,663.70	83,663.70	83,663.70	83,663.70	83,663.70	83,663.70
<50	16,794.73	16,794.73	16,794.73	16,794.73	16,794.73	16,794.73	16,794.73	16,794.73	16,794.73	16,794.73
>50	66,868.97	66,868.97	66,868.97	66,868.97	66,868.97	66,868.97	66,868.97	66,868.97	66,868.97	66,868.97
	79.926% Over 50 %									
	20.074% Less 50 %									

15.76	15.76	15.76	15.76	15.76	15.76	15.76	15.76	15.76	15.76	15.76
1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
14.17	14.17	14.17	14.17	14.17	14.17	14.17	14.17	14.17	14.17	14.17

RETROFIT 2019

TOTAL	184,625.81	185,163.51	185,163.51	185,163.51	185,163.51	181,599.08	181,599.08	181,599.08	181,549.10	181,499.13
<50	24,950.32	25,022.99	25,022.99	25,022.99	25,022.99	24,541.29	24,541.29	24,541.29	24,534.54	24,527.78
>50	159,675.49	160,140.52	160,140.52	160,140.52	160,140.52	157,057.79	157,057.79	157,057.79	157,014.56	156,971.35
	86.486% Over 50 %									
	13.514% Less 50 %									

31.71	31.80	31.80	31.80	31.80	31.29	31.29	31.29	31.29	31.29	
6.50	6.52	6.52	6.52	6.52	6.42	6.42	6.42	6.42	6.42	
25.21	25.27	25.27	25.27	25.27	24.87	24.87	24.87	24.87	24.87	

PROGRAM	kW			kWh		
	NTG	Realization Rate	Adjustment Factor	NTG	Realization Rate	Adjustment Factor
SAVE ON ENERGY BUSINESS REFRIGERATION INCENTIVE PROGRAM	0.8300	0.6700	0.5561	0.8300	0.8700	0.7221
SAVE ON ENERGY HEATING AND COOLING PROGRAM	0.7900	0.7100	0.5609	0.7800	1.0900	0.8502
SAVE ON ENERGY HIGH PERFORMANCE NEW CONSTRUCTION PROGRAM	0.5600	1.1300	0.6328	0.5700	1.1400	0.6498
SAVE ON ENERGY HOME ASSISTANCE PROGRAM	1.0000	0.1700	0.1700	1.0000	0.7000	0.7000
SAVE ON ENERGY RETROFIT PROGRAM	1.1200	1.1000	1.2320	0.9000	1.0200	0.9180
SAVE ON ENERGY SMALL BUSINESS LIGHTING PROGRAM	0.8300	0.6700	0.5561	0.8300	0.8700	0.7221
AVERAGE	0.8600	0.7560	0.6304	0.8160	0.9640	0.7680

Taken from 2017 Final Verified Results. Available as an attachment.

Verified Results not available. Most similar program is Small Business Lighting.

Taken from 2017 Final Verified Results. Available as an attachment.

PERSISTENCE - kWh	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Adjustment Factor									
											Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Save on Energy Heating & Cooling Program	87201	87201	87201	87201	87201	87201	87201	87201	87201	87201	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
Save on Energy Home Assistance Program	10395	10395	10395	10395	10395	10395	10395	10395	10395	10395	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
Save on Energy Retrofit Program	2002149	2007980	2007980	2007980	2007980	1969326	1969326	1969326	1968784	1968784	1.00000	1.00291	1.00000	1.00000	1.00000	0.98075	1.00000	1.00000	0.99972	1.00000
Save on Energy Small Business Lighting Program	719798	719798	719244	716081	710345	670467	584771	494935	298487	153154	1.00000	1.00000	0.99923	0.99560	0.99199	0.94386	0.87218	0.84637	0.60308	0.51310
Save on Energy High Performance New Construction Program	93636	93636	93636	93636	93636	93636	93636	93636	93636	93636	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
TOTAL																				

PERSISTENCE - kW	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	Adjustment Factor									
											Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Save on Energy Heating & Cooling Program	24	24	24	24	24	24	24	24	24	24	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
Save on Energy Home Assistance Program	1	1	1	1	1	1	1	1	1	1	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
Save on Energy Retrofit Program	375	376	376	376	376	370	370	370	370	370	1.00000	1.00267	1.00000	1.00000	1.00000	0.98404	1.00000	1.00000	1.00000	1.00000
Save on Energy Small Business Lighting Program	176	176	176	175	175	169	156	136	86	46	1.00000	1.00000	1.00000	0.99432	1.00000	0.96571	0.92308	0.87179	0.63235	0.53488
Save on Energy High Performance New Construction Program	18	18	18	18	18	18	18	18	18	18	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
TOTAL																				

INSTANT DISCOUNT PROGRAM **NOTE - DEMAND figures not provided by the IESO**

Taken from Participation and Cost Report - April 2019

New Savings in 2018 247540 kWh

New Savings in 2019 0 kWh

Persistence to 2020 245505 kWh Using the Coupon program which has a lower persistence value to be consistent.

COUPON PROGRAM - 2017 Verified Results				Persistence										Adjustments by Year											
Item	Net to Gross	Realization Rate	Adjustment Factor	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026		
kWh Energy	1.29	2.74	3.5346	479,095	385,552	385,552	385,552	385,552	385,552	385,552	385,548	385,548	384,600	1.00	0.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
kW Demand	1.3	2.75	3.575	33	27	27	27	27	27	27	27	27	27	1.00	0.82	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		

INSTANT SAVINGS - Program Review (see 2018 Residential Program Evaluation Report INSTANT SAVING.pdf, page 12)				Persistence is Not provided - Using COUPON PROGRAM as template.									
Item	Net to Gross	Realization Rate	Adjustment Factor	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
kWh Energy	1.333	0.881	1.174373	1.0000	0.8048	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9975
kW Demand	1.333	0.881	1.174373	1.0000	0.8182	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Instant Savings 2018 Entry	Net Energy Savings (kWh)	Net Energy Savings Persistence (kWh)									
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
	247,540	199,208	199,208	199,208	199,208	199,208	199,208	199,206	199,206	198,716	

1 **Appendix 9 – 2017 Final Verified Annual LDC CDM Program**

2 **Results_Niagara-on-the-Lake Hydro Inc._Report_20180629**

3

2017 Final Verified Annual LDC CDM Program Results Report

Letter from the Vice-President, Policy, Engagement & Innovation

June 29, 2018

To: Ontario’s Local Distribution Companies

At the mid-way point of the Conservation First Framework (CFF) Ontario’s Local Distribution Companies (LDCs) along with the IESO have shown significant progress towards the 2020 CFF 7.0 TWh target. The province has achieved 1.8 TWh of persisting energy savings in 2017, the highest performing year on record. Approximately 20% (\$364M) of the allocated \$1.835B CFF LDC Conservation Demand Management (CDM) budget was accounted for in 2017. From 2015, LDCs have achieved 4.8 TWh of energy savings, representing 69% of the CFF 7.0 TWh target. The savings realized to date demonstrate the significant efforts made by LDCs and the IESO in delivering and promoting conservation programs across the province.

Key highlights from the 2017 results include:

- The share of residential portfolio savings increased for the third consecutive year, accounting for 46% of 2017 results, while the business portfolio program contributed to 45%, and local/pilot/centrally delivered programs accounting for 9% of 2017 savings.
- The Coupon & Instant Discount residential retail program produced a record achievement of 740 GWh of persisting energy savings, increasing by over 53% of the results from 2016. LED light bulbs remained the most common measure accounting 91% of savings.
- The Retrofit program achieved 663 GWh of persisting energy savings in 2017, which represents a small reduction in savings despite completing approximately half the number projects compared to 2016 results (including adjustments). Lighting continues to represent the majority of results, representing 79% of savings in 2017.
- The Process and Systems Upgrades Program achieved 15 GWh in 2017, but also verified an additional 65 GWh in 2016 completed projects and 11 GWh in 2015 completed projects as part of this year’s evaluation. Behind-the-meter generation projects account for 82% of program savings-to-date.
 - o The data lag associated with unreported (yet completed) 2017 projects for the Retrofit and Process and Systems Upgrade programs remain an ongoing challenge. Together with the Heating & Cooling program, these programs have approximately 723 GWh in unverified savings yet to be reported by LDCs for which is anticipated to be reported a future verified annual results reports as 2017 adjustments.

Minor revisions were made to the final 2017 results relative to the preliminary 2017 results issued to LDCs on June 1, 2018. Details on the revisions between the 2017 preliminary and final verified results can be found in the 2017 Frequently Asked Questions (FAQs) along with key 2017 evaluation findings and province-wide and local program cost effectiveness test results posted alongside LDC results.

Consistent with prior year evaluation cycles, all 2017 final verified annual results reports will be posted on the IESO website in early July. LDC-specific cost effectiveness test results (program- and portfolio-level) will be available by September 15, 2017. Finally, 2017 EM&V reports will be available later this summer along with key program recommendations to be shared with the Joint Program Operations Committee (JPOC) and associated committees.

I look forward to the continued collaboration with LDCs and stakeholders building off lessons learned and implementing feedback from the mid-term review process to enhance current programs and future efforts.

Sincerely,

Terry Young
Vice-President, Policy, Engagement & Innovation
Independent Electricity System Operator

2017 Final Verified Annual LDC CDM Program 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	A high level summary of the Final 2017 Annual Verified Results Report, including: 1) progress toward the LDC's: a) Allocated 2020 Annual Energy Savings Target; b) Allocated 2015-2020 LDC CDM Plan Budget; c) CDM Plan 2015-2020 Forecasts; 3) annual savings and spending; 4) Annual FCR Progress; 5) annual LDC CDM Plan spending progress; 6) graphs describing: a) contribution to 2020 Target Achievement by program; b) 2017 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 Rankings	A comprehensive report of each LDC's performance rankings against all other LDCs in major performance categories.
4	LDC Progress	A comprehensive report of 2017 conservation results including: 1) activity; 2) savings including: a) energy and peak demand; b) net and gross; c) CDM Plan forecasts, verified actuals and relative progress; d) Allocated Target and Target acheivement; and 3) spending, including participant incentives and administrative expenses and IESO Value Added Services Costs. Data is grouped by category and summarized at the LDC level.
5	Province-Wide Progress	A comprehensive report of 2016 conservation results including: 1) activity; 2) savings including: a) energy and peak demand; b) net and gross; c) CDM Plan forecasts, verified actuals and relative progress; d) Allocated Target and Target acheivement; and 3) spending, including participant incentives and administrative expenses and IESO Value Added Services Costs. Data is grouped by category and summarized at the province wide level.
6	LDC Savings Persistence	A report detailing the gross and net energy and peak demand savings persistence by program and implementation year (2015, 2015 Adjustment, 2016, 2016 Adjustment and 2017) at the LDC Level.
7	Province-Wide Savings Persistence	A report detailing the gross and net energy and peak demand savings persistence by program and implementation year (2015, 2015 Adjustment, 2016, 2016 Adjustment and 2017) at the province wide Level.
8	Methodology	A description of the methods used to calculate energy savings, financial results and cost-effectiveness.
9	Reference Table	Provides detailing how Province wide Consumer Program results were allocated to specific LDCs.
10	Glossary	Definitions for the terms used throughout this report.

2017 Final Verified Annual LDC CDM Program Results Report

How to Use this Report

The IESO is pleased to provide you with the 2017 Final Verified Annual LDC CDM Program Results Report.

This report provides:

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

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

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

by both the LDC specific level and the province-wide aggregated level for 2017, 2016 including adjustments, and 2015 including adjustments.

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

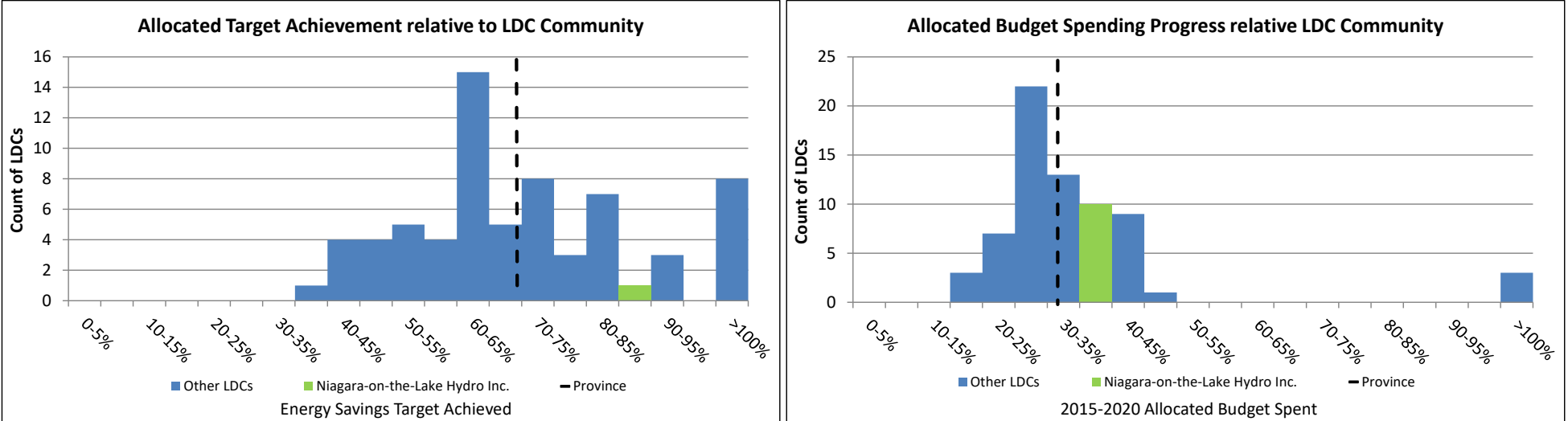
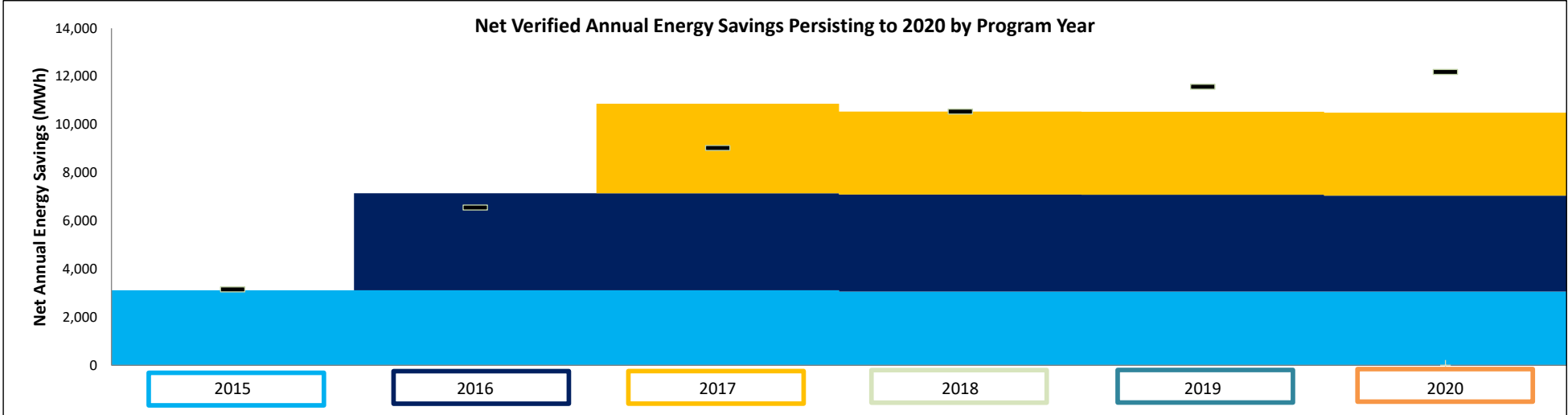
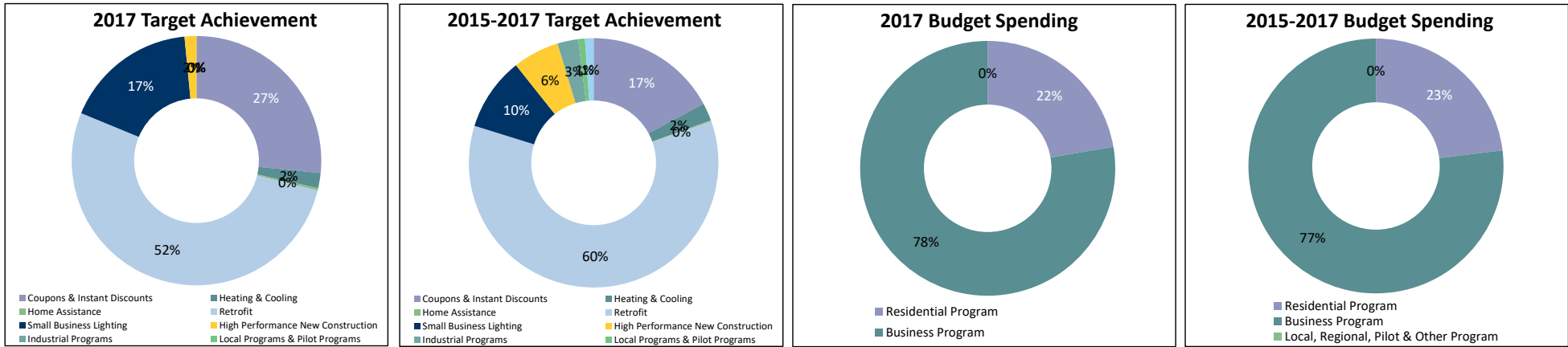
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2017 Final Verified Annual LDC CDM Program Results Report Summary

For: Niagara-on-the-Lake Hydro Inc.

Results		2015 Verified Results	2016 Verified Results	2017 Verified Results	2015-2017 Verified Results	Allocated Target / Budget	2015-2017 Progress versus Allocated Target / Budget	2015-2020 LDC CDM Plan Forecast	2015-2017 Progress versus 2015-2020 LDC CDM Plan Forecast	2017 LDC CDM Plan Forecast	2017 Progress versus 2017 LDC CDM Plan Forecast	2015-2017 LDC CDM Plan Forecast	2015-2017 Progress versus 2015-2017 LDC CDM Plan Forecast
1	Net Verified Annual Energy Savings Persisting to 2020	3,063 MWh	3,988 MWh	3,445 MWh	10,497 MWh	11,680 MWh	90 %	12,188 MWh	86 %	2,472 MWh	139 %	9,028 MWh	116 %
2	LDC Ranking - Net Verified Annual Energy Savings Persisting to 2020	38	36	40	38	43	12	43	8	37	30	37	46
3	Total Spending (\$)	\$ 0	\$ 425,446	\$ 647,548	\$ 1,072,994	\$ 2,993,633	36 %	\$ 2,221,857	48 %	\$ 674,316	96 %	\$ 1,099,317	98 %
4	LDC Ranking - Total Spending (\$)	41	41	41	40	43	22	46	4	39	29	40	17

Annual FCR Progress		2015 Program Year	2016 Program Year	2017 Program Year	Total 2015-2017 Framework-to-Date
1	Net Verified 2020 Annual Energy Savings from Full Cost Recovery Programs	18 MWh	3,988 MWh	3,445 MWh	7,451 MWh
2	CDM Plan Forecasted Net 2020 Annual Energy Savings from Full Cost Recovery Programs	2,607 MWh <i>(2015 Annual Milestone from FCR Programs)</i>	2,729 MWh <i>(2016 Annual Milestone from FCR Programs)</i>	2,184 MWh <i>(2017 Annual Milestone from FCR Programs)</i>	7,520 MWh <i>(Cumulative FCR Milestone)</i>
FCR Progress					99.1 %



2017 Final Verified Annual LDC CDM Program Results Report
LDC Rankings

LDC	Net Verified Annual Energy Savings Periods Ending 2016-2020												Total Spending																
	2015		2016		2017		2018		2019		2020		2015-2017		2015-2018		2015-2019		2015-2020		2017		2018		2019		2020		
	Verified Savings	Adjusted Savings	Verified Savings	Adjusted Savings	Verified Savings	Adjusted Savings	Verified Savings	Adjusted Savings	Verified Savings	Adjusted Savings	Verified Savings	Adjusted Savings	Progress versus Forecast	Progress versus Forecast	Progress versus Forecast	Progress versus Forecast	Progress versus Forecast	Progress versus Forecast	Progress versus Forecast	Progress versus Forecast	Progress versus Forecast	Progress versus Forecast	Progress versus Forecast	Progress versus Forecast	Progress versus Forecast	Progress versus Forecast	Progress versus Forecast	Progress versus Forecast	Progress versus Forecast
	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)	Value (\$M)
44 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
45 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
46 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
47 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
48 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
49 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
50 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
51 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
52 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
53 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
54 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
55 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
56 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
57 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
58 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
59 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
60 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
61 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
62 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
63 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
64 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
65 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
66 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
67 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
68 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
69 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
70 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
71 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
72 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
73 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
74 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
75 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
76 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
77 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
78 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
79 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
80 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
81 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
82 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
83 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833	38	3,068,114	38	3,445,058	38	10,496,063	38	11,680,050	43	29	36	12,187,538	43	28	14	28	14	28	14	28
84 Niagara-on-the-Lake Hydro Inc.	2,158,038	38	569,192	37	96,276	30	3,051,495	38	3,450,833																				

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-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
385	291	119	101	44	1,196	-	-	5	-	5	385	55	440	421	866	-	2	114	145	93
54	41	18	6	-	135	-	-	-	-	54	11	65	145	210	-	-	-	120	354	189
37	18	18	18	36	198	-	-	-	-	37	-	37	10	47	-	-	-	100	56	39
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	12	18	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	15	5	-	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
476	362	188	130	80	1,634	-	-	5	-	5	476	66	542	576	1,123	-	1	114	159	91

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-	-	-	-	-	-
37	18	18	18	15	123
-	-	-	-	-	-
32	19	29	10	-	125
-	-	-	-	-	-
69	37	47	28	15	248

-	-	-	-	-	-	-
6	1	-	7	-	-	7
10	-	-	10	-	-	10
35	-	-	35	-	-	35
-	-	-	-	-	-	-
51	1	-	52	-	-	52

41	-	-	10
100	-	-	41
100	-	-	33

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-	-	-	-	-	-	5	5	-	-	5	5	-	-	-	-	-	5	100	100	
69	37	47	28	15	253	397	58	2	457	-	-	-	-	-	-	457	802	-	280	
545	399	235	158	95	1.902	397	63	14	474	545	71	616	660	1.750	-	-	101	113	165	124

**Net
Incremental
2020 Annual
Peak
Demand
Savings**

Net Incremental First Year Energy Savings																			
Forecasted (kWh)							Verified (kWh)									Progress (%)			
2015	2016	2017	2018	2019	2020	Total	2015 Verified 2015 Results	2016 Verified 2015 Results	2017 Verified 2015 Results	Total Verified 2015 Results	2016 Verified 2016 Results	2017 Verified 2016 Results	Total Verified 2016 Results	2017 Verified 2017 Results	Total	Progress Total Verified 2015 Results	Total Verified 2016 Results	2017 Verified 2017 Results	Total

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-	-	-	-	-	-	-	3,267	-	-	3,267	-	-	-	-	-	3,267				
253,274	566,176	260,280	260,280	260,280	216,900	1,817,190	85,913	23,142	-	109,055	-	-	-	-	-	109,055	43	-	-	10
-	-	-	-	-	-	-	146,333	1,514	-	147,847	-	-	-	-	-	147,847				
66,343	106,387	27,895	53,422	25,528	-	279,575	65,698	645	-	66,343	-	-	-	-	-	66,343	100	-	-	33
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
319,617	672,563	288,175	313,702	285,808	216,900	2,096,765	301,211	25,301	-	326,512	-	-	-	-	-	326,512	102	-	-	26

-	-	-	-	-	-	71,357	4,802	-	76,159	-	-	-	-	76,159					
-	-	-	-	-	-	1,703,597	31,501	-8,635	1,726,463	-	-	-	-	1,726,463					
-	-	-	-	-	-	113,027	-	-41,352	71,675	-	-	-	-	71,675					
-	-	-	-	-	-	425,850	-	-	425,850	-	-	-	-	425,850					
-	-	-	-	-	-	57,642	-	-	57,642	-	-	-	-	57,642					
-	-	-	-	-	-	2,371,473	36,303	-49,987	2,357,789	-	-	-	-	2,357,789					

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	-	-	-	-	-	-	-	2,983	-	-	2,983	-	-	-	-	2,983				
	-	-	-	-	-	-	-	2,983	-	-	2,983	-	-	-	-	2,983				

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**Net
Incremental
First Year
Energy
Savings**

Net Incremental First Year Peak Demand Savings												
Forecasted (kW)								Verified (kW)				
2015	2016	2017	2018	2019	2020	Total	2015 Verified Results	2016 Verified Results	2017 Verified Results	Total Verified Results	2016 Verified Results	2017 Verified Results

-	-	-	-	-	-	-	-	-	37	4	41	43
-	-	-	-	-	-	-	-	-	-	-	-	40
-	-	-	-	-	-	-	-	-	32	1	33	19
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	69	5	74	103

16	-	-	-	-	-	-	16										
256	385	291	119	101	44	1,196			5		5	396	44	440	420		
16	54	41	18	6	-	135						58	12	70	146		
66	37	18	18	18	36	193						37		37	10		
		12	18	-	-	30											
44	-	-	15	5	-	64											
398	476	362	188	130	80	1,634			5		5	491	56	547	576		

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413	476	362	188	130	80	1,649		-	5	12	17	560	61	621	679					

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-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-
17	37	18	18	18	15	123	-	6	1	-	-	7	-	-	-	-	-
-	-	-	-	-	-	-	-	10	-	-	-	10	-	-	-	-	-
35	32	19	29	10	-	125	-	35	-	-	-	35	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	69	37	47	28	15	248	-	52	1	-	-	53	-	-	-	-	-

-	-	-	-	-	-	-	15	1	-	16	-	-	-	-	-	-
-	-	-	-	-	-	-	249	9	-	255	-	-	-	-	-	-
-	-	-	-	-	-	-	26	-	-10	16	-	-	-	-	-	-
-	-	-	-	-	-	-	66	-	-	66	-	-	-	-	-	-
-	-	-	-	-	-	-	18	-	-	18	-	-	-	-	-	-
-	-	-	-	-	-	-	374	10	-13	371	-	-	-	-	-	-

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5	-	-	-	-	-	-	5	-	-	-	-	-	-	-
57	69	37	47	28	15	253	475	11	-13	473	-	-	-	-
470	545	399	235	158	95	1,902	475	16	-1	490	560	61	621	679

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entive Spending																	
					Verified (\$)										Progress (%)		
2017	2018	2019	2020	Total	2015 Verified 2015 Results	2016 Verified 2015 Results	2017 Verified 2015 Results	Total Verified 2015 Results	2016 Verified 2016 Results	2017 Verified 2016 Results	Total Verified 2016 Results	2017 Verified 2017 Results	Total	Total Verified 2015 Results	Total Verified 2016 Results	2017 Verified 2017 Results	Total

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Participant Incentive Spending

[illegible]

-	-	-	-	-	-	-	-	2,116	-	2,116	3,400	5,516							
-	-	-	-	-	-	-	-	-	-	-	-	-							
-	-	-	-	-	-	-	-	2,150	-	2,150	-	2,150							
-	-	-	-	-	-	-	-	-	-	-	-	-							
-	2,970	-	-	-	-	-	-	2,962	-	2,962	2,937	5,899				100			199
-	2,970	-	-	-	-	-	-	7,228	-	7,228	6,337	13,565				243			457

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80																				

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**LDC
Administrative
Expense
Spending**

IESO Value Added Service Provider Cost / Variable Program Cost Administrative Expense Spending															
Forecasted (\$)							Verified (\$)								
2015	2016	2017	2018	2019	2020	Total	2015 Verified 2015 Results	2016 Verified 2015 Results	2017 Verified 2015 Results	Total Verified 2015 Results	2016 Verified 2016 Results	2017 Verified 2016 Results	Total Verified 2016 Results	2017 Verified 2017 Results	Total
								Adjustments	Adjustments		Adjustments				

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		-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

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Progress Report										Participation												
For: Province Wide																						
#	Programs	Unit of Measure	Forecasted (#)							Verified (#)							Progress vs Forecast (%)					
			2015	2016	2017	2018	2019	2020	Total	2015 Verified 2015 Results	2016 Verified 2015 Results Adjustments	2017 Verified 2015 Results Adjustments	Total Verified 2015 Results	2016 Verified 2016 Results	2017 Verified 2016 Results Adjustments	Total Verified 2016 Results	2017 Verified 2017 Results	Total	Total Verified 2015 Results	Total Verified 2016 Results	Total Verified 2017 Results	Total
2015-2020 Conservation First Framework Programs																						
Residential Province-Wide Programs																						
1	Save on Energy Coupon Program	Products	1,492,546	4,932,060	4,370,649	1,338,555	1,271,946	943,135	14,348,891	1,207,534	198,108	-	1,405,642	17,053,287	1,946,392	18,999,679	17,079,623	37,484,944	94	385	391	347
2	Save on Energy Instant Discount Program	Products	-	-	1,049,598	1,928,259	376,123	302,918	3,656,898	-	-	-	-	-	-	-	12,087,827	12,087,827	1,152	1,152	1,152	1,152
3	Save on Energy Heating & Cooling Program	Equipment	23,586	50,057	47,909	32,026	29,400	28,686	211,664	20,235	2,354	-	22,589	136,617	911	137,528	79,915	240,032	96	275	167	197
4	Save on Energy New Construction Program	Homes	3,333	7,187	8,319	6,979	8,500	6,967	41,285	-	6	5	11	130	74	204	328	543	0	3	4	3
5	Save on Energy Home Assistance Program	Homes	80,753	15,512	56,654	39,092	37,435	35,128	264,574	1,032	226	-	1,258	5,066	1,500	6,566	6,910	14,734	2	42	12	10
Sub-total: Residential Province-Wide Programs																						
Business Province-Wide Programs																						
6	Save on Energy Audit Funding Program	Projects	61	293	433	444	443	359	2,033	2	27	-	31	213	207	420	349	800	51	143	81	102
7	Save on Energy Retrofit Program	Projects	51,299	273,262	347,045	262,455	232,887	228,156	1,395,104	811	2,495	289	3,595	10,690	3,029	13,719	8,783	26,097	7	5	3	4
8	Save on Energy Small Business Lighting Program	Projects	22,186	18,102	72,570	74,811	70,263	60,606	318,538	-	-	-	2,421	64	2,485	7,565	10,050	-	14	10	9	
9	Save on Energy High Performance New Construction Program	Projects	59	293	4,784	4,647	4,576	4,568	18,927	-	8	3	11	180	61	241	167	419	19	82	3	6
10	Save on Energy Existing Building Commissioning Program	Projects	-	14	41	38	40	39	172	-	-	2	2	-	30	30	6	38	-	214	15	6
11	Save on Energy Business Refrigeration Incentive Program	Projects	-	306	16,748	21,710	20,262	16,934	75,360	-	-	-	-	-	-	-	1,077	1,077	-	-	16	16
12	Save on Energy Process & Systems Upgrades Program	Projects	41	3,338	172	170	115	112	3,348	-	-	-	-	-	12	123	16	20	-	0	9	1
13	Save on Energy Energy Manager Program	Projects	47	117	219	377	286	240	1,286	-	-	-	-	69	54	13	77	280	-	105	35	52
14	Save on Energy Monitoring & Targeting Program	Projects	7	6	26	25	26	23	113	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Save on Energy Retrofit Program - P4P	Projects	134	1,166	-	-	-	-	1,300	-	61	9	70	472	179	651	253	974	52	56	75	75
16	Save on Energy Process & Systems Upgrades Program - P4P	Projects	-	5	-	-	-	-	5	-	-	-	-	-	3	2	5	-	5	100	-	100
Sub-total: Business Province-Wide Programs																						
Local & Regional Programs																						
17	Adaptive Thermostat Local Program	Homes	-	1,041	5,000	5,000	5,000	5,000	21,041	-	-	-	-	-	-	-	-	-	-	-	-	-
18	Business Refrigeration Incentives Local Program	Projects	-	-	171	951	665	542	2,325	-	-	-	-	305	-	305	1,191	1,496	-	696	874	874
19	Conservation on the Coast Home Assistance Local Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	112	112	26	138	-	-	-	-
20	Conservation on the Coast Small Business Lighting Local Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	First Nations Conservation Local Program	Homes	-	750	1,363	747	890	780	4,530	-	-	-	-	-	-	-	2,135	2,135	-	157	101	101
22	High Efficiency Agricultural Pumping Local Program	Projects	-	-	3,944	5,268	6,581	6,581	22,374	-	-	-	-	-	-	-	-	-	-	-	-	-
23	Instant Savings Local Program	Homes	-	16,290	14,037	4,627	2,821	37,775	37,775	-	-	-	-	-	-	-	13,146	13,146	-	81	81	81
24	OPSaver Local Program	Projects	-	-	1	2	2	2	7	-	-	-	-	-	-	-	-	-	-	-	-	-
25	Pool Saver Local Program	Homes	-	-	5,605	6,118	6,008	5,736	23,467	-	-	-	-	-	-	-	1,958	1,958	-	35	35	35
26	PUMPSaver Local Program	Projects	-	16	269	168	134	67	654	-	-	-	-	5	1	6	193	199	38	72	70	70
27	RTUsaver Local Program	Projects	-	-	1,606	5,619	5,619	3,211	16,055	-	-	-	-	-	-	-	-	-	-	-	-	-
28	Social Benchmarking Local Program	Participants	-	1,333,125	2,390,945	3,744,545	4,430,904	4,457,000	16,356,519	-	-	-	-	-	764,789	764,789	1,050,385	1,815,174	-	57	44	45
Sub-total: Local & Regional Programs																						
LDC Innovation Fund Pilot Programs																						
29	Air Source Heat Pump – For Residential Space Heating LDC Innovation Fund	Homes	-	-	847	206	206	165	1,424	-	-	-	-	112	112	224	-	224	-	-	-	26
30	Air Source Heat Pump – For Residential Water Heating LDC Innovation Fund	Homes	-	-	-	-	-	-	-	-	-	-	-	-	69	69	-	69	-	-	-	-
31	Block Heater Timer LDC Innovation Fund Pilot Program	Equipment	-	-	4,000	4,285	4,270	4,270	16,825	-	-	-	-	-	-	-	1,599	1,599	-	-	40	40
32	Commercial Energy Management and Load Control (CEMLC) LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
33	Conservation Cultivator LDC Innovation Fund Pilot Program	Projects	1	-	-	-	-	-	1	-	-	-	4	4	-	-	-	-	-	400	-	400
34	Data Centre LDC Innovation Fund Pilot Program	Projects	-	1	12	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-
35	Electronics Take Back LDC Innovation Fund Pilot Program	Equipment	-	10,000	-	-	-	-	10,000	-	-	-	-	10,004	-	10,004	-	10,004	-	100	-	100
36	Energy Reinvestment LDC Innovation Fund Pilot Program	Projects	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
37	Home Energy Assessment & Retrofit LDC Innovation Fund Pilot Program	Homes	-	323	6	1,380	2,760	2,760	7,225	-	-	-	-	-	-	-	838	838	-	13,967	255	255
38	Hotel/Motel LDC Innovation Fund Pilot Program	Projects	-	5	5	7	7	7	31	-	-	-	-	-	-	-	4	4	-	80	40	40
39	Intelligent Air Technology LDC Innovation Fund Pilot Program	Projects	-	-	16	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-
40	OPSaver LDC Innovation Fund Pilot Program	Projects	-	5	-	-	-	-	5	-	-	-	-	5	-	5	-	5	-	100	-	100
41	PUMPSaver LDC Innovation Fund Pilot Program	Projects	-	18	-	-	-	-	18	-	-	10	-	10	-	-	-	10	-	56	-	56
42	Residential Direct Install LDC Innovation Fund Pilot Program	Homes	-	-	-	-	-	-	-	-	-	-	-	-	322	-	322	-	322	-	-	-
43	Residential Direct Mail LDC Innovation Fund Pilot Program	Homes	-	2	-	-	-	-	2	-	-	-	-	-	726	-	726	-	726	-	36,300	36,300
44	Residential Ductless Heat Pump LDC Innovation Fund Pilot Program	Homes	-	1	-	-	-	-	1	-	-	-	-	-	94	-	94	-	94	-	9,400	9,400
45	Retrocommissioning LDC Innovation Fund Pilot Program	Projects	-	77	-	77	50	30	234	-	-	-	-	75	-	75	-	75	-	97	-	97
46	RTUsaver LDC Innovation Fund Pilot Program	Projects	-	-	-	-	-	-	-	-	-	-	-	13	-	13	-	13	-	-	-	-
47	Small & Medium Business Energy Management System LDC Innovation Fund Pilot Program	Projects	-	-	133	-	-	-	133	-	-	-	-	-	45	45	754	799	-	567	601	601
48	Solar Powered Attic Ventilation LDC Innovation Fund Pilot Program	Homes	-	1,000	-	-	-	-	1,000	-	-	-	-	1,026	-	1,026	-	1,026	-	103	-	103
49	Toronto Hydro – Enbridge Joint Low-Income Program LDC Innovation Fund	Homes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	300	300	-	-	-	-
50	Truckload Event LDC Innovation Fund Pilot Program	Products	-	85,178	-	-	-	-	85,178	-	-	-	-	226,443	-	226,443	-	226,443	-	266	-	266
Sub-total: LDC Innovation Fund Pilot Programs																						
Centrally Delivered Programs																						
51	Industrial Accelerator Program	Projects	-	-	2	2	2	2	8	-	-	-	-	-	-	-	-	-	-	-	-	-
52	Save on Energy Energy Performance Program for Multi-Site Customers	Projects	-	-	5	11	4	4	24	-	-	-	-	-	-	-	39	39	-	780	780	780
53	Whole Home Pilot Program	Homes	-	-	5,090	2	2	2	5,090	-	-	-	-	-	-	-	10,359	10,359	-	204	204	204
Sub-total: Centrally Delivered Programs																						
Program Enabled Savings																						
54	Save on Energy Retrofit Program Enabled Savings	Claims	-	5	10	1	1	1	18	-	-	9	18	28	14	42	24	84	360	420	2,400	528
55	Save on Energy High Performance New Construction Program Enabled Savings	Claims	-	-	-	-	-	-	-	-	-	1	1	-	1	1	1	3	-	-	-	-
56	Save on Energy Process & Systems Upgrades Program Enabled Savings	Claims	-	-	-	-	-	-	-	-	-	-	1	1	1	2	2	5	-	-	-	-
Sub-total: Program Enabled Savings																						
Other																						
57	Non-Approved Program	Various	-	3,401	46,669	228,390	181,677	185,926	646,063	-	-	-	-	-	-	-	-	-	-	-	-	-
58	Unassigned Program	Various	-	-	5	21,188	21,189	21,192	63,574	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-total: Other																						
2011-2020 Conservation First Framework																						
Conservation Fund																						
59	Conservation Voltage Reduction Conservation Fund Pilot Program	Projects	-	-	1	-	-	-	1	-	-	-	-	-</								

Progress (%)						
Total	Total Verified 2015 Results	Total Verified 2016 Results	Total Verified 2017 Results	Total	2015-2020 CFF LDC CDM Plan Allocated Target (kWh)	Progress versus Target (%)

933,037,622	92	268	442	299	
320,679,244			1,989	1,989	
156,879,033	93	222	194	191	
4,124,220	51	58	21	33	
18,677,780	60	136	99	108	
1,433,397,899	90	254	502	326	

30,654,372	311	328	105	127
1,496,881,724	124	105	135	118
60,386,622	-	138	96	99
78,633,296	25	90	172	121
1,612,395	-	-	24	45
4,715,099	-	-	37	35
70,227,724	8	84	11	31
33,631,127	-	103	55	73
-	-	-	-	-
82,018,460	71	63	-	83
24,136,997	-	95	-	95
1,882,897,422	94	99	108	102

-	-	-	-
5,918,252		1,064	1,261
680,283			
-			
3,328,257	-	119	77
-		-	-
1,635,206		51	51
-			
5,969,040		76	76
16,936,219	195	187	187
-		-	-
112,500,855		1,101	1,101
146,368,112	106	356	343

408,171			-	29
117,155				
802,485			50	50
-				
90,118	48			48
1,145,480		88		88
-				
374,487		-	30	17
42,567		-	4	2
-			-	-
2,864,464		115		115
657,975		-		108
413,538				
347,825		59		59
157,963		5		5
1,799,960		71		71
370,393				
868,850			405	436
174,202		89		89
373,136				
6,807,732		209		209
17,830,495	405	90	35	76

-		-	-	
7,921,276		264,043	264,043	
6,600,326		463	463	
14,521,602		1,015	1,015	

-	-			-	
-				-	
-				-	
-	-			-	

-					
-					
58,726		1,288		1,288	
8,311,388	766			766	
573,850					
-	-	-	-	-	
-					
-					
8,943,964	111	271	386	117	

-	-	-	-
59,403,670	60	-	30
73,626,634	697	-	697
47,207,639	112	-	64
10,914,541	117	-	117
191,152,484	119	-	65

43,557,756	268			268
718,522,082	123	-	-	121
35,437,857	113	-	-	105
49,151,429	199			199
316,077				
846,985,201	129	-	-	126

271,908,402	131	-	-	92	
25,183,067	120			120	
-			-	-	
297,091,469	130	-	-	93	

13,348,189	130			130	
13,348,189	130			130	

7,275,075	945			945	
10,518,484	265			265	
1,359,095,827	128	-	-	105	
4,863,655,321	122	117	164	133	6,999,990,000 69

Net
Increment
2020 Annu
Energy
Savings

Net Incremental 2020 Annual Peak Demand Savings																				
Forecasted (kW)							Verified (kW)									Progress (%)				
2015	2016	2017	2018	2019	2020	Total	2015 Verified 2015 Results	2016 Verified 2015 Results	2017 Verified 2015 Results	Total Verified 2015 Results	2016 Verified 2016 Results	2017 Verified 2016 Results	Total Verified 2016 Results	2017 Verified 2017 Results	Total Verified 2017 Results	Total Verified 2015 Results	Total Verified 2016 Results	2017 Verified 2017 Results	Total	

2.536	10.999	6.918	2.325	2.201	1.832	26.811	2.008	294	-	2.302	27.830	3.174	31.004	29.298	62.604	91	282	424	306
		837	1.557	364	327	3.085			-					22.180	22.180			2.650	2.650
6.626	10.445	8.264	6.240	5.933	5.827	43.335	5.322	711	-	6.033	22.421	220	22.641	19.481	47.855	91	217	232	189
136	787	1.425	1.654	1.513	1.448	6.766		15	16	31	355	85	440	483	954	23	56	34	41
1.247	2.271	4.731	3.737	3.684	3.637	21.307	204	39	-	243	825	132	957	1.197	2.397	19	22	25	23
10.545	26.502	12.715	15.316	13.695	13.071	101.304	7.534	1.059	16	8.609	51.431	3.611	55.422	72.339	135.990	82	208	326	230

155	193	3,612	3,557	3,541	3,247	14,305	-	460	37	497	365	355	720	1,013	2,230	321	373	28	56
16,637	94,622	10,960	11,109	49,911	50,090	333,329	2,798	12,377	1,409	16,584	70,440	29,608	100,048	105,820	222,452	100	106	149	122
506	1,491	7,939	8,047	6,846	6,151	30,980	-	-	-	-	2,287	761	3,048	10,244	13,292	-	204	129	134
940	6,883	5,367	1,442	3,255	565	1,040	-	96	59	155	6,893	2,206	7,899	7,785	15,540	16	115	147	146
-	-	900	820	896	859	3,475	-	-	-	-	83	83	80	163	313	-	-	-	18
-	118	1,464	1,582	1,332	1,427	59,231	-	-	-	-	-	-	643	643	-	-	-	44	41
2,987	5,097	20,462	21,348	13,429	17,040	98,363	-	-	-	61	4,682	4,743	2,644	7,387	-	93	13	26	26
640	2,821	2,732	3,101	3,193	3,271	15,763	-	-	-	1,326	1,610	2,936	1,599	4,535	-	104	58	73	73
149	346	577	44	71	71	1,043	-	-	-	-	-	-	-	-	-	-	-	-	-
650	10,959	-	-	-	-	11,603	-	296	305	601	4,197	2,938	7,135	3,000	10,876	82	65	-	93
-	-	-	-	-	-	-	-	-	-	-	1,596	1,888	3,484	-	3,484	-	-	101	101
22,664	135,756	114,013	92,750	100,742	85,738	541,663	2,798	13,329	1,810	17,837	85,965	44,131	130,096	133,028	280,961	79	103	117	107

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-	-	144	17	17	14	192	-	-	-	-	4	8	12	-	12	-	-	-	8	
-	-	-	-	-	-	-	-	-	-	-	-	18	18	-	-	-	-	-	-	
-	-	3	3	4	4	14	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	-	-	-	-	-	15	-	-	-	12	12	-	-	-	-	-	-	-	-	
-	-	160	-	-	-	160	-	-	-	-	-	-	-	-	-	-	80	-	80	
-	-	-	-	-	-	-	-	-	-	-	36	-	36	-	-	-	-	23	-	
-	-	-	208	-	-	208	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	53	107	107	267	-	-	-	-	-	-	-	59	-	-	-	-	-	
-	125	125	176	176	176	778	-	-	-	-	-	-	-	-	7	-	-	6	3	
-	-	129	-	-	-	129	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	411	-	-	-	-	411	-	-	-	-	2	-	2	-	-	-	0	-	0	
-	70	-	-	-	-	70	-	-	68	-	68	-	-	-	-	-	-	-	97	
-	-	-	-	-	-	-	-	-	-	-	-	29	-	29	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	23	-	23	-	-	-	-	-	-	
-	234	-	-	-	-	234	-	-	-	-	-	32	32	-	-	-	14	-	14	
-	200	-	200	130	78	608	-	-	-	-	806	-	806	-	-	-	403	-	403	
-	-	-	-	-	-	-	-	-	-	-	27	-	27	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	11	11	146	-	-	-	-	-	
-	119	-	-	-	-	119	-	-	-	-	199	-	199	-	-	-	167	-	167	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	78	-	-	-	-	-	
-	204	-	-	-	-	204	-	-	-	-	428	-	428	-	-	-	210	-	210	
15	1,523	401	657	434	379	3,409	-	68	12	80	1,554	69	1,623	290	1,993	-	533	107	72	103

[illegible][illegible][illegible][illegible][illegible]

3,102	-	-	-	-	-	3,102	-	9,657	-	9,657	-	-	-	-	9,657	311	311
84,243	409	1,044	560	295	248	85,799	92,012	7,033	4,209	103,254	-	-	-	-	103,254	123	120
7,412	368	298	308	288	313	8,987	7,432	-	784	8,216	-	-	-	-	8,216	111	102
6,971	-	-	-	-	-	6,971	5,188	7,229	-	12,417	-	-	-	-	12,417	178	178
-	-	-	-	-	-	-	-	106	-	106	-	-	-	-	106	-	-
101,728	777	1,342	868	583	561	105,859	104,632	24,025	4,993	133,650	-	-	-	-	133,650	131	129

23,676	5,661	7,163	17,159	5,984	3,958	63,601	13,649	7,545	734	21,928	-	-	21,928	93	-	-	60
4,982	-	-	-	-	-	4,982	5,371	-	-	5,371	-	-	5,371	108	-	-	108
28,658	5,661	7,163	17,159	5,984	3,958	68,583	19,020	7,545	734	27,299	-	-	27,299	95	-	-	66

1.905	-	-	-	-	-	1.905	2.064	471	-	2.535	-	-	-	-	2.535	133	133
1.905	-	-	-	-	-	1.905	2.064	471	-	2.535	-	-	-	-	2.535	133	133

[illegible]

Net
Incremental
2020 Annual
Peak
Demand

[illegible]

39,254.365	178,340.878	95,432.950	34,208.517	32,034.688	26,295.762	405,567.160	31,459.586	4,531.473	-	35,991.059	427,989.595	49,843.524	477,833.119	521,520.622	1,035,344.800
-	-	16,125.173	27,499.665	5,217.810	3,646.754	52,489.402	-	-	-	-	-	-	-	421,811.863	421,811.863
12,452.123	34,611.838	35,224.580	26,149.259	20,750.461	19,504.178	148,692.439	10,181.961	1,384.912	-	11,566.873	76,249.162	744.673	76,993.835	68,318.325	156,879.033
702.622	3,515.448	3,292.363	8,490.585	8,706.173	8,424.523	38,231.954	-	70.679	285.368	356.047	1,624.371	397.324	2,021.695	1,746.478	4,134.220
2,354.851	6,838.992	7,380.763	7,162.127	7,002.786	6,748.178	38,837.847	1,145.792	284.282	-	1,430.073	7,590.437	1,646.201	9,236.638	8,294.971	18,907.683
54,763.861	223,307.156	163,906.165	103,120.103	73,711.918	64,619.395	683,818.802	42,787.339	6,271.346	285.368	43,040.053	513,453.525	162,731.722	566,085.287	1,042,638.259	1,656,067.958

4,172,585	13,826,096	21,717,556	21,467,301	21,393,335	19,546,353	<u>102,123,226</u>	16,292	1,990,887	173,533	2,333,012	2,799,382	2,720,527	5,519,909	22,801,451	<u>30,654,372</u>
108,080,672	674,932,366	471,178,325	342,665,663	317,615,797	311,934,246	<u>2,226,407,576</u>	19,243,297	8,985,143	29,216,377	136,368,137	537,409,685	178,392,040	715,891,693	636,766,848	<u>1,485,937,372</u>
3,326,951	1,508,956	504,232	503,699,298	37,569,753	33,494,523	<u>186,289,668</u>									
34,176,849	17,336,849	12,421,395	14,623,947	14,623,947	14,623,947	<u>106,366,186</u>		478,377	362,083	840,460	13,852,782	13,852,782	30,933,336	74,466,822	<u>74,466,822</u>
3,409,595	10,799,958	4,062,055	3,074,421	3,235,983	3,155,847	<u>18,258,268</u>							10,310,375	6,523,399	<u>6,523,399</u>
	1,175,267	15,681,707	17,282,642	14,651,507	12,018,288	<u>68,089,411</u>							730,126	882,723	<u>882,723</u>
27,510,818	62,619,779	138,665,563	164,923,817	227,685,637	142,528,637	<u>763,934,043</u>		17,265,066	17,265,066	78,676	51,959,167	52,737,843	15,201,978	85,204,887	<u>85,204,887</u>
5,815,935	22,015,204	21,787,988	23,341,893	23,727,907	24,097,696	<u>120,786,623</u>							10,347,864	26,705,422	<u>21,098,829</u>
1,485,500	1,809,500	7,054,180	2,629,487	2,228,998	2,531,716	<u>17,024,611</u>									
4,516,446	94,251,740						1,731,152	1,263,989	2,995,141	41,083,220	18,258,597	19,341,817	19,395,821	81,732,778	<u>81,732,778</u>
	25,420,443					<u>25,420,443</u>				10,957,531	17,317,466	24,136,997			<u>24,136,997</u>
<u>158,314,413</u>	<u>942,336,088</u>	<u>758,224,375</u>	<u>638,175,917</u>	<u>662,721,264</u>	<u>563,782,264</u>	<u>3,723,756,355</u>	19,405,889	92,115,559	48,281,048	<u>158,802,496</u>	<u>642,016,839</u>	<u>292,169,821</u>	<u>934,188,460</u>	<u>819,697,747</u>	<u>1,913,688,703</u>

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-	-	1,399,957	910,594	910,594	728,475	3,949,620	-	-	-	-	205,088	203,083	408,171	-	408,171
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	117,155
-	-	1,614,988	1,635,045	1,460,702	1,460,702	6,171,437	-	-	-	-	-	117,155	117,155	802,485	802,485
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
187,000	-	-	-	-	1,092,825	1,279,825	-	-	90,118	90,118	-	-	-	-	90,118
-	-	3,549,361	-	-	-	3,549,361	-	-	-	-	-	-	-	-	-
-	1,308,000	-	-	-	-	1,308,000	-	-	-	-	1,145,480	-	1,145,480	-	1,145,480
-	-	-	1,781,855	-	-	1,781,855	-	-	-	-	-	-	-	-	-
-	903,431	1,256,600	467,452	934,904	934,904	4,497,291	-	-	-	-	-	-	-	374,487	374,487
-	1,039,063	1,039,063	1,454,688	1,454,688	1,454,688	6,442,190	-	-	-	-	-	-	-	58,986	58,986
-	-	1,404,000	-	-	-	1,404,000	-	-	-	-	-	-	-	-	-
-	2,500,000	-	-	-	-	2,500,000	-	-	-	-	2,864,454	-	2,864,454	-	2,864,454
-	616,360	-	-	-	-	616,360	-	667,979	-	667,979	-	-	-	-	667,979
-	-	-	-	-	-	-	-	-	-	-	413,538	-	413,538	-	413,538
-	592,703	-	-	-	-	592,703	-	-	-	-	347,825	-	347,825	-	347,825
-	3,390,849	-	-	-	-	3,390,849	-	-	-	-	157,963	157,963	-	-	157,963
-	2,547,622	-	2,547,622	1,654,300	992,580	7,742,124	-	-	-	-	1,878,207	-	1,878,207	-	1,878,207
-	-	-	-	-	-	-	-	-	-	-	370,393	-	370,393	-	370,393
-	-	199,500	-	-	-	199,500	-	-	-	-	60,200	60,200	808,650	-	868,850
-	199,358	-	-	-	-	199,358	-	-	-	-	178,202	-	178,202	-	178,202
-	-	-	-	-	-	-	-	-	-	-	-	-	-	373,136	373,136
-	3,262,278	-	-	-	-	3,262,278	-	-	-	-	6,807,732	-	6,807,732	-	6,807,732
187,000	16,359,664	10,463,469	8,797,256	6,415,188	6,664,174	48,886,751	-	667,979	90,118	758,097	14,210,919	538,401	14,749,320	2,417,744	17,925,161

-	-	2,000	2,000	2,000	2,000	8,000	-	-	-	-	-	-	-
-	-	3,000	1,241,600	4,000	4,000	1,252,600	-	-	-	-	7,921,276	7,921,276	-
-	-	1,425,852	2,000	2,000	2,000	1,431,852	-	-	-	-	6,600,326	6,600,326	-
-	-	1,430,852	1,245,600	8,000	8,000	2,692,452	-	-	-	-	14,521,602	14,521,602	-

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-	-	3,000,000	-	-	-	3,000,000	-	-	-	-	-	-	1,274,792	1,274,792
328,828	-	-	-	-	-	328,828	328,828	-	328,828	-	-	-	-	328,828
1,085,006	4,559	-	-	-	-	1,085,006	-	-	58,726	-	-	58,726	-	58,726
6,392,465	94,400	94,400	-	-	-	6,581,265	8,311,388	-	8,311,388	-	-	-	364,714	8,311,388
2,978,654	-	-	-	-	-	2,978,654	-	-	188,353	20,783	209,136	-	-	573,850
11,772,873	-	-	-	-	-	11,772,873	17,391,939	-	17,391,939	-	-	-	-	17,391,939
22,557,826	98,959	3,094,400	-	-	-	25,751,183	11,772,874	-	11,772,874	-	-	-	-	11,772,874
							37,805,029	-	37,805,029	247,079	20,783	267,862	1,639,506	39,712,397

5,659,512	727,564	727,564	727,564	-	-	7,842,204	6,231,034	-	-	6,231,034	-	-	-	-	-	6,231,034
100,259,603	47,256,416	50,251,115	37,968,101	36,380,854	32,539,656	304,655,745	50,267,679	9,686,247	-	59,953,926	-	-	-	-	-	59,953,926
10,822,840	-	-	-	-	-	10,822,840	74,495,781	634,435	-	75,130,216	-	-	-	-	-	75,130,216
42,106,099	16,537,874	15,570,627	15,032,393	15,561,012	15,983,226	120,791,231	45,965,427	1,242,212	-	47,207,639	-	-	-	-	-	47,207,639
9,316,601	-	-	-	-	-	9,316,601	6,305,281	4,563,918	45,342	10,914,541	-	-	-	-	-	10,914,541
168,164,655	64,521,854	66,549,306	53,728,058	51,941,866	48,522,882	453,428,621	183,265,202	16,126,812	45,342	199,437,356	-	-	-	-	-	199,437,356

30,540,041	-	-	-	-	-	30,540,041	26,333,804	17,296,831	-	-	-	43,630,635
588,606,723	3,882,680	6,111,684	3,361,861	1,836,750	1,562,230	605,361,928	653,480,201	46,529,101	18,888,584	-	-	718,897,886
47,420,357	1,412,482	1,026,545	1,062,564	990,525	1,114,925	53,027,398	50,394,978	-	-17,158,166	-	-	33,236,812
24,679,488	-	-	-	-	-	24,679,488	22,022,383	27,140,198	-	-	-	49,162,581
890,207	-	1,000	-	1,000	1,000	894,207	947,849	316,077	-	-	-	1,263,926
692,136,816	5,295,162	7,139,229	4,425,425	2,828,275	2,678,155	714,503,062	753,179,215	91,282,207	1,730,418	846,191,840	-	846,191,840

210,126,846	42,393,120	46,382,500	144,488,660	44,278,840	28,142,340	515,812,306	122,704,030	142,180,049	9,012,548	273,896,627	273,896,627
28,980,750	-	-	-	-	-	28,980,750	35,834,323	125,317	-	35,959,640	35,959,640
-	-	3,423,530	3,423,530	3,423,530	3,423,530	13,694,000	1,369,000	-	1,369,000	1,369,000	-
239,107,596	42,393,120	49,806,030	147,912,160	47,702,340	31,565,840	558,487,056	159,907,353	142,305,366	9,012,548	311,225,267	311,225,267

13.02.27.912	-	-	-	-	-	-	13.02.27.912	14.906,764	1.722,061	-	16.628,825	-	-	-	-	16.628,825
13.02.27.912	-	-	-	-	-	-	13.02.27.912	14.906,764	1.722,061	-	16.628,825	-	-	-	-	16.628,825

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Progress (%)					Net Incremental First Year Energy Savings
Total Verified 2015 Results	Total Verified 2016 Results	2017 Verified Results	Total		
92	268	546	331		
-	-	2,746	2,746		
93	222	194	191		
51	58	21	33		
61	135	94	105		
90	254	636	375		
56	40	105	77		
126	106	135	119		
-	171	101	108		
25	90	172	121		
-	46	22	28		
-	-	33	31		
63	84	11	37		
-	121	97	96		
-	63	-	-		
66	95	-	83		
101	99	108	103		
-	-	-	-		
-	1,182	1,432	-		
-	-	-	-		
-	-	-	-		
-	119	-	77		
-	-	-	-		
-	51	-	51		
-	-	-	-		
-	76	-	76		
195	187	-	187		
-	-	-	-		
-	102	108	106		
102	104	104	104		
-	-	-	-		
-	50	-	50		
48	-	-	48		
-	88	-	88		
-	-	30	17		
-	6	-	3		
-	-	-	-		
115	-	-	115		
-	-	-	108		
59	-	-	59		
5	-	-	5		
74	-	-	74		
-	405	-	436		
89	-	-	89		
-	-	-	-		
209	-	-	209		
405	90	23	66		
-	-	-	-		
-	264,043	264,043	-		
-	463	-	463		
-	1,015	1,015	-		
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2017 Final Verified Annual LDC CDM Program Results Report Methodology

General

All results are at the end-user level, i.e. not including losses as a result transmission and distribution lines.

2015 results are based on projects completed between January 1, 2015 and December 31, 2015; 2016 results are based on projects completed between January 1, 2016 and December 31, 2016; and 2017 results are based on projects completed between January 1, 2017 and December 31, 2017.

The 2015 verified results considers projects reported to the IESO between January 1, 2015 and March 31, 2016; the 2016 verified results considers projects reported to the IESO between April 1, 2016 and April 15, 2017; the 2017 verified results considers projects reported to the IESO between April 16, 2017 and April 15, 2018.

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

Savings Calculations

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

Cost Determination

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

E.g. if an LDC reports by the December 2017 IESO Reporting Period: 1) program savings; and 2) Participant Incentives; associated with a 2017 completed project, as well as 3) Administrative Expenses; then: a) the savings; b) expenditures; and c) corresponding cost effectiveness; are attributed to the 2017 program year.

However if the same is reported in or after the January 2018 IESO Reporting Period: only the i) the savings and ii) costs for the purposes of Cost Effectiveness Test calculations will be attributed to the 2017 program year; The expenditures for the purposes of spending reporting (in the Monthly Participation & Cost Report and this Verified Annual LDC CDM Program Results Report) will be allocated to the 2018 program year and will not appear.

2015-2020 Conservation First Framework

#	Program	Attributing Savings to LDCs	Project List Date	Savings 'start' Date	Calculating Resource Savings
1	Save on Energy Coupon Program	LDC-coded coupons directly attributed to LDC; Otherwise results are allocated based on Consumer Program Allocation Reference Table.	April 15, 2018	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 Instant Discount Program	Results are allocated based on Consumer Program Allocation Reference Table.	April 15, 2018	Savings are considered to begin in the year in which the event occurred.	
3	Save on Energy Heating & Cooling Program	Results directly attributed to LDC based on customer applications and postal code.	April 15, 2018	Savings are considered to begin in the year that the installation occurred.	
4	Save on Energy New Construction Program	Results are directly attributed to LDC based on LDC identified in LDC Report	April 15, 2018	Savings are considered to begin in the year of the project completion date.	
5	Save on Energy Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year in which the measures were installed.	
6	Save on Energy Audit Funding Program	Projects are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	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	Save on Energy Retrofit Program	Projects are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year of the actual project completion date as reported in the LDC Report	Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/ prescriptive track).
8	Save on Energy Small Business Lighting Program	Results are directly attributed to LDC based on the LDC specified on the work order.	April 15, 2018	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumptions multiplied by the uptake of each measure accounting for the realization rate for both peak demand and energy to reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
9	Save on Energy High Performance New Construction Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined by the total savings for a given project as reported in the CDM LDC Report Template. Preliminary unverified net savings are calculated by multiplying reported savings by 2016 Net-to-gross ratios and realization rates.
10	Save on Energy Existing Building Commissioning Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year of the actual project completion date.	
11	Save on Energy Business Refrigeration Incentive Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
12	Save on Energy Process and Systems Upgrades Program	Results are directly attributed to LDC based on LDC identified in application.	April 15, 2018	Savings are considered to begin in the year in which the project was in-service.	
13	Save on Energy Energy Manager Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year in which the project was completed by the energy manager.	
14	Save on Energy Monitoring and Targeting Program	Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year in which the incentive project was completed.	

2011-2014+2015 Extension Legacy Framework

#	Initiative	Attributing Savings to LDCs	Project List Date	Savings 'start' Date	Calculating Resource Savings
1	saveONenergy Appliance Retirement Initiative	2015 Results only. Includes both retail and home pickup stream. Retail stream allocated based on average of 2008 & 2009 residential throughput; Home pickup stream directly attributed by postal code or customer selection.	April 15, 2018	Savings are considered to begin in the year the appliance is picked up.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
2	saveONenergy Conservation Instant Coupon Booklet	2015 Results only. LDC-coded coupons directly attributed to LDC. Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	April 15, 2018	Savings are considered to begin in the year in which the coupon was redeemed.	
3	saveONenergy Bi-Annual Retailer Event	2015 Results only. Results are allocated based on average of 2008 & 2009 residential throughput.	April 15, 2018	Savings are considered to begin in the year in which the event occurs.	
4	saveONenergy HVAC Incentives	2015 Results only. Results directly attributed to LDC based on customer applications and postal code.	April 15, 2018	Savings are considered to begin in the year that the installation occurred.	
5	saveONenergy Residential New Construction	2015 Results only. Results are directly attributed to LDC based on LDC identified in application in the iCon system.	April 15, 2018	Savings are considered to begin in the year of the project completion date.	
6	saveONenergy Energy Audit	2015 Results only. Projects are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	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	2015 Results only. Results are directly attributed to LDC based on LDC identified at the facility level in the iCon system. Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see page for Building type to Sector mapping.	April 15, 2018	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 2015)
8	saveONenergy Direct installed Lighting	2015 Results only. Results are directly attributed to LDC based on the LDC specified on the work order.	April 15, 2018	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumptions multiplied by the uptake of each measure accounting for the realization rate for both peak demand and energy to reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
9	saveONenergy New Construction and Major Renovation Incentive	2015 Results only. Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	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).
10	saveONenergy Existing Building Commissioning Incentive	2015 Results only. Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018		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	saveONenergy Process & System Upgrades	2015 Results only. Results are directly attributed to LDC based on LDC identified in application.	April 15, 2018	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
12	saveONenergy Energy Manager	2015 Results only. Results are directly attributed to LDC based on LDC identified in application.	April 15, 2018	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 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.
13	saveONenergy Monitoring & Targeting	2015 Results only. Results are directly attributed to LDC based on LDC identified in application.	April 15, 2018	Savings are considered to begin in the year in which the incentive project was completed.	
14	saveONenergy Home Assistance Program	2015 Results only. Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018	Savings are considered to begin in the year in which the measures were installed.	
15	Aboriginal Conservation Program	2015 Results only. Results are directly attributed to LDC based on LDC identified in the application.	April 15, 2018		
16	Program Enabled Savings	2015 Results only.	April 15, 2018		

2017 Final Verified Annual LDC CDM Program Results Report

Consumer Program Allocation Reference Table

#	Local Distribution Company	Allocation (%)
1	Alectra Utilities Corporation	19.77
2	Algoma Power Inc.	0.18
3	Atikokan Hydro Inc.	0.02
4	Attawapiskat Power Corporation	0.01
5	Bluewater Power Distribution Corporation	0.62
6	Brantford Power Inc.	0.67
7	Burlington Hydro Inc.	1.34
8	Canadian Niagara Power Inc.	0.35
9	Centre Wellington Hydro Ltd.	0.11
10	Chapleau Public Utilities Corporation	0.03
11	COLLUS PowerStream Corp.	0.25
12	Cooperative Hydro Embrun Inc.	0.06
13	E.L.K. Energy Inc.	0.25
14	Energy+ Inc.	1.12
15	Entegrus Powerlines Inc.	0.70
16	EnWin Utilities Ltd.	1.49
17	Erie Thames Powerlines Corporation	0.32
18	Espanola Regional Hydro Distribution Corporation	0.06
19	Essex Powerlines Corporation	0.61
20	Festival Hydro Inc.	0.32
21	Fort Albany Power Corporation	0.01
22	Fort Frances Power Corporation	0.09
23	Greater Sudbury Hydro Inc.	0.80
24	Grimsby Power Incorporated	0.18
25	Guelph Hydro Electric Systems Inc.	0.85
26	Haltom Hills Hydro Inc.	0.59
27	Hearst Power Distribution Company Limited	0.05
28	Hydro 2000 Inc.	0.04
29	Hydro Hawkesbury Inc.	0.15
30	Hydro One Networks Inc.	27.29
31	Hydro Ottawa Limited	6.61
32	InnPower Corporation	0.33
33	Kashechewan Power Corporation	0.02
34	Kenora Hydro Electric Corporation Ltd.	0.09
35	Kingston Hydro Corporation	0.29
36	Kitchener-Wilmot Hydro Inc.	1.51
37	Lakefront Utilities Inc.	0.11
38	Lakeland Power Distribution Ltd.	0.23
39	London Hydro Inc.	2.61
40	Midland Power Utility Corporation	0.10
41	Milton Hydro Distribution Inc.	0.66
42	Newmarket-Tay Power Distribution Ltd.	0.60
43	Niagara Peninsula Energy Inc.	0.82
44	Niagara-on-the-Lake Hydro Inc.	0.13
45	North Bay Hydro Distribution Limited	0.42
46	Northern Ontario Wires Inc.	0.09
47	Oakville Hydro Electricity Distribution Inc.	1.51
48	Orangeville Hydro Limited	0.20
49	Orillia Power Distribution Corporation	0.22
50	Oshawa PUC Networks Inc.	1.48
51	Ottawa River Power Corporation	0.12
52	Peterborough Distribution Incorporated	0.46
53	PUC Distribution Inc.	0.65
54	Renfrew Hydro Inc.	0.05
55	Rideau St. Lawrence Distribution Inc.	0.07
56	Sioux Lookout Hydro Inc.	0.08
57	St. Thomas Energy Inc.	0.28
58	Thunder Bay Hydro Electricity Distribution Inc.	0.82
59	Tillsonburg Hydro Inc.	0.12
60	Toronto Hydro-Electric System Limited	15.57
61	Veridian Connections Inc.	2.39
62	Wasaga Distribution Inc.	0.18
63	Waterloo North Hydro Inc.	0.96
64	Welland Hydro-Electric System Corp.	0.31
65	Wellington North Power Inc.	0.06
66	West Coast Huron Energy Inc.	0.06
67	Westario Power Inc.	0.37
68	Whitby Hydro Electric Corporation	1.12
Total		100.00

2017 Final Verified Annual LDC CDM Program Results Report

Glossary

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

1 **Appendix 10 – Participation and Cost Report - Niagara-on-the-**
2 **Lake Hydro Inc. - 2019 04**
3

Program Participation & Cost Report

Message from the IESO Reporting Team

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

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

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

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

Program Participation & Cost Report

Table of Contents

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

Program Participation & Cost Report

How to Use This Report

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

This report provides:

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

to the extent known based on information received by the IESO in accordance with Section 9.2(c)(i) of the Energy Conservation Agreement.

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

- 1) program participation results including:
 - a) forecasts; b) actuals; and c) progress (forecast versus (vs) actuals);
- 2) program savings results including:
 - a) net 2020 annual energy savings;
 - b) allocated target, target achievement and progress towards target;
 - c) incremental net first year energy savings;
 - and where available reported by: i) forecasts; ii) unverified and verified actuals; and iii) progress (forecast vs actuals);
- 3) program spending including:
 - a) participation incentive spending;
 - b) administrative expense spending (including IESO value-added services costs);
 - c) aggregated total spending;
 - and for each cost: i) forecasts; ii) unverified and verified actuals; and iii) progress (forecast vs actuals);

This report's format is a dynamic sheet that can be expanded or collapsed by clicking the + button or "Show Detail" feature under the Data tab. Each of the results categories listed above have been grouped together for easy accessibility.

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Please note:

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

Program Participation & Cost Report Summary

Niagara-on-the-Lake Hydro Inc.
As of: **15-Apr-19**

CFF Target (kWh): 12,215,557
CFF Budget: \$2,221,866

CDM Plan vs Allocated
12,215,557 vs 11,676,214
\$2,221,866 vs \$2,993,633

Paid Pre-Funding
\$128,534

Summary of Performance Metrics

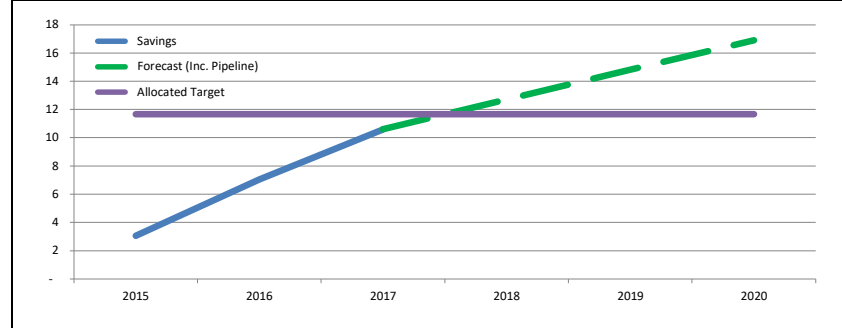
	2019 CDM Results	2019 CDM Plan %	6-year CDM Results	6-year CDM Plan %	6-year Allocated %
Net Energy Savings (kWh) as at 2020	153,514	15%	12,081,995	98.9%	103.5%
Total Actual Spending (\$)	\$ 98,147	27%	\$ 1,558,544	70.1%	52.1%
Cost-effectiveness: Total Resource Cost Test (Ratio)	3.31		2.45		
Cost-effectiveness: Program Administrator Cost Test (Ratio)	4.78		3.48		
Cost-effectiveness: Levelized Unit Electricity Cost (\$/kWh)	0.02		0.02		

LDC Ranking in the Province out of 67

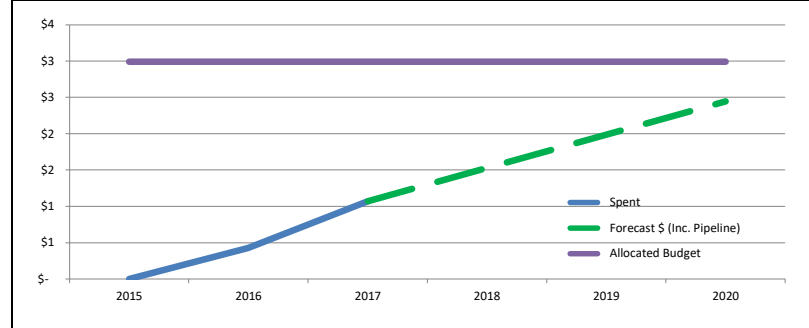
	Total % of 6-year Allocated Budget Spent	Total % of 6-year Allocated Target
This Month:	32	13
Last Month:	29	12

MTI Calculated Payout: \$ 104,967
2015-17 kWh & MTI Rate: 10,496,663 0.1 cents/kWh
Paid MTI Amount: \$ 104,967

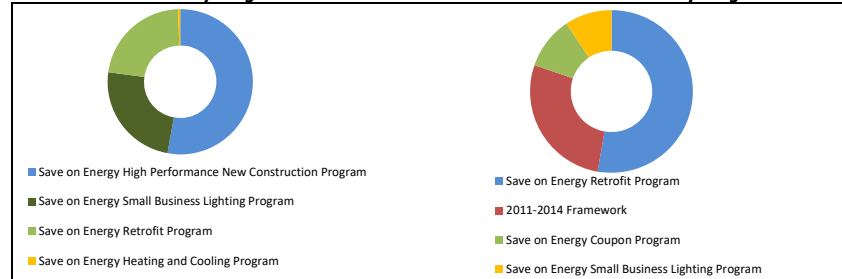
Forecasted Savings (GWh)



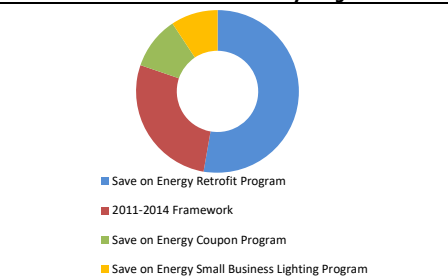
Forecasted Spending (Millions)



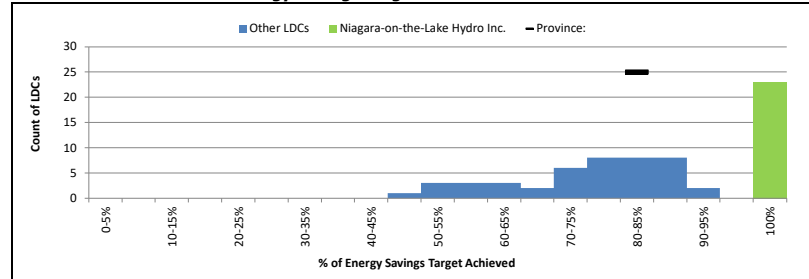
2019 % Contribution by Program



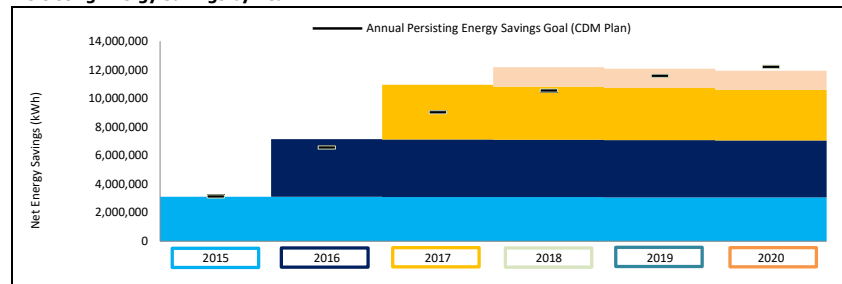
Framework to Date Contribution by Program



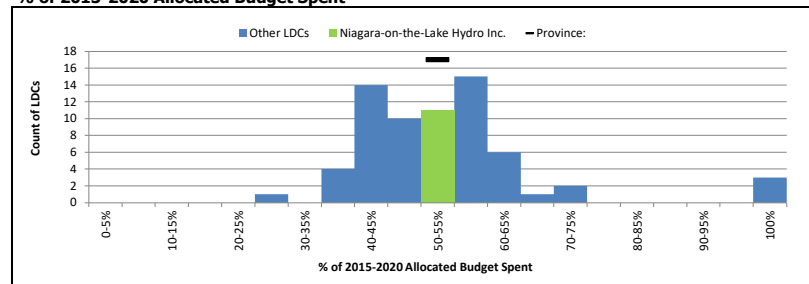
% of 2015-2020 Allocated Energy Savings Target Achieved



Persisting Energy Savings by Year



% of 2015-2020 Allocated Budget Spent



Niagara-on-the-Lake Hydro Inc.				2019 CDM Plan Forecast		6-year CDM Plan Forecast		Count (Incremental)	Energy Savings (Incremental)	Energy Savings (Persisting to 2020)	Spending (Year to Date)	Spending (Program to Date)	Cost Effectiveness (Year to Date)	Cost Effectiveness (Program to Date)
As of: 15-Apr-19				% kWh Target	% Budget Spent	% kWh Target	% Budget Spent							
Program														
Residential (Province- Wide)	Save on Energy Coupon Program			0%	0%	72%	56%							
	Save on Energy Heating and Cooling Program			2%	37%	98%	79%							
	Save on Energy Home Assistance Program			0%	0%	206%	357%							
	Save on Energy Instant Discount Program													
	Save on Energy New Construction Program													
	Save on Energy Smart Thermostat Program													
	Save on Energy Whole Home Program													
	Residential Programs Total			0%	13%	113%	87%							
Non- Residential (Province- Wide)	Save on Energy Audit Funding Program			0%	0%	0%	13737%							
	Save on Energy Retrofit Program			5%	17%	100%	60%							
	Save on Energy Retrofit Program - P4P													
	Save on Energy Retrofit Program Enabled Savings													
	Save on Energy Small Business Lighting Program			84%	187%	138%	108%							
	Save on Energy Business Refrigeration Program			1873%	356%	17%	12%							
	Save on Energy Energy Performance Program													
	Save on Energy Existing Building Commissioning Program			0%	0%	0%	25%							
	Save on Energy High Performance New Construction Program			125%	107%	63%	79%							
	Save on Energy High Performance New Construction Program Enabled Savings													
	Save on Energy Process & Systems Upgrades Program					0%	1435082%							
	Save on Energy Process & Systems Upgrades Program - P4P													
	Save on Energy Process & Systems Upgrades Program Enabled Savings													
	Save on Energy Energy Manager Program			0%	0%	0%	13%							
	Save on Energy Monitoring & Targeting Program			0%	0%	0%	897444%							
Non-Residential Programs Total			20%	30%	96%	67%								
Local LDC Programs														
LDC Innovation Pilots														
Target Gap														
Non-Approved Program														
Unassigned Program														
Energy Savings from 2011-2014 Framework						94%								
TOTAL Conservation First (CDM Plan Forecast)				15%	27%	99%	70%							
TOTAL Conservation First (Target and Budget Allocation)						103%	52%							

Province Wide Dashboard

High Level Summary

as of: 15-Apr-19

LDCs and IESO Centrally Delivered

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

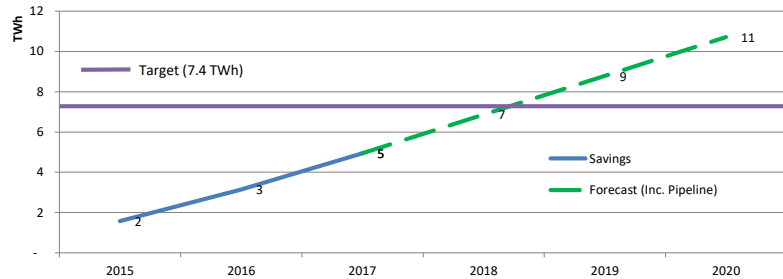
\$1268.1 million spent to date. 52% of allocated budget and 19% behind CDM plans.

IAP

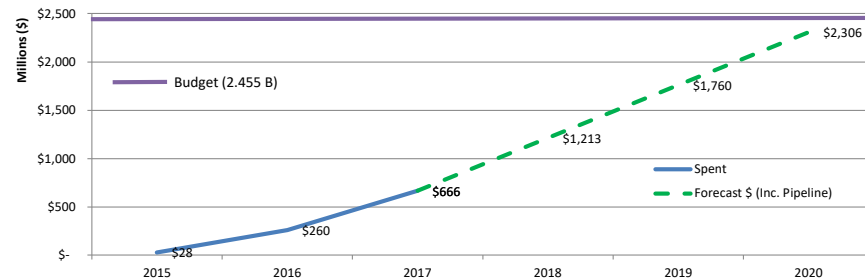
0.42 TWh achieved to date. 32% of allocated target.

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

Savings Summary (LDCs and IESO Centrally Delivered)



Spending Summary (LDCs and IESO Centrally Delivered)



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

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

Central Services Spending in millions

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

Assumptions

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

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

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

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

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

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

Program Participation & Cost Report

IESO Value Added Services Costs and Centrally Delivered Costs

Niagara-on-the-Lake Hydro Inc.

Unless otherwise stated, all values are unverified

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

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

		Activity	Measures Installed	Net Incremental Energy Savings (kWh)	Administrative Expenses (Variable)	Participant Incentives	Total Value Added Services Spending
Provincial Value Added Services Actuals for the period	Coupon Total	Measures	38,087,165	1,035,550,189	\$ 10,575,058	\$ 101,323,731	\$ 111,898,788
	Instant Discount Program to Date Total	Measures	31,123,156	629,597,669	\$ 2,242,531	\$ 53,796,834	\$ 56,039,366
	Heating and Cooling Program to Date Total	Equipment	212,703	129,777,545	\$ 2,403,050	\$ 99,195,550	\$ 101,598,600
	Smart Thermostat Program to Date Total	Equipment	21,095	6,195,178	\$ 79,405	\$ 794,050	\$ 873,455
	LDC Value Added Services Provincial Total			1,801,120,581	\$ 15,300,044	\$ 255,110,165	\$ 270,410,209
LDC Value Added Services Actuals for the period	Coupon Total	Measures	44,494	1,249,822	\$ 11,028	\$ 118,016	\$ 129,044
	Instant Discount Program to Date Total	Measures	40,902	825,072	\$ 2,941	\$ 70,481	\$ 73,423
	Heating and Cooling Program to Date Total	Equipment	354	210,478	\$ 3,163	\$ 89,750	\$ 92,913
	Smart Thermostat Pilot Program to Date Total	Equipment	-	0	\$ -	\$ -	\$ -
	LDC Value Added Services LDC Total			2,285,372	\$ 17,133	\$ 278,247	\$ 295,380
Provincial Centrally Delivered Actuals for the period	CFF Labour				\$ 2,041,298		\$ 2,041,298
	Technical Services (to include tech reviewer)				\$ 36,364,605		\$ 36,364,605
	IESO Infrastructure (IS, IT, CRM, Call Centre)				\$ 6,729,087		\$ 6,729,087
	LDC Innovation Fund (Not including Whole Home)				\$ 13,087,154		\$ 13,087,154
	Collaboration Fund				\$ 4,604,611		\$ 4,604,611
	Capability Building, National Accounts & Energy Managers				\$ 4,774,004		\$ 4,774,004
	Province Wide Marketing & Market Research				\$ 35,652,336		\$ 35,652,336
	LDC Performance Incentives (MTI/ATI/ETI)				\$ 68,036,082		\$ 68,036,082
	Centrally Delivered Programs Total		161,778.2	12,529,974	\$ 23,606,155	\$ 4,313,506	\$ 27,919,661
	Centrally Delivered Provincial Total				\$ 194,895,330	\$ 4,313,506	\$ 199,208,837

Program Participation & Cost Report Save on Energy Retrofit Program - Multi-Site Applications

Month

By Month

Niagara-on-the-Lake Hydro Inc.		Count (Incremental)	Energy Savings (Incremental)	Energy Savings (Persisting to 2020)	2019 Incentive Budget	2019 Year to Date Incentive Actual	2019 Admin Budget	2019 Year to Date Admin Actual	2019 Total Budget	2019 Year to Date Total Actual	Spending (Year to Date)
As of: 15-Apr-19											
Provincial Actuals for the Period	Program										
	Save on Energy Retrofit Program				\$ 64,921,809	\$ 22,884,868	\$ 35,502,389	\$ 7,362,819	\$ 86,278,803	\$ 30,247,687	
	Save on Energy Retrofit Program - P4P				\$ 25,016,698	\$ 5,484,635	\$ 19,107,840	-	\$ 42,612,031	\$ 5,484,635	
	Multi-Site Applications*					\$ 2,560,615		\$ 222,980		\$ 2,783,595	
LDC Actuals for the Period	Program										
	Save on Energy Retrofit Program				\$ 97,000	\$ 19,399	\$ 160,000	\$ 25,461	\$ 257,000	\$ 44,860	
	Save on Energy Retrofit Program - P4P				-	-	-	-	-	-	
	Multi-Site Applications*					\$ 5,231		\$ 2,310		\$ 7,541	

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

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

Program Participation & Cost Report

Technology

General

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

Forecasting

Forecasting is a linear formula used to predict savings and spending. Savings are based on a 72 month period, spending is based on a 60 month period because of the longer retention pay. Savings and spending are calculated for some sectors from the data used for the denominator to determine how many more months should be projected forward (3 years 60 months, 100 years 120 months as described above). Forecasting is calculated as follows:

1/

Positive for Retrofit the relative data is based on projects not already submitted.

The stage application dates are discounted based on ranked year. If today's date less the creation date is 3 years or 100%, the discount rate is a random number between 100% - 100%, 2 years 92% - 100%, 1 year 70% - 100%

Discount rates were established based on an analysis conducted by the EPC using all previous value added data spanning from 2014 forward.

Results that stage applications and P&L applications are not discounted at all.

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

Instant Discounts savings are expected to be reduced by half as they are only 1 year's a year projected for Instant Discounts as opposed to 2 that was in 2018.

Capex Program is removed from future projections as the program is discontinued. It is then added back into the forecast similar to P&L.

Savings Calculations

#	Project Type	Description
1	Prescriptive Measures and Projects Programs	Green Reported Savings + Activity * The Grid-Assessment Savings Green Verified Savings + Green Reported Savings + Revaluation Rate Net Verified Savings - Green Verified Savings * Net-to-Green Ratio If savings are estimated in the program are the same regardless of three of a year a project was completed or measure installed)
2	Engineered and Custom Projects / Programs	Green Reported Savings + Reported Savings Green Verified Savings + Green Reported Savings + Revaluation Rate Net Verified Savings - Green Verified Savings * Net-to-Green Ratio If savings are estimated in the program are the same regardless of three of a year a project was completed or measure installed)
3	Adjustments to Previous Year's Verified Results	All savings from the final annual results history from prior years will be adjusted within this report. Any variance with regards to program issues, data lag, and adjustments etc., will be made within this report. Consider the annual effect of energy savings.

2013-2014-2015 Extension Legacy Framework Initiatives

#	Initiative	Attributing Savings to LDCs	Savings Start Date	Calculating Resource Savings	Project Cost
1	LowEnergy Conservation Instant Capex Toolkit	LDC-coded capex directly attributed to LDC. Other results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year in which the capex was released.		
2	LowEnergy B-Annual Rebate Event	Results are allocated based on savings of 2008 & 2009 residential throughput.	Savings are considered to begin in the year in which the event occurs.		
3	LowEnergy Appliance Rebate	Include both retail and home pickup driver. Retail capex discount based on average of 2008 & 2009 residential throughput. Home pickup driver directly attributed by gender ratio to customer acquisition.	Savings are considered to begin in the year the appliance is picked up.		
4	LowEnergy P&L Conversion	Results directly attributed to LDC based on customer acquisition and cost ratio.	Savings are considered to begin in the year that the acquisition occurred.		
5	LowEnergy Residential New Construction	Results are directly attributed to LDC based on LDC identified in application in the Gas system.	Savings are considered to begin in the year of the project completion date.		
6	LowEnergy Energy Audit	Projects are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the audit date.		
7	LowEnergy Efficiency - Equipment Replacement	Results are directly attributed to LDC based on LDC identified at the facility level in the Gas system. Projects in the Application Status: "Final Design" are included in this category. "Thermal Report" by LDC. These are per the Building type to Sector mapping.	Savings are considered to begin in the year of the actual project completion date in the Gas system.		
8	LowEnergy Energy Audit	Additional from project costs were derived by filtering out installed databases (i.e. Post-Project Submission). Payment denied by LDC and only including projects with a "Final Project Completion" (date) in 2014.			
9	LowEnergy Direct Installed Lighting	Results are directly attributed to LDC based on the LDC identified on the work order.	Savings are considered to begin in the year of the actual project completion date.		
10	LowEnergy New Construction and Major Renovation Incentive	Results are directly attributed to LDC based on LDC identified in the application.			
11	LowEnergy Building Commissioning Incentive				
12	LowEnergy Process & System Upgrade		Savings are considered to begin in the year in which the investment project was completed.		
13	LowEnergy Refinishing & Targeting	Results are directly attributed to LDC based on LDC identified in application.	Savings are considered to begin in the year in which the project was completed. If no date is specified the savings will begin in the year of the Quarterly Report submitted by the energy manager.		
14	LowEnergy Energy Manager				
15	LowEnergy Time Reduction Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the measure were installed.		
16	LowEnergy Marginal Conservation Program				

2015-2020 Conservation First Framework Programs

#	Program	Attributing Savings to LDCs	Savings Start Date	Calculating Resource Savings	Project Cost
1	Save on Energy Capex Program	LDC-coded capex directly attributed to LDC. Other results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year in which the project was released.		
2	Save on Energy Heating and Cooling Program	Include directly attributed to LDC based on customer acquisition and point-of-sale.			
3	Save on Energy New Construction Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the project completion date.		
4	Save on Energy Maintenance Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the measure were installed.		
5	Save on Energy Monitoring Program	Projects are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the audit date.		
6	Save on Energy Rebate Program	Results are directly attributed to LDC based on LDC identified at the facility level in the LowEnergy C&P. "Thermal Report" by LDC. These are per the Building type to Sector mapping.	Savings are considered to begin in the year of the actual project completion date as reported in the C&P LDC Report Template.		
7	Save on Energy Direct Installed Lighting	Results are directly attributed to LDC based on the LDC identified on the work order.	Savings are considered to begin in the year of the actual project completion date. Client is based off the actual completion date.		
8	Save on Energy High Performance New Construction Program	Results are directly attributed to LDC based on LDC identified in the application.			
9	Save on Energy Building Commissioning Program				
10	Save on Energy Process & System Upgrade Program	Results are directly attributed to LDC based on LDC identified in application.	Savings are considered to begin in the year in which the project was in service.		
11	Save on Energy Refinishing and Targeting Program	Results are directly attributed to LDC based on LDC identified in the application. Includes no cost projects, no completed projects in 2011, 2012, or 2013.	Savings are considered to begin in the year in which the project was completed. If no date is specified the savings will begin in the year of the Quarterly Report submitted by the energy manager.		
12	Save on Energy Energy Manager Program	Results are directly attributed to LDC based on LDC identified in the application.			
13	Active Refrigeration Incentive Program				
14	Solar Electrification Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the report was sent.		
15	Pre-Nations Conservation Program				

2020 Value Added Service Costs

- 1) 2020 Value Added Service Costs are based on activity reported as of March 31, 2020.
- 2) Save on Energy Heating & Cooling Program activity may be greater than the March 2020 2020 Value Added Service Report due to previously unassigned applications being assigned to LDCs through the Evaluation, Measurement & Verification Process based on additional application point-of-sale response. These additional applications and costs will be reflected in the July 2020 2020 Value Added Service Report.
- 3) Future years may include adjustments to prior years based on data of value added service report submissions to 2020 from 2020 Value Added Service providers.
- 4) 2020 Value Added Service costs are calculated based on the pre-existing 2020 Value Added Service data as per the applicable 2020 Central Services Strategy and Rate Guidelines.

Program Participation & Cost Report

Glossary

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

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

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