



# 2017 IRM Rate Application

EB-2016-0095

This page is intentionally blank

# **NIAGARA-ON-THE-LAKE HYDRO INC. - EB-2016-0095**

## **APPLICATION FOR DISTRIBUTION RATES EFFECTIVE MAY 1, 2017**

### **MANAGER'S SUMMARY**

#### **Table of Contents**

1. INTRODUCTION.....	2
2. RETAIL TRANSMISSION SERVICE RATES .....	5
3. LRAM VARIANCE ACCOUNT (LRAMVA) .....	8
4. GROUP 1 DEFERRAL AND VARIANCE ACCOUNTS.....	40
5. DISTRIBUTION RATES.....	63
6. PROPOSED RATES TARIFF.....	65
7. BILL IMPACTS.....	66
8. IESO SETTLEMENT .....	77

#### **Additional Files Submitted via RESS**

- **Tariffs**
  - NOTL\_2017\_IRM\_Current Tariff Sheet\_20161004.pdf
  - NOTL\_2017\_IRM\_Proposed Tariff 2017\_20161004.xlsx
  - NOTL\_2017\_IRM\_Proposed Tariff 2017\_20161004.pdf
- **Rate Generator**
  - NOTL\_2017\_IRM\_RateGen\_Model\_Version 1 2.xlsm
  - NOTL\_2017\_IRM\_RateGen\_Model\_Version 1 2.pdf
- **LRAM**
  - NOTL\_LRAMVA\_Work\_Form\_20161017.xlsx
  - NOTL\_LRAMVA\_Work\_Form\_20161017.pdf
  - 2011-2014 Final Results Report\_HCNiagara-on-the-Lake Hydro Inc.xlsx
  - Final 2015 Annual Verified Results Report - Annual Persistence\_Niagara-on-the-Lake Hydro Inc.\_20160729.xlsx
  - Final 2015 Annual Verified Results Report\_Niagara-on-the-Lake Hydro Inc.\_20160630.xlsx
  - NOTL Persistence savings 2011-2014.xlsx
- **Notice of Dispute with IESO (See Section 4, Page 45 of this Manager's Summary)**
  - NOTL Hydro - Notice of Dispute - August 2016.pdf

## **1. INTRODUCTION**

### **Publication**

Niagara-on-the Lake Hydro ("NOTL Hydro") recommends that the notice of application appear in the local weekly newspaper, "The Niagara Advance", which is not a paid publication and has a circulation of approximately 8,000 per week. This publication is appropriate because it is delivered to all those affected, i.e. all residences and businesses in Niagara-on-the-Lake.

### **Those Affected**

Those who are affected by this application are all residences, businesses and other electricity users within the municipal boundaries of the Town of Niagara-on-the-Lake.

### **Application Contact**

The contact for this application until November 18, 2016 is:

Philip Wormwell  
Vice President, Finance  
Phone: 905.468.4235 x380  
E-mail: [pwormwell@notlhydro.com](mailto:pwormwell@notlhydro.com)

After this date, please contact Tim Curtis, President, [tcurtis@notlhydro.com](mailto:tcurtis@notlhydro.com) for the appropriate contact during the remainder of the 2017 IRM process.

### **Certification**

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

### **Revenue-Cost Ratio Adjustments**

There were no revenue-cost ratio adjustments in NOTL Hydro's 2014 re-basing. Hence there are no such adjustments required in this 2017 rates application.

1 **Pre-populated Data**

2 Further to Section 3.1.3 of the Chapter 3 Filing Requirements, NOTL Hydro  
3 confirms that the billing determinants for the pre-populated models are accurate.

4 **Summary of What Rates are Changing**

5 **1. Current items with no proposed change**

6 In this application, the following items are requested to be continued without  
7 change:

- 8 ○ Rate classes
- 9 ○ Loss factors
- 10 ○ Allowances and specific service charges
- 11 ○ Retail Service charges
- 12 ○ microFIT service charge
- 13 ○ Rate Riders for Smart Metering Entity Charges - effective until October  
14 31, 2018
- 15 ○ Rate Riders for Disposition of Account 1576, effective until April 30, 2019
- 16 ○ Rate Riders for Supplemental Disposition of Account 1576, effective until  
17 April 30, 2019
- 18 ○ Rate Riders for Recovery of Incremental Capital - in effect until the  
19 effective date of the new cost-of-service-based rate order
- 20 ○ Wholesale Market Service Rate
- 21 ○ Ontario Electricity Support Program Charge
- 22 ○ Standard Supply Service Administrative Charge

23 **2. Sunset Items**

24 The following current rate riders are effective until April 30, 2017 and are  
25 requested to be discontinued at that time:

- 26 ○ Rate Riders for Deferral/Variance Accounts disposition (2016)
- 27 ○ Rate Riders for Global Adjustment Account disposition (2016)

1   **3. New Items**

2       The following are new items requested to be effective from May 1, 2017:

- 3       ○ Rate Riders for Deferral/Variance Accounts disposition (2017) - effective
- 4       until April 30, 2018
- 5       ○ Rate Riders for Global Adjustment Account disposition (2017) - effective
- 6       until April 30, 2018
- 7       ○ Rate Riders for Application of Tax Change (2017) - effective until April 30,
- 8       2018
- 9       ○ Rate Riders for Disposition of Lost Revenue Adjustment Mechanism
- 10      Variance Account (LRAMVA) (2017) – effective until April 30, 2018.

11   **4. Adjusted Items**

12      The following items are requested to be adjusted:

- 13      ○ Distribution service charges (except microFIT)
- 14      ○ Distribution volumetric rates
- 15      ○ Retail transmission rates – Network
- 16      ○ Retail transmission rates – Line and Transformation Connection
- 17      ○ Rural or Remote Electricity Rate Protection Charge (per Throne Speech
- 18      announcement, September 12, 2016)

## **2. RETAIL TRANSMISSION SERVICE RATES (“RTSRs”)**

NOTL’s application to adjust RTSRs uses the 2017 IRM Rate Generator Model provided by the OEB to calculate the proposed rates.

### **Historical Network and Connection Costs**

NOTL’s historical costs (2015) consist of only IESO-invoiced costs for network and line connection. NOTL owns its own transformer stations and consequently has no IESO-invoiced transformation costs. NOTL also has no Hydro One-invoiced transmission costs. Table 2.1 below, from Sheet 12 of the OEB model represents the historical network and line connection costs for the year 2015:

**Table 2.1 – Historical Network and Connection Costs (2015)**

IESO Month	Network			Line Connection		
	Units Billed	Rate	Amount	Units Billed	Rate	Amount
January	31,159	\$ 3.78	\$ 117,781	31,631	\$ 0.86	\$ 27,203
February	31,575	\$ 3.78	\$ 119,354	31,935	\$ 0.86	\$ 27,464
March	28,630	\$ 3.78	\$ 108,221	28,630	\$ 0.86	\$ 24,622
April	23,596	\$ 3.78	\$ 89,193	24,493	\$ 0.86	\$ 21,064
May	31,912	\$ 3.78	\$ 120,627	33,288	\$ 0.86	\$ 28,628
June	29,758	\$ 3.78	\$ 112,485	31,648	\$ 0.86	\$ 27,217
July	41,544	\$ 3.78	\$ 157,036	41,888	\$ 0.86	\$ 36,024
August	40,781	\$ 3.78	\$ 154,152	41,240	\$ 0.86	\$ 35,466
September	39,196	\$ 3.78	\$ 148,161	41,346	\$ 0.86	\$ 35,558
October	22,083	\$ 3.78	\$ 83,474	23,816	\$ 0.86	\$ 20,482
November	34,004	\$ 3.78	\$ 128,535	36,886	\$ 0.86	\$ 31,722
December	22,229	\$ 3.78	\$ 84,026	27,260	\$ 0.86	\$ 23,444
<b>Total</b>	<b>376,467</b>	<b>\$ 3.78</b>	<b>\$ 1,423,045</b>	<b>394,061</b>	<b>\$ 0.86</b>	<b>\$ 338,892</b>

### **Forecast Costs with new Uniform Transmission Rates (“UTRs”)**

When the most recent Board approved UTRs from Sheet 11 of the OEB IRM Generator model are applied against the above historical billing, the historical network and line connection costs adjusted for the new UTR levels are as shown in Table 2.2 below, from Sheet 14 of the OEB model:

Table 2.2 – Forecast Network and Connection Costs

IESO				Network			Line Connection		
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount
January	31,159	\$ 3.6600	\$ 114,042	31,631	\$ 0.8700	\$ 27,519			
February	31,575	\$ 3.6600	\$ 115,565	31,935	\$ 0.8700	\$ 27,783			
March	28,630	\$ 3.6600	\$ 104,786	28,630	\$ 0.8700	\$ 24,908			
April	23,596	\$ 3.6600	\$ 86,361	24,493	\$ 0.8700	\$ 21,309			
May	31,912	\$ 3.6600	\$ 116,798	33,288	\$ 0.8700	\$ 28,961			
June	29,758	\$ 3.6600	\$ 108,914	31,648	\$ 0.8700	\$ 27,534			
July	41,544	\$ 3.6600	\$ 152,051	41,888	\$ 0.8700	\$ 36,443			
August	40,781	\$ 3.6600	\$ 149,258	41,240	\$ 0.8700	\$ 35,879			
September	39,196	\$ 3.6600	\$ 143,457	41,346	\$ 0.8700	\$ 35,971			
October	22,083	\$ 3.6600	\$ 80,824	23,816	\$ 0.8700	\$ 20,720			
November	34,004	\$ 3.6600	\$ 124,455	36,886	\$ 0.8700	\$ 32,091			
December	22,229	\$ 3.6600	\$ 81,358	27,260	\$ 0.8700	\$ 23,716			
<b>Total</b>	<b>376,467</b>	<b>\$ 3.66</b>	<b>\$ 1,377,869</b>	<b>394,061</b>	<b>\$ 0.87</b>	<b>\$ 342,833</b>			

It is noted that in the OEB model available at the time of NOTL Hydro's application, the wholesale billing forecast rates (effective Jan 1, 2017) in Sheet 11 are shown as being the same as the current rates effective Jan 1, 2016.

### Billing Determinants for RTSRs

The billing determinants used to calculate the revenue are from the 2015 actual data, as reported in RRR 2.1.5 in April 2016. These determinants are per Table 2.3 below taken from Sheet 10 of the OEB model:

Table 2.3 – Billing Determinants

Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Loss Adjusted Billed kWh
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0072	70,322,391	0	1.0379	72,987,610
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0015	70,322,391	0	1.0379	72,987,610
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066	41,712,512	0	1.0379	43,293,417
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0015	41,712,512	0	1.0379	43,293,417
Retail Transmission Rate - Network Service Rate	\$/kW	2.6811	39,592,928	105,726		
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.5207	39,592,928	105,726		
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	2.8977	44,190,523	94,613		
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.2524	44,190,523	104,897		
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0066	245,994	0	1.0379	255,317
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0015	245,994	0	1.0379	255,317
Retail Transmission Rate - Network Service Rate	\$/kW	2.0216	979,421	2,807		
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	0.4026	979,421	2,807		

Please note that the GS>50 kWh and kW data pre-populated in the model have been modified, to distinguish between non-interval and interval customers. The difference between the kW determinants for network versus connection GS >



50kW interval customers reflects that the demand applicable to network charges is “7-7” demand<sup>1</sup>, whereas the regular demand definition is applicable to connection charges. Due to the interval and non-interval customers being in the same GS>50kW rate class for NOTL Hydro, the RRR submission form 2.1.5 did not allow for the data specific to interval customers to be input. However, the data specific to interval customers is provided in Table 2.3 above.

### Proposed RTSR Rates

The following summary Table 2.4 of the proposed rates to recover forecast network and connection costs based on the billing determinants in Table 2.3 is taken from Sheet 15 of the OEB model:

Table 2.4 – Proposed RTSR Rates

Class	Rate Description	Unit	Proposed RTSR- Network
Residential	Network Service Rate	\$/kWh	0.0072
General Less Than 50 kW	Network Service Rate	\$/kWh	0.0066
General 50 To 4,999 kW	Network Service Rate	\$/kW	2.6843
General 50 To 4,999 kW	Network Service Rate - Interval Metered	\$/kW	2.9011
Unmetered Scattered Load	Network Service Rate	\$/kWh	0.0066
Street Lighting	Network Service Rate	\$/kW	2.0240
Class	Rate Description	Unit	Proposed RTSR- Connection
Residential	Line and Transformation Connection Service Rate	\$/kWh	0.0015
General Less Than 50 kW	Line and Transformation Connection Service Rate	\$/kWh	0.0015
General 50 To 4,999 kW	Line and Transformation Connection Service Rate	\$/kW	0.5108
General 50 To 4,999 kW	Line and Transformation Connection Service Rate - Interval Metered	\$/kW	1.2286
Unmetered Scattered Load	Line and Transformation Connection Service Rate	\$/kWh	0.0015
Street Lighting	Line and Transformation Connection Service Rate	\$/kW	0.3949

NOTL understands that the OEB will adjust each applicant's model to reflect any UTR changes on Jan 1, 2017 when they are determined. The IRM rate generator incorporating the RTSR calculations is being submitted separately in Excel and pdf formats.

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

1 **3. LRAM VARIANCE ACCOUNT (LRAMVA)**

2 **Summary of Claim<sup>2</sup>**

3 A. NOTL's most recent LRAM approval was \$26,936 lost revenue in the 2014  
4 cost of service application<sup>3</sup> for:

- 5 • \$10,562 lost revenue in 2011 from 2011 CDM programs  
6 • \$16,374 lost revenue in 2012 from 2011 program persistence and 2012  
7 programs.

8 B. The current application calculates a total of \$142,485 lost revenue using the  
9 current OEB model as follows:

- 10 • \$9,721 lost revenue in 2011 from 2011 CDM programs (i.e. updated from  
11 A above as a result of using the current OEB model)  
12 • \$19,866 lost revenue in 2012 from 2011 program persistence and 2012  
13 programs (i.e. updated from A above as a result of using the current OEB  
14 model)  
15 • \$28,507 lost revenue in 2013 from 2011 and 2012 program persistence  
16 and 2013 programs.  
17 • \$36,263 lost revenue in 2014 from 2011, 2012 and 2013 program  
18 persistence and 2014 programs  
19 • \$48,127 lost revenue in 2015 from 2011, 2012, 2013 and 2014 program  
20 persistence and 2015 programs.

21 C. The current application calculates a total of \$56,109 lost revenue already  
22 reflected in the 2014 cost of service application's load forecast, as follows<sup>4</sup>:

- 23 • \$28,393 lost revenue in 2014  
24 • \$27,716 lost revenue in 2015

25 D. Therefore, the amount claimed for the period up to December 31, 2015 is  
26 \$61,161 comprising:

---

<sup>2</sup> Some numbers may not appear to add due to rounding

<sup>3</sup> EB-2013-015, Exhibit 9, Tab 2, Schedule 1, pages 26-28

<sup>4</sup> See Sheet 2 of the LRAM model


- 1       • Principal amount of  $B - C - A = \$142,485 - \$56,109 - \$26,936 = \$59,440$
- 2       • Interest amount of \$1,720<sup>5</sup>.
- 3   E. The amount claimed for interest for the period January 1, 2016 to April 30,
- 4       2017 is \$872<sup>6</sup>
- 5   F. Therefore the total claim is  $D + E - \$62,033$ <sup>7</sup>, comprising:
- 6       • Principal and interest to December 31, 2015 totaling \$61,161, allocated in
- 7       column R of Sheet 4 of the 2017 LRAM model according to the class
- 8       proportions in row 40 of sheet 1 of the LRAM model
- 9       • Interest for the period January 1, 2016 to April 30, 2017 totaling \$872 ,
- 10       allocated in column R of Sheet 4 of the 2017 LRAM model according to
- 11       the class proportions in row 40 of sheet 1 of the LRAM model

---

<sup>5</sup> See Sheet 7 of the LRAM model

<sup>6</sup> See cells BQ42 and BR42 in Sheet 3 of the 2017 IRM model.


<sup>7</sup> Please note that Cell R25 of Sheet 4 indicates that there is a mismatch with the continuity schedule. The difference is \$0.01, which appears to be immaterial.

 <b>Ontario Energy Board</b> <b>LRAMVA Work Form:</b> <b>Summary Table</b>							
<b>LRAMVA Summary</b>							
<b>Table 1. Annual and Total LRAMVA by Rate Class</b>							
Description	Residential	General Service <50 kW	Street Lighting	Unmetered Scattered Load	General Service 50- 4,999 kW	Total	
2011 Forecast	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>2011 Actuals</b>	\$2,610.53	\$6,780.46	\$0.00	\$0.00	\$330.25	<b>\$9,721.24</b>	
Amount Cleared						\$0.00	
2012 Forecast	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>2012 Actuals</b>	\$42,000.23	\$13,710.21	\$0.00	\$0.00	\$1,885.76	<b>\$19,886.20</b>	
Amount Cleared						\$0.00	
2013 Forecast	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>2013 Actuals</b>	\$5,820.25	\$18,066.69	\$0.00	\$0.00	\$4,618.20	<b>\$28,507.13</b>	
Amount Cleared						\$0.00	
2014 Forecast	(\$13,179.54)	(\$6,886.58)	(\$1,337.03)	(\$34.72)	(\$8,955.09)	(\$28,392.96)	
<b>2014 Actuals</b>	\$9,257.32	\$21,296.75	\$0.00	\$0.00	\$5,706.83	<b>\$36,262.89</b>	
Amount Cleared	(\$6,716.00)	(\$19,829.00)	\$0.00	\$0.00	(\$358.00)	(\$26,903.00)	
2015 Forecast	(\$13,214.13)	(\$8,430.01)	(\$1,514.77)	(\$22.33)	(\$8,534.69)	(\$27,715.93)	
<b>2015 Actuals</b>	\$12,006.55	\$23,213.50	\$0.00	\$0.00	\$12,107.25	<b>\$48,127.30</b>	
Amount Cleared						\$0.00	
<b>Carrying Charges</b>	<b>\$226.80</b>	<b>\$1,271.33</b>	<b>(\$13.22)</b>	<b>(\$0.76)</b>	<b>\$266.01</b>	<b>\$1,720.26</b>	
<b>Total LRAMVA Balance</b>	<b>\$1,882.11</b>	<b>\$51,197.42</b>	<b>(\$2,895.02)</b>	<b>(\$57.82)</b>	<b>\$11,034.51</b>	<b>\$61,161.21</b>	
<b>Class Proportions</b>	<b>3.1%</b>	<b>83.7%</b>	<b>-4.7%</b>	<b>-0.1%</b>	<b>18.0%</b>	<b>100.0%</b>	
Interest Jan 1, 2016 to Apr 30 2017	\$26.83	\$729.78	(\$41.27)	(\$0.82)	\$157.29	\$871.80	
<b>Total Claim</b>	<b>\$1,908.94</b>	<b>\$51,927.20</b>	<b>(\$2,936.28)</b>	<b>(\$58.64)</b>	<b>\$11,191.80</b>	<b>\$62,033.01</b>	

1

2

- This claim is shown in cell BT42 of the IRM model:

		Balances		2.1.7 RRR	
Account Descriptions	Account Number	Total Claim	As of Dec 31-15	Variance RRR vs. 2015 Balance (Principal + Interest)	
<b>Group 1 Accounts</b>					
LV Variance Account	1550	0.00	0	0	0
Smart Metering Entity Charge Variance Account	1551	(2,593.30)	(5,751)	0	0
RSVA - Wholesale Market Service Charge	1580	(480,853.50)	(497,750)	46,045	0
Variance WMS - Sub-account CBR Class A	1580	<input type="checkbox"/> Check to Dispose of Account (Checked) 0.00	0	0	0
Variance WMS - Sub-account CBR Class B	1580	<input type="checkbox"/> Check to Dispose of Account 0.00	56,878	(0)	0
RSVA - Retail Transmission Network Charge	1584	(4,067.72)	66,091	0	0
RSVA - Retail Transmission Connection Charge	1586	4,718.94	20,135	0	0
RSVA - Power	1588	29,003.85	(624,356)	35,823	0
RSVA - Global Adjustment	1589	6,529.32	1,484,184	435,810	0
Disposition and Recovery/Refund of Regulatory Balances (2009) <sup>4</sup>	1595	<input type="checkbox"/> Check to Dispose of Account 0.00	15	0	0
Disposition and Recovery/Refund of Regulatory Balances (2010) <sup>4</sup>	1595	<input type="checkbox"/> Check to Dispose of Account 0.00	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2011) <sup>4</sup>	1595	<input type="checkbox"/> Check to Dispose of Account 0.00	(792)	0	0
Disposition and Recovery/Refund of Regulatory Balances (2012) <sup>4</sup>	1595	<input type="checkbox"/> Check to Dispose of Account 0.00	(13,736)	(0)	0
Disposition and Recovery/Refund of Regulatory Balances (2013) <sup>4</sup>	1595	<input type="checkbox"/> Check to Dispose of Account 0.00	25,336	0	0
Disposition and Recovery/Refund of Regulatory Balances (2014) <sup>4</sup>	1595	<input type="checkbox"/> Check to Dispose of Account 0.00	44,668	(0)	0
Disposition and Recovery/Refund of Regulatory Balances (2015) <sup>4</sup> <i>Not to be disposed of unless rate rider has expired and balance has been audited</i>	1595	<input type="checkbox"/> Check to Dispose of Account 0.00	(170,236)	0	0
RSVA - Global Adjustment	1589	6,529.32	1,484,184	435,810	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(433,793.73)	(1,149,376)	24,981	0
Total Group 1 Balance		(427,264.41)	334,808	460,801	0
LRAM Variance Account (only input amounts if applying for disposition of this accoi	1568	 62,033.01	33,474	(27,681)	0
Total including Account 1568		(365,231.40)	368,282	433,114	0

NOTL notes that with the rounding of rate riders, the forecast recovery based on the metered kWh and kW in sheet 7 of the IRM model is estimated to be \$58,254. See cell K50 in Sheet 1 of the LRAM model.

Note: In cells BF42 and BK42 T42 of Sheet 3 of the rate generator model, adjustments of \$26,,157 principal and \$1,531 interest were entered to ensure the claim in cell BT42 is based on the OEB's most recent LRAM model and how the IESO CDM Final Results reports for 2011-2014 and 2015 should be used. In preparing this claim, NOTL consulted with OEB staff on the proper use of the IESO reports and obtained confirmation that NOTL has correctly sourced data from the reports<sup>8</sup>.

<sup>8</sup> E-mail from Judy But, 8 August, 2016: "The information that you have indicated in the 2011-2014 LRAM work form (item 1), 2015 LRAM work form (item 2), and persistence rates spreadsheet (item 3) are correctly sourced from the IESO Final Results Report".

Niagara-on-the-Lake Hydro Inc.  
EB-2016-0095  
Manager's Summary  
Filed: October 5, 2016  
Page 12 of 78  
Section 3 –LRAM Variance Account

		2015							
Account Descriptions	Account Number	Transactions* Debit / (Credit) during 2015	OFB-Approved Disposition during 2015	Principal Adjustments <sup>2</sup> during 2015	Closing Principal Balance as of Dec 31, 15	Opening Interest Amounts as of Jan 1, 15	Interest Jan 1 to Dec 31, 15	OFB-Approved Disposition during 2015	Interest Adjustments <sup>3</sup> during 2015
<b>Group 1 Accounts</b>									
1.V Variance Account	1550				0	0			
Smart Metering Entry Charge Variance Account	1551	(2,588)	4,098		(5,796)	50	(13)	92	
RSVA - Wholesale Market Service Charge	1550	(402,813)	(199,312)	10,924	(539,802)	(7,848)	(3,621)	(7,547)	10
Variance WMS - Subaccount C&H Class A	1580	0	0		0	0			
Variance WMS - Sub account C&H Class B	1580	56,692	0		56,692	0	186	0	
RSVA - Retail Transmission Network Charge	1584	(1,307)	58,458		86,375	1,938	1,412	1,134	
RSVA - Retail Transmission Connection Charge	1586	4,645	(3,001)		13,762	(459)	241	(591)	
RSVA - Power	1588	60,190	157,781	(35,791)	(643,674)	5,441	(6,146)	15,768	(33)
RSVA - Global Adjustment	1589	448,364	(511,266)	(435,411)	1,033,086	(1,918)	9,702	(7,904)	(393)
Disposition and Recovery/Refund of Regulatory Balances (2009) <sup>4</sup>	1595	15	0		0	11,006	15	11,006	
Disposition and Recovery/Refund of Regulatory Balances (2010) <sup>4</sup>	1595	(158)	0		0	0	0	0	
Disposition and Recovery/Refund of Regulatory Balances (2011) <sup>4</sup>	1595	414	20		0	0	(992)	(100)	
Disposition and Recovery/Refund of Regulatory Balances (2012) <sup>4</sup>	1595	(137)	(2,993)		(1)	(13,328)	195	602	
Disposition and Recovery/Refund of Regulatory Balances (2013) <sup>4</sup>	1595	18	0		25,200	3,684	452	0	
Disposition and Recovery/Refund of Regulatory Balances (2014) <sup>4</sup>	1595	0	0		(334,189)	(8,350)	52,925	0	
Disposition and Recovery/Refund of Regulatory Balances (2015) <sup>4</sup>									
Not to be disposed of unless rate rider has expired and balance has been audited	1595	336,665	516,205		(180,360)	0	(2,347)	(12,460)	
RSVA - Global Adjustment	1589	448,364	(531,266)	(435,411)	1,033,086	(1,918)	9,702	(7,904)	(393)
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(12,166)	531,266	(24,967)	(1,536,273)	(7,855)	42,406	7,904	(23)
Total Group 1 Balance		436,188	0	(460,377)	(502,187)	(9,775)	52,108	(0)	(422)
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	17,048	0	26,157	59,441	(51)	241	0	1,551
Total including Account 1568		453,236	0	(434,220)	(442,746)	(9,826)	52,348	0	1,529

- 1
- 2 Due to the adjustments in cells BF42 and BK 42, the 2015 year-end balance in
- 3 Sheet 3 will not match the RRR amount. The audited Account 1568 balances
- 4 submitted in RRR were however based on NOTL's best understanding of the
- 5 1568 claim calculation methodology at the time they were done for 2011-2014
- 6 final results, and did not include any 2015 results.
- 7

## 1 User Inputs

2 This Section focuses on the source of the user inputs to each sheet of the LRAM  
3 model (excluding links from other sheets).

## 4 Sheet 1 – LRAM VA Summary

5 The key user input in this sheet is NOTL's approved principal claim of \$26,935 in  
6 the 2014 cost of service application, as indicated in the Summary of Claim  
7 section above:

Ontario Energy Board

## LRAMVA Work Form: Summary Table

### LRAMVA Summary

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

File Number

EB-2016-0095

Exhibit

n/a

Schedule

n/a

Tab

n/a

Page

Manager's summary

Page 8

Legend

User Inputs (Green)

Auto Populated Cells (White)

Amount of LRAM claimed in the past  
Years of LRAM Claimed

\$ 26,935.00

2011 and 2012

Last Cost of Service Application (File No.)

EB-2013-0155

Amount of LRAMVA to claim

\$61,161.21

Recovery Period of LRAMVA Claim

1

Table 1. Annual and Total LRAMVA by Rate Class

Description	Residential	General Service <50 kW	General Service 50- 999 kW	General Service 1,000-1,999 kW	Sentinel Lighting	Street Lighting	Unmetered Scattered Load	General Service 50- 4,999 kW	Total
2011 Forecast	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2011 Actuals	\$2,610.53	\$6,780.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$330.25	\$9,721.24
Amount Cleared			\$0.00	\$0.00	\$0.00				\$0.00
2012 Forecast	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2012 Actuals	\$4,270.20	\$10,710.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,005.70	\$19,006.20
Amount Cleared			\$0.00	\$0.00	\$0.00				\$0.00
2013 Forecast	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2013 Actuals	\$5,820.25	\$18,068.89	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,818.20	\$28,607.13
Amount Cleared			\$0.00	\$0.00	\$0.00				\$0.00
2014 Forecast	(\$13,179.54)	(\$6,886.56)	\$0.00	\$0.00	\$0.00	(\$1,337.03)	(\$34.72)	(\$6,855.09)	(\$28,392.96)
2014 Actuals	\$9,257.32	\$21,298.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,706.83	\$36,262.89
Amount Cleared	(\$6,710.00)	(\$19,029.00)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	(\$390.00)	(\$20,935.00)
2015 Forecast	(\$13,214.13)	(\$6,430.01)	\$0.00	\$0.00	\$0.00	(\$1,514.77)	(\$22.33)	(\$6,534.09)	(\$27,715.93)
2015 Actuals	\$12,806.55	\$23,213.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12,107.25	\$48,127.38
Amount Cleared			\$0.00	\$0.00	\$0.00				\$0.00
Carrying Charges	\$226.87	\$1,271.36	\$0.00	\$0.00	\$0.00	(\$43.23)	(\$0.76)	\$266.01	\$1,720.25
Total LRAMVA Balance	\$1,882.09	\$51,197.45	\$0.00	\$0.00	\$0.00	(\$2,895.03)	(\$57.82)	\$11,034.51	\$61,161.21

## 8 Sheet 2 – CDM Allocation

### 10 • Table 2

11 The Table 2 amount used for the CDM Threshold is taken from Appendix 2-  
12 I\_LF\_CDM in the 2014 cost of service application and also as stated in the  
13 Settlement Page 54 of 80:

**Ontario Energy Board**

## LRAMVA Work Form: CDM Allocation

### CDM Savings Target Allocation by Rate Class

**Instruction** Please update the template as needed or replace this spreadsheet with an existing template that estimated savings in CDM forecast. An example template is provided below and can be filled in if it is applicable to the LDC. The LDC may re-populate CDM savings by year's approved cost of service application, or relevant information from Appendix 2-1.

Alternatively, LDCs may want to link this spreadsheet to their CDM savings allocation (e.g. appended as another tab in this workbook).

**Legend**

**OEB Staff:**  
LDCs to input values included in the Table. Amounts used for CDM Threshold for LRAMVA from Appendix 2-1\_LF\_CDM

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

**OEB Staff:**  
LDCs to input CDM savings values beginning the most recent year the LDC rebased.

**OEB Staff:**  
LDCs to begin to include

**Table 2. Amount used for CDM Threshold for LRAMVA**

Forecast Year	kWh	kW	kWh (check)
2011	-	0	0
2012	Philip Vornwell EB-2013-0155 Settlement Page 54	0	0
2013	-	0	0
2014	2,879,184	(3,133)	(2,879,184)
2015	2,879,184	(3,133)	(2,879,184)
2016	2,879,184	(3,133)	(2,879,184)
2017	2,879,184	(3,133)	(2,879,184)

1

NOTL\_Filing\_Requirements\_Chapter2\_Appendices\_for\_2014.xlsm - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View Add-Ins Acrobat

Normal Page Break Preview Custom Views Page Layout Full Screen Workbook Views Ruler Formula Bar Gridlines Headings Show Zoom 100% Zoom to Selection New Window Arrange All Freeze Panes Save Workspace Windows Switch

S34 fx

	2011	2012	2013	2014	Total for 2014
The distributor should determine the allocation of the savings to all customer classes in a reasonable manner, for both the LRAMVA and for the load forecast adjustment.					
Amount used for CDM threshold for LRAMVA (2014)	828,587	870,079	590,259	590,259	2,879,184
Manual Adjustment for 2014 Load Forecast (billed basis)	-	435,040	590,259	295,130	1,320,428
Proposed Loss Factor (TLF)	3.79%	Format: X.XX%			
Manual Adjustment for 2014 Load Forecast (system purchased basis)	-	451,527.50	612,630	306,315	1,370,472
Manual adjustment uses "gross" versus "net" (i.e. numbers multiplied by (1 + g). The Weight factor is also used calculate the impact of each year's program on the CDM adjustment to the 2014 load forecast.					

App.2-1 LF\_CDM\_WF App.2-3A\_OM&A\_Summary\_Analysis App.2-3B\_OM&A\_Cost\_Drivers App.2-3C\_OMA\_P

2



Niagara-on-the-Lake Hydro Inc.  
EB-2013-0155  
Settlement Proposal  
Filed: March 22, 2014  
Page 54 of 80

Table 3.2.18: Alignment of Non-normal to Weather Normal Forecast - ADJUSTED							
Year	Residential	GS<50	GS>50	Street Lighting	Sentinels	USL	Total
Non-normalized Weather Billed Energy Forecast (kWh)							
2013 Non-Normalized Bridge	68,569,993	35,238,471	81,929,867	1,205,215		238,007	187,181,553
2014 Non-Normalized Test	69,544,425	35,282,095	83,306,834	1,248,464		240,322	189,622,140
Weather Adjustment (kWh)							
2013	-2,249,642	-1,156,102	-2,327,610	0		0	-5,733,354
2014	-1,658,972	-841,649	-1,720,863	0		0	-4,221,484
Manual Adjustments - CDM (kWh)							
2013	-73,439	-514,075	-146,879	0		0	-734,393
2014	-132,043	-924,300	-264,086	0		0	-1,320,428
Manual Adjustments - Outlet Mall (kWh)							
2013	0	0	0	0		0	0
2014	0	3,744,552	151,970	0		0	3,896,522
Weather Normalized Billed Energy Forecast (kWh)							
2013 Normalized Bridge	66,246,918	33,568,294	79,455,378	1,205,215		238,007	180,713,812
2014 Normalized Test	67,753,419	37,260,698	81,473,856	1,248,464		240,322	187,976,750

### LRAM Variance Account

The Parties accept the 2014 expected savings for the LRAM Variance Account as set out in Table 3.2.17 in the Evidence Item 1 and shown below:

Table 3.2.17: 2014 Expected Savings for LRAM Variance Account							
	Residential	GS<50	GS>50	Street Lighting	Sentinels	USL	Total
kWh	461,087	1,231,015	1,187,082	0		0	2,879,184
kW where applicable			1,104	0			1,104

1

2

• Tables 3A

The data for the years 2011 to 2013 is taken from Table 22 in Exhibit 3 of the 2009 cost of service application. This load forecast was accepted by the Board<sup>9</sup>

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

2011	Residential	General Service < 50 kW	Street Lighting	Unmetered Loads	General Service 50 - 4,999 kW	Total
<b>kWh</b>						
Weather Normal Billed kWh (2009)	66,320,829	34,349,093	1,086,069	302,169	80,605,864	182,664,024
% of Billed	38.31%	18.80%	0.59%	0.17%	44.13%	100%
CDM Allocation	0	0	0	0	0	0
Adjusted Billed kWh with CDM Applied	66,320,829	34,349,093	1,086,069	302,169	80,605,864	182,664,024
<b>kW</b>						
Weather Normal Billed kW (Insert Year)			2,300		207,437	210,337
CDM kW Reduction			0		0	0
Adjusted Billed kW with CDM Applied			2,300		207,437	210,337
kWh to kW Ratio			0.27%		0.26%	
			2,900	CoS kW	207,437	

Niagara-on-the-Lake Hydro Inc.  
EB-2008-0237  
Exhibit 3  
Tab 2  
Schedule 2  
Page 28 of 28  
Filed: August 7, 2008

**1 Summary**  
**2** The following table summarizes the consumption and customer/connections data for each rate  
**3** class as approved for 2006, actual 2006 and 2007, and weather normalized 2008 bridge year  
**4** and 2009 test year.  
**5**  
**6**  
**7**  
**8**

**Table 22**  
**Summary of Forecast Data**

Niagara-on-the-Lake Hydro Inc.		Historical Board Approved From 2006	Historical Actual	Historical Actual	Bridge Year Estimate	Test Year Normalized
Year	Customer Class	EDR 2004	2006	2007	Normalized 2008	Forecast 2009
Residential	Customers	5,902	6,276	6,424	6,509	6,584
	Consumption - kWh	63,617,794	64,063,446	65,499,951	65,784,399	66,320,829
GS < 50 kW	Customers	1,233	1,209	1,216	1,212	1,209
	Consumption - kWh	33,862,790	30,476,041	34,968,161	34,661,664	34,349,093
GS > 50	Customers	99	117	119	117	123
	Consumption - kWh	72,785,865	79,256,712	78,684,896	79,505,118	80,605,864
Sentinel Lights	Connections	108	77	76	37	0
	Consumption - kWh	155,150	123,814	100,974	49,006	0
Street Lighting	Connections	362	251	257	119	0
	Demand - kW					
USL	Connections	1,611	1,736	1,796	1,880	1,953
	Consumption - kWh	960,329	1,118,911	1,002,185	1,045,473	1,086,069
USL	Connections	2,176	2,844	2,899	2,791	2,900
	Demand - kW					
USL	Customers	24	24	23	32	32
	Consumption - kWh	217,931	217,931	217,931	302,169	302,169

<sup>9</sup> See Page 5 of the Decision and Order in EB-2008-0237

1 The data for the years 2014 to 2017 is taken from the 2014 Settlement Page  
2 54 of 80:

2014	Residential	General Service < 50 kW	Street Lighting	Unmetered Loads	General Service 50 - 4,999 kW	Total
kWh						
Weather Normal Billed kWh (2014)	67,753,410	37,280,898	1,248,464	240,322	81,473,858	187,376,750
% of Billed	36.34%	19.82%	0.66%	0.13%	43.34%	100%
CDM Allocation	(1,037,759)	(578,711)	(19,122)	(3,681)	(1,247,911)	(2,879,184)
Adjusted Billed kWh with CDM Applied	68,715,651	36,689,987	1,229,342	236,641	80,225,945	185,397,566
kW						
Weather Normal Billed kW (2014)			3,377		201,170	204,555
CDM kW Reduction			(52)		(3,081)	(3,133)
Adjusted Billed kW with CDM Applied			3,325		198,097	201,422
kWh to kW Ratio			0.27%		0.25%	
			3,377		201,178	

3

Niagara-on-the-Lake Hydro Inc. EB-2013-0155 Settlement Proposal Filed: March 22, 2014 Page 54 of 80							
Table 3.2.13: Alignment of Non-normal to Weather Normal Forecast - GSE&FEN							
Year	Residential	GS<50	GS>50	Street Lighting	Sentinels	USL	Total
Non-normalized Weather Billed Energy Forecast (kWh)							
2013 Non-Normalized Bridge	61,540,335	31,258,471	81,313,087	1,203,215		238,067	187,181,595
2014 Non-Normalized Test	67,544,425	35,282,095	83,386,834	1,248,464		240,322	185,822,140
Weather Adjustment (kWh)							
2013	-2,249,642	-1,195,102	-2,327,510	0		0	-5,733,254
2014	-1,658,932	-841,649	-1,720,853	0		0	-4,221,434
Annual Adjustments - CDM (kWh)							
2013	-73,439	-514,075	-145,879	0		0	-734,393
2014	-132,043	-524,300	-264,085	0		0	-1,320,428
Annual Adjustments - Outlet Mail (kWh)							
2013	0	0	0	0		0	0
2014	0	3,744,552	151,370	0		0	3,896,522
Weather Normalized billed energy forecast (kWh)							
2013 Normalized Bridge	61,246,918	31,568,294	79,455,378	1,205,215		238,067	180,713,872
2014 Normalized Test	67,753,410	37,280,898	81,473,858	1,248,464		240,322	187,376,750

#### LRAM Variance Account

The Parties accept the 2014 expected savings for the LRAM Variance Account as set out in Table 3.2.17 in the Evidence Item 1 and shown below.

Table 3.2.17: 2014 Expected Savings for LRAM Variance Account							
kWh	Residential	GS<50	GS>50	Street Lighting	Sentinels	USL	Total
kWh where applicable	461,087	1,231,015	1,187,062	0		0	2,879,164
			1,104	0			1,104

#### Billed kW Load Forecast

The Parties accept the average kW/kWh ratio in Table 3.2.20 in the Evidence Item 1 as the ratio to be applied to the weather normalized billed energy forecast to provide the forecast of kW for the applicable rate classes. On this basis, the Parties agree that the forecast of kW by rate class reflecting the adjusted weather normalized billed kWh forecast is per the following adjusted Table 3.2.21:

Table 3.2.21: kW Forecast by Applicable Rate Class - ADJUSTED				
Year	GS<50	Street Lighting	Sentinels	Total
Predicted Billed kW				
2013 Normalized Bridge	196,560	3,260		199,820
2014 Normalized Test	201,178	3,377		204,554

4

5

## Sheet 3 – Distribution Rates

### Table 5

The rates are taken from the approved tariffs for each year up to 2016 and the requested rates for 2017:

**Ontario Energy Board**

## LRAMVA Work Form: Distribution Rates

### Distribution Rates

**Instruction**

Please update **Table 5** with the approved distribution rates for the utility's respective rate classes. The applicable rates to estimate lost revenues will autopopulate in **Table 6** and be used in the LRAM Work Sheets (**Tab 4 and Tab 5**) for the applicable year in which LRAM is claimed.

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

**Legend**

User Inputs (Green)  
Auto Populated Cells (White)

**Table 5. Distribution Volumetric Rate by Billing Period**

Decision & Orders for Approved Volumetric Rates:	EB-2009-0237	EB-2010-0101	EB-2011-0186 EB-2012-0026	EB-2012-0063	EB-2013-0155	EB-2014-0097	EB-2015-0091	EB-2016-0095	
<b>Rate Class</b>	<b>Billing Unit</b>	<b>May 1, 2010 to Apr 30, 2011</b>	<b>May 1, 2011 to Sept 30, 2012</b>	<b>Oct 1, 2012 to Apr 30, 2013</b>	<b>May 1, 2013 to Apr 30, 2014</b>	<b>May 1, 2014 to Apr 30, 2015</b>	<b>May 1, 2015 to Apr 30, 2016</b>	<b>May 1, 2016 to Apr 30, 2017</b>	<b>May 1, 2017 to Apr 30, 2018</b>
<i>Rate Year</i>		2010	2011	2012	2013	2014	2015	2016	2017
<i>Pro-ratio of Rates (months) - Period 1</i>		4	4	4	4	4	4	4	4
<i>Pro-ratio of Rates (months) - Period 2</i>		8	8	8	8	8	8	8	8
Residential	kWh	\$ 0.0127	\$ 0.0127	\$ 0.0128	\$ 0.0129	\$ 0.0126	\$ 0.0128	\$ 0.0098	\$ 0.0066
General Service <50 kW	kWh	\$ 0.0136	\$ 0.0136	\$ 0.0137	\$ 0.0138	\$ 0.012	\$ 0.0113	\$ 0.0115	\$ 0.0117
Street Lighting	kW	\$ 15,2803	\$ 19,2173	\$ 19,3864	\$ 19,4795	\$ 29,0338	\$ 29,4112	\$ 29,5406	\$ 30,4795
Unmetered Scattered Load	kWh	\$ 0.0161	\$ 0.0161	\$ 0.0162	\$ 0.0163	\$ 0.0060	\$ 0.0061	\$ 0.0062	\$ 0.0063
General Service 50 - 4,999 kW	kW	\$ 2.6148	\$ 2.5316	\$ 2.5541	\$ 2.5664	\$ 2.1025	\$ 2.1298	\$ 2.1681	\$ 2.2011

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

Rate Class	Billing Unit	2011	2012	2013	2014	2015	2016	2017
------------	--------------	------	------	------	------	------	------	------

## Sheet 4 – 2011-14 LRAM

### Tables 7 -10

These Tables take data from the LDC – Results (Net) sheet and the LDC – Adjustments (Net) sheet of the IESO 2011-2014 Final Results Report.

For 2011, the relevant IESO data and resulting Table 7 are as follows<sup>10</sup>:

<sup>10</sup> Empty rows are hidden in Tables 7-10

1

## 2011 IESO Results Data

	A	B	CH	I	N	U
	Initiative	Unit	Net Incremental Peak Demand Savings (kW) 2011	Net Incremental Energy Savings (kWh) 2011		
6	<b>Consumer Program</b>					
7	Appliance Retirement	Appliances	0	0		
8	Appliance Exchange	Appliances	0	0		
9	HVAC Incentives	Equipment	-6	-11,232		
10	Conservation Instant Coupon Booklet	Items	0	437		
11	Bi-Annual Retailer Event	Items	0	3,462		
12	Retailer Co-op	Items	0	0		
13	Residential Demand Response	Devices	0	0		
14	Residential Demand Response (IHD)	Devices	0	0		
15	Residential New Construction	Homes	0	0		
16	<b>Consumer Program Total</b>		<b>-6</b>	<b>-7,333</b>		
18	<b>Business Program</b>					
19	Retrofit	Projects	0	0		
20	Direct Install Lighting	Projects	0	0		
21	Building Commissioning	Buildings	0	0		
22	New Construction	Buildings	-1	23		
23	Energy Audit	Audits	0	0		
24	Small Commercial Demand Response	Devices	0	0		
25	Small Commercial Demand Response (IHD)	Devices	0	0		
26	Demand Response 3	Facilities	0	0		
27	<b>Business Program Total</b>		<b>-1</b>	<b>23</b>		
29	<b>Industrial Program</b>					
30	Process & System Upgrades	Projects	0	0		
31	Monitoring & Targeting	Projects	0	0		
32	Energy Manager	Projects	0	0		
33	Retrofit	Projects	0	0		
34	Demand Response 3	Facilities	0	0		
35	<b>Industrial Program Total</b>		<b>0</b>	<b>0</b>		
37	<b>Home Assistance Program</b>					
38	Home Assistance Program	Homes	0	0		
39	<b>Home Assistance Program Total</b>		<b>0</b>	<b>0</b>		
41	<b>Aboriginal Program</b>					
42	Home Assistance Program	Homes	0	0		
43	Direct Install Lighting	Projects	0	0		
44	<b>Aboriginal Program Total</b>		<b>0</b>	<b>0</b>		
46	<b>Pre-2011 Programs completed in 2011</b>					
47	Electricity Retrofit Incentive Program	Projects	0	0		
48	High Performance New Construction	Projects	4	21,537		
49	Toronto Comprehensive	Projects	0	0		
50	Multifamily Energy Efficiency Rebates	Projects	0	0		
51	LDC Custom Programs	Projects	0	0		
52	<b>Pre-2011 Programs completed in 2011 Total</b>		<b>4</b>	<b>21,537</b>		
54	<b>Other</b>					
55	Program Enabled Savings	Projects	0	0		
56	Time-of-Use Savings	Homes	0	0		
57	LDC Pilots	Projects	0	0		
58	<b>Other Total</b>		<b>0</b>	<b>0</b>		
60	<b>Adjustments to 2011 Verified Results</b>		<b>-3</b>	<b>14,227</b>		
61	<b>Adjustments to 2012 Verified Results</b>					
62	<b>Adjustments to 2013 Verified Results</b>					
63	<b>Total Adjustments to Previous Years' Verified Results</b>		<b>-3</b>	<b>14,227</b>		
65	Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).		Adjustments to previous years' results shown in this table will not align to adjustments shown in			
66						
67						
68						

2

1

2011 IESO Adjustments Data

	A	B	C	D	E	F
1						
2						
3	<b>Initiative</b>	<b>Unit</b>		<b>Net Incremental Peak Demand Savings (kW) 2011</b>	<b>Net Incremental Energy Savings (kWh) 2011</b>	
4						
5	<b>Consumer Program</b>					
6	Appliance Retirement	Appliances		0	0	
7	Appliance Exchange	Appliances		0	0	
8	HVAC Incentives	Equipment		-6	-11,232	
9	Conservation Instant Coupon Booklet	Items		0	437	
10	Bi-Annual Retailer Event	Items		0	3,462	
11	Retailer Co-op	Items		0	0	
12	Residential Demand Response	Devices		0	0	
13	Residential Demand Response (IHD)	Devices		0	0	
14	Residential New Construction	Homes		0	0	
15	<b>Consumer Program Total</b>			<b>-6</b>	<b>-7,333</b>	
16	<b>Business Program</b>					
17	Retrofit	Projects		0	0	
18	Direct Install Lighting	Projects		0	0	
19	Building Commissioning	Buildings		0	0	
20	New Construction	Buildings		-1	23	
21	Energy Audit	Audits		0	0	
22	Small Commercial Demand Response	Devices		0	0	
23	Small Commercial Demand Response (IHD)	Devices		0	0	
24	Demand Response 3	Facilities		0	0	
25	<b>Business Program Total</b>			<b>-1</b>	<b>23</b>	
26	<b>Industrial Program</b>					
27	Process & System Upgrades	Projects		0	0	
28	Monitoring & Targeting	Projects		0	0	
29	Energy Manager	Projects		0	0	
30	Retrofit	Projects		0	0	
31	Demand Response 3	Facilities		0	0	
32	<b>Industrial Program Total</b>			<b>0</b>	<b>0</b>	
33	<b>Home Assistance Program</b>					
34	Home Assistance Program	Homes		0	0	
35	<b>Home Assistance Program Total</b>			<b>0</b>	<b>0</b>	
36	<b>Aboriginal Program</b>					
37	Home Assistance Program	Homes		0	0	
38	Direct Install Lighting	Projects		0	0	
39	<b>Aboriginal Program Total</b>			<b>0</b>	<b>0</b>	
40	<b>Pre-2011 Programs completed in 2011</b>					
41	Electricity Retrofit Incentive Program	Projects		0	0	
42	High Performance New Construction	Projects		4	21,537	
43	Toronto Comprehensive	Projects		0	0	
44	Multifamily Energy Efficiency Rebates	Projects		0	0	
45	LDC Custom Programs	Projects		0	0	
46	<b>Pre-2011 Programs completed in 2011 Total</b>			<b>4</b>	<b>21,537</b>	
47	<b>Other</b>					
48	Program Enabled Savings	Projects		0	0	
49	Time-of-Use Savings	Homes		0	0	
50	LDC Pilots	Projects		0	0	
51	<b>Other Total</b>			<b>0</b>	<b>0</b>	
52	<b>Adjustments to 2011 Verified Results</b>			<b>-3</b>	<b>14,227</b>	
53	<b>Adjustments to 2012 Verified Results</b>					
54	<b>Adjustments to 2013 Verified Results</b>					
55	<b>Total Adjustments to Previous Years' Verified Results</b>			<b>-3</b>	<b>14,227</b>	
56	Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).			Adjustments to previous years' results shown in this table will not align to adjustments shown in		
57						
58						
59						

2

Table 7

17

18

Table 7. 2011 Lost Revenues Work Form

19

20

21

22

23

24

25

26

30

33

34

35

37

41

58

59

60

63

67

68

69

70

71

72

73

74

75

76

77

78

2011

#	Initiative	Results Status	Months of Demand Savings	Net Incremental Peak Demand Savings (kW)	Net Incremental Energy Savings (kWh)	Rate Allocation for LRAMVA				
				2011 kW Saved	2011 kWh Saved	Residential	General Service <50 kW	General Service 50 - 4,999 kW	Total	
Consumer Program										
1	Appliance Retirement	Verified		7	46,772	100%				100%
2	Appliance Exchange	Verified		0	289	100%				100%
3	HVAC Incentives	Verified		43	88,938	100%				100%
4	Conservation Instant Coupon Booklet	Verified		2	32,225	100%				100%
5	Bi-Annual Retailer Event	Verified		3	46,602	100%				100%
	Adjustments to 2011 results (if True-up)	True-up		-6	-7,333	100%				100%
Business Program										
9	Retrofit	Verified	12	15	78,074		60%	40%		100%
10	Direct Install Lighting	Verified	12	171	451,696		100%			100%
12	New Construction	Verified	12	5	22,211			100%		100%
	Adjustments to 2011 results (if True-up)	True-up		-1	23		100%			100%
Pre-2011 Programs completed in 2011										
22	Electricity Retrofit Incentive Program	Verified		30	165,618			100%		100%
23	High Performance New Construction	Verified		18	92,390			100%		100%
	Adjustments to 2011 results (if True-up)	True-up		4	21,537			100%		100%
	Total kWh				1,037,102	205,554	498,563	332,985		1,037,102
	Total kWh (excludes DR)				1,037,102	205,554	498,563	332,985		1,037,102
	Total GS > 50 kW							129		129
	Total GS > 50 kW (excludes Building Commission)							129		129
						kWh	kWh	kW		
	Distribution Rate in 2011					\$0.0127	\$0.0136	\$2.5595		
	Lost Revenue in 2011					\$2,611	\$6,780	\$330		\$9,721
	2011 Savings Persisting in 2012					205,554	498,563	129		
	2011 Savings Persisting in 2013					200,530	486,379	126		
	2011 Savings Persisting in 2014					166,573	404,017	99		
	2011 Savings Persisting in 2015					162,122	393,221	98		

For 2012, the relevant IESO data and resulting Table 8 are as follows:





1

## 2012 IESO Adjustments Data

	A	B	C	J	O	L
	Initiative	Unit		Net Incremental Peak Demand Savings (kW) 2012	Net Incremental Energy Savings (kWh) 2012	
6	<b>Consumer Program</b>					
7	Appliance Retirement	Appliances		0	0	
8	Appliance Exchange	Appliances		0	0	
9	HVAC Incentives	Equipment		1	1,789	
10	Conservation Instant Coupon Booklet	Items		0	0	
11	Bi-Annual Retailer Event	Items		0	0	
12	Retailer Co-op	Items		0	0	
13	Residential Demand Response	Devices		0	0	
14	Residential Demand Response (IHD)	Devices		0	0	
15	Residential New Construction	Homes		0	0	
16	<b>Consumer Program Total</b>			<b>1</b>	<b>1,789</b>	
18	<b>Business Program</b>					
19	Retrofit	Projects		6	23,281	
20	Direct Install Lighting	Projects		0	0	
21	Building Commissioning	Buildings		0	0	
22	New Construction	Buildings		0	0	
23	Energy Audit	Audits		6	26,884	
24	Small Commercial Demand Response	Devices		0	0	
25	Small Commercial Demand Response (IHD)	Devices		0	0	
26	Demand Response 3	Facilities		0	0	
27	<b>Business Program Total</b>			<b>12</b>	<b>56,166</b>	
29	<b>Industrial Program</b>					
30	Process & System Upgrades	Projects		0	0	
31	Monitoring & Targeting	Projects		0	0	
32	Energy Manager	Projects		0	0	
33	Retrofit	Projects		0	0	
34	Demand Response 3	Facilities		0	0	
35	<b>Industrial Program Total</b>			<b>0</b>	<b>0</b>	
37	<b>Home Assistance Program</b>					
38	Home Assistance Program	Homes		0	0	
39	<b>Home Assistance Program Total</b>			<b>0</b>	<b>0</b>	
41	<b>Aboriginal Program</b>					
42	Home Assistance Program	Homes		0	0	
43	Direct Install Lighting	Projects		0	0	
44	<b>Aboriginal Program Total</b>			<b>0</b>	<b>0</b>	
46	<b>Pre-2011 Programs completed in 2011</b>					
47	Electricity Retrofit Incentive Program	Projects		0	0	
48	High Performance New Construction	Projects		0	0	
49	Toronto Comprehensive	Projects		0	0	
50	Multifamily Energy Efficiency Rebates	Projects		0	0	
51	LDC Custom Programs	Projects		0	0	
52	<b>Pre-2011 Programs completed in 2011 Total</b>			<b>0</b>	<b>0</b>	
54	<b>Other</b>					
55	Program Enabled Savings	Projects		60	32,506	
56	Time-of-Use Savings	Homes		0	0	
57	LDC Pilots	Projects		0	0	
58	<b>Other Total</b>			<b>60</b>	<b>32,506</b>	
60	<b>Adjustments to 2011 Verified Results</b>					
61	<b>Adjustments to 2012 Verified Results</b>			<b>72</b>	<b>90,461</b>	
62	<b>Adjustments to 2013 Verified Results</b>					
63	<b>Total Adjustments to Previous Years' Verified Results</b>			<b>72</b>	<b>90,461</b>	
65	Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).			Adjustments to previous years' results shown in this table will not align to adjustments shown		
66						
67						
68						

2

Table 8

85

06

Table 8. 2012 Lost Revenues Work Form

87

00

89

90

91

92

93

94

99

102

103

104

106

2

107

111

124

1

125

2

129

131

132

143

144

145

146

147

148

149

150

151

152

153

154

155

156

Initiative	Results Status	Months of Demand Savings	Net Incremental Peak Demand Savings (kW)	Net Incremental Energy Savings (kWh)	Rate Allocation for LRAM/VA				Total
			2012 kW Saved	2012 kWh Saved	Residential	General Service <50 kW	General Service 50 - 4,999 kW		
Consumer Program									
1 Appliance Retirement	Verified		5	27,029	100%				100%
2 Appliance Exchange	Verified		0	883	100%				100%
3 HVAC Incentives	Verified		32	53,257	100%				100%
4 Conservation Instant Coupon Booklet	Verified		0	2,211	100%				100%
5 Bi-Annual Retailer Event	Verified		2	42,470	100%				100%
Adjustments to 2012 results (if True-up)	True-up		1	1,788	100%				100%
Business Program									
10 Retrofit	Verified	12	76	411,253		53%		67%	100%
11 Direct Install Lighting	Verified	12	72	287,383		100%			100%
12 New Construction	Verified	12	4	1,123		100%			100%
14 Energy Audit	Verified	12	5	25,175		100%			100%
Adjustments to 2012 results (if True-up)	True-up		12	56,165		40%		63%	100%
Home Assistance Program									
23 Home Assistance Program	Verified		0	1,484	100%				100%
Pre-2011 Programs completed in 2011									
25 High Performance New Construction	Verified		0	174				100%	100%
Adjustments to 2012 results (if True-up)	True-up		60	12,506		60%		43%	100%
Total kWh									
Total kWh (excludes DP)									
Total GS > 50 kW									
Total GS > 50 kW (excludes Building Commission)									
					kWh	kWh	kWh		
Distribution Rate in 2012					\$0.0128	\$0.0137	\$2.5467		
Lost Revenue in 2012 from 2011 programs					\$2,824	\$8,814	\$363		\$3,767
Lost Revenue in 2012 from 2012 programs					\$1,646	\$6,897	\$1,557		\$10,100
Total Lost Revenue in 2012					\$4,270	\$13,710	\$1,886		\$19,866
2012 Savings Persisting in 2013					128,929	504,623	611		
2012 Savings Persisting in 2014					127,609	499,456	605		
2012 Savings Persisting in 2015					111,411	438,058	527		

For 2013, the relevant IESO data and resulting Table 9 are as follows:

1

## 2013 IESO Results Data

	A	B	CH	K	P
1					
2	Initiative	Unit	Net Incremental Peak Demand Savings (kW) 2013	Net Incremental Energy Savings (kWh) 2013	
3					
4					
5	Consumer Program				
6	Appliance Retirement	Appliances	2	12,709	
7	Appliance Exchange	Appliances	1	2,217	
8	HVAC Incentives	Equipment	31	51,560	
9	Conservation Instant Coupon Booklet	Items	1	12,223	
10	Bi-Annual Retailer Event	Items	2	27,243	
11	Retailer Co-op	Items	0	0	
12	Residential Demand Response	Devices	10	0	
13	Residential Demand Response (IHD)	Devices	0	0	
14	Residential New Construction	Homes	0	0	
15	Consumer Program Total		46	105,952	
16	Business Program				
17	Retrofit	Projects	39	499,515	
18	Direct Install Lighting	Projects	36	131,978	
19	Building Commissioning	Buildings	0	0	
20	New Construction	Buildings	22	194,105	
21	Energy Audit	Audits	0	0	
22	Small Commercial Demand Response	Devices	0	0	
23	Small Commercial Demand Response (IHD)	Devices	0	0	
24	Demand Response 3	Facilities	31	1,556	
25	Business Program Total		248	827,153	
26	Industrial Program				
27	Process & System Upgrades	Projects	0	0	
28	Monitoring & Targeting	Projects	0	0	
29	Energy Manager	Projects	0	0	
30	Retrofit	Projects	0	0	
31	Demand Response 3	Facilities	73	1,668	
32	Industrial Program Total		73	1,668	
33	Home Assistance Program				
34	Home Assistance Program	Homes	2	15,764	
35	Home Assistance Program Total		2	15,764	
36	Aboriginal Program				
37	Home Assistance Program	Homes	0	0	
38	Direct Install Lighting	Projects	0	0	
39	Aboriginal Program Total		0	0	
40	Pre-2011 Programs completed in 2011				
41	Electricity Retrofit Incentive Program	Projects	0	0	
42	High Performance New Construction	Projects	0	0	
43	Toronto Comprehensive	Projects	0	0	
44	Multifamily Energy Efficiency Rebates	Projects	0	0	
45	LDC Custom Programs	Projects	0	0	
46	Pre-2011 Programs completed in 2011 Total		0	0	
47	Other				
48	Program Enabled Savings	Projects	0	0	
49	Time-of-Use Savings	Homes	0	0	
50	LDC Pilots	Projects	0	0	
51	Other Total		0	0	
52	Adjustments to 2011 Verified Results		0	0	
53	Adjustments to 2012 Verified Results		12	56,246	
54	Adjustments to 2013 Verified Results				
55	Energy Efficiency Total		195	947,312	
56	Demand Response Total (Scenario 1)		174	3,223	
57	Adjustments to Previous Years' Verified Results		12	56,246	
58	OPA-Contracted LDC Portfolio Total (inc. Adj.)		381	1,006,782	
59	Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).		*Include IEB Target: Results presented in scenario 1.		
60					
61					
62					
63					
64					
65					
66					
67					
68					
69					
70					
71					
72					

2

## 2013 IESO Adjustments Data

	A	B	CH	K	P
1					
2				Net Incremental Peak Demand Savings (kW) 2013	Net Incremental Energy Savings (kWh) (new) 2013
3	Initiative	Unit			
4					
5	Consumer Program				
7	Appliance Retirement	Appliances		0	0
8	Appliance Exchange	Appliances		0	0
9	HVAC Incentives	Equipment		1	1,139
10	Conservation Instant Coupon Booklet	Items		0	37
11	Bi-Annual Retailer Event	Items		0	0
12	Retailer Co-op	Items		0	0
13	Residential Demand Response	Devices		0	0
14	Residential Demand Response (IHD)	Devices		0	0
15	Residential New Construction	Homes		0	0
16	Consumer Program Total			1	1,176
18	Business Program				
19	Retrofit	Projects		0	0
20	Direct Install Lighting	Projects		0	0
21	Building Commissioning	Buildings		0	0
22	New Construction	Buildings		0	0
23	Energy Audit	Audits		0	0
24	Small Commercial Demand Response	Devices		0	0
25	Small Commercial Demand Response (IHD)	Devices		0	0
26	Demand Response 3	Facilities		0	0
27	Business Program Total			0	0
29	Industrial Program				
30	Process & System Upgrades	Projects		0	0
31	Monitoring & Targeting	Projects		0	0
32	Energy Manager	Projects		27	19,773
33	Retrofit	Projects		0	0
34	Demand Response 3	Facilities		0	0
35	Industrial Program Total			27	19,773
37	Home Assistance Program				
38	Home Assistance Program	Homes		0	0
39	Home Assistance Program Total			0	0
41	Aboriginal Program				
42	Home Assistance Program	Homes		0	0
43	Direct Install Lighting	Projects		0	0
44	Aboriginal Program Total			0	0
46	Pre-2011 Programs completed in 2011				
47	Electricity Retrofit Incentive Program	Projects		0	0
48	High Performance New Construction	Projects		0	0
49	Toronto Comprehensive	Projects		0	0
50	Multifamily Energy Efficiency Rebates	Projects		0	0
51	LDC Custom Programs	Projects		0	0
52	Pre-2011 Programs completed in 2011 Total			0	0
54	Other				
55	Program Enabled Savings	Projects		0	0
56	Time-of-Use Savings	Homes		0	0
57	LDC Pilots	Projects		0	0
58	Other Total			0	0
60	Adjustments to 2011 Verified Results				
61	Adjustments to 2012 Verified Results				
62	Adjustments to 2013 Verified Results			28	20,949
63	Total Adjustments to Previous Years' Verified Results			28	20,949
65	Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).			Adjustments to previous years' results shown in this table will not align to adjustments shown	
66					
67					
68					

Table 9

Table 9. 2013 Lost Revenues Work Form									
#	Initiative	Results Status	Months of Demand Savings	Net Incremental Peak Demand Savings (kW)	Net Incremental Energy Savings (kWh)	Rate Allocation for LRAMVA			
				2013 kW Saved	2013 kWh Saved	Residential	General Service <50 kW	General Service 50 - 4,999 kW	Total
<b>Consumer Program</b>									
1	Appliance Retirement	Verified		2	12,709	100%			100%
2	Appliance Exchange	Verified		1	2,217	100%			100%
3	HVAC Incentives	Verified		31	51,560	100%			100%
4	Conservation Instant Coupon Booklet	Verified		1	12,223	100%			100%
5	Bi-Annual Retailer Event	Verified		2	27,245	100%			100%
7	Residential Demand Response (switch/stat)	Verified		10	0	100%			100%
Adjustments to 2013 results (if Business Program)		True-up		1	1,176	100%			100%
10	Retrofit	Verified	12	99	499,515		25%	75%	100%
11	Direct install Lighting	Verified	12	36	131,978		100%		100%
13	New Construction	Verified	12	22	194,105		33%	67%	100%
17	Demand Response 3	Verified	0	31	1,556			100%	100%
<b>Industrial Program</b>									
22	Demand Response 3	Verified	0	73	1,668			100%	100%
Adjustments to 2013 results (if Home Assistance Program)		True-up		27	19,773			100%	100%
23	Home Assistance Program	Verified		2	15,764	100%			100%
<b>Total kWh</b>					<b>971,485</b>	<b>122,892</b>	<b>321,493</b>	<b>527,100</b>	<b>971,485</b>
<b>Total kWh (excludes DRI)</b>					<b>968,262</b>	<b>122,892</b>	<b>321,493</b>	<b>523,817</b>	<b>968,262</b>
<b>Total GS &gt; 50 kW</b>								<b>1,065</b>	<b>1,065</b>
<b>Total GS &gt; 50 kW (excludes Building Commission)</b>								<b>1,065</b>	<b>1,065</b>
						<b>kWh</b>	<b>kWh</b>	<b>kW</b>	
Distribution Rate in 2013						\$0.0129	\$0.0138	\$2.5623	
Lost Revenue in 2013 from 2011 programs						\$2,580	\$6,696	\$322	\$9,538
Lost Revenue in 2013 from 2012 programs						\$1,653	\$6,947	\$1,567	\$10,173
Lost Revenue in 2013 from 2013 programs						\$1,581	\$4,426	\$2,730	\$8,737
<b>Total Lost Revenue in 2013</b>						<b>\$5,820</b>	<b>\$18,069</b>	<b>\$4,619</b>	<b>\$28,507</b>
2013 Savings Persisting in 2014						122,526	320,535	578	
2013 Savings Persisting in 2015						21,637	318,367	575	

For 2014, the relevant IESO data and resulting Table 10 are as follows:



1

## 2014 IESO Adjustments Data (nil)

A		Formula Bar	L	M	Q	F	L
1							
2							
3	Initiative	Unit	Net Incremental Peak Demand Savings 2014	Net Incremental Energy Savings (kWh) new 2014			
4							
5	Consumer Program						
6	Appliance Retirement	Appliances					
7	Appliance Exchange	Appliances					
8	HVAC Incentives	Equipment					
9	Conservation Instant Coupon Booklet	Items					
10	Bi-Annual Retailer Event	Items					
11	Retailer Co-op	Items					
12	Residential Demand Response	Devices					
13	Residential Demand Response (IHD)	Devices					
14	Residential New Construction	Homes					
15	Consumer Program Total						
16	Business Program						
17	Retrofit	Projects					
18	Direct Install Lighting	Projects					
19	Building Commissioning	Buildings					
20	New Construction	Buildings					
21	Energy Audit	Audits					
22	Small Commercial Demand Response	Devices					
23	Small Commercial Demand Response (IHD)	Devices					
24	Demand Response 3	Facilities					
25	Business Program Total						
26	Industrial Program						
27	Process & System Upgrades	Projects					
28	Monitoring & Targeting	Projects					
29	Energy Manager	Projects					
30	Retrofit	Projects					
31	Demand Response 3	Facilities					
32	Industrial Program Total						
33	Home Assistance Program						
34	Home Assistance Program	Homes					
35	Home Assistance Program Total						
36	Aboriginal Program						
37	Home Assistance Program	Homes					
38	Direct Install Lighting	Projects					
39	Aboriginal Program Total						
40	Pre-2011 Programs completed in 2011						
41	Electricity Retrofit Incentive Program	Projects					
42	High Performance New Construction	Projects					
43	Toronto Comprehensive	Projects					
44	Multifamily Energy Efficiency Rebates	Projects					
45	LDC Custom Programs	Projects					
46	Pre-2011 Programs completed in 2011 Total						
47	Other						
48	Program Enabled Savings	Projects					
49	Time-of-Use Savings	Homes					
50	LDC Pilots	Projects					
51	Other Total						
52	Adjustments to 2011 Verified Results						
53	Adjustments to 2012 Verified Results						
54	Adjustments to 2013 Verified Results						
55	Total Adjustments to Previous Years' Verified Results						
56	Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).		Adjustments to previous years' results shown in this table will not align to adjustments shown				
57							
58							
59							
60							
61							
62							
63							
64							
65							
66							
67							
68							

2

Table 10

243	Table 10. 2014 Lost Revenues Work Form									
244										
245										
246					Net Incremental Peak Demand Savings (kW)	Net Incremental Energy Savings (kWh)	Rate Allocation for LRAMVA			
247				Months of Demand Savings						
248		Initiative	Results Status		2014 kW Saved	2014 kWh Saved	Residential	General Service <50 kW	General Service 50 - 4,999 kW	Total
249	Consumer Program									
250	1	Appliance Retirement	Verified		1	7,429	100%			100%
251	2	Appliance Exchange	Verified		3	4,803	100%			100%
252	3	HVAC Incentives	Verified		31	56,704	100%			100%
253	4	Conservation Instant Coupon Booklet	Verified		4	48,362	100%			100%
254	5	Bi-Annual Retailer Event	Verified		13	194,837	100%			100%
255	7	Residential Demand Response (switch/pstat)	Verified		21	0	100%			100%
256	Business Program									
257	10	Retrofit	Verified	12	59	511,968		25%	75%	100%
258	11	Direct Instal Lighting	Verified	12	41	150,535		100%		100%
259	13	New Construction	Verified	12	112	525,100		50%	50%	100%
260	15	Small Commercial Demand Response (switch/pstat)	Verified	0	1	0				100%
261	17	Demand Response 3	Verified	0	51	0			100%	100%
262	Industrial Program									
263	20	Energy Manager	Verified	12	4	372,587			100%	100%
264	22	Demand Response 3	Verified	0	176	0			100%	100%
265	Other									
266	30	Time-of-Use Savings	Verified		100	0	75%	25%		100%
267	Total kWh					1,872,425	312,215	541,082	1,019,128	1,872,425
268	Total kWh (excludes DR)					1,872,425	312,215	541,082	1,019,128	1,872,425
269	Total GS > 50 kW								1,245	1,245
270	Total GS > 50 kW (excludes Building Commission)								1,245	1,245
271							kWh	kWh	kWh	
272	Distribution Rate in 2014						\$0.0127	\$0.0121	\$2.2571	
273	Lost Revenue in 2014 from 2011 programs						\$2,115	\$4,875	\$224	\$7,215
274	Lost Revenue in 2014 from 2012 programs						\$1,621	\$6,027	\$1,366	\$9,013
275	Lost Revenue in 2014 from 2013 programs						\$1,556	\$3,868	\$1,306	\$6,730
276	Lost Revenue in 2014 from 2014 programs						\$3,965	\$6,529	\$2,810	\$13,305
277	Total Lost Revenue in 2014						\$9,257	\$21,299	\$5,707	\$36,263
278	2014 Savings Persisting in 2015						306,326	530,875	537	
279										

Sheet 5 – 2015 LRAM

Table 11-a

This Table takes data from the LDC Progress sheet of the IESO Final 2015 Annual Verified Results Report.

For 2015, the IESO data and resulting Table 11-a are as follows:



# IESO 2015 LDC Progress Data - NOTL

Niagara-on-the-Lake Hydro Inc. Progress				Net Incremental First Year Energy Savings							Net Incremental First Year Peak Demand						
#	Programs	Actual Verified (kWh)						Actual Verified (kW)									
		2015	2016	2017	2018	2019	2020	Total		2015	2016	2017	2018	2019	2020	Total	
2011-2014+2015 Extension Legacy Framework Programs																	
Residential Program																	
1	Coupon Initiative	85,913						85,913		6						6	
2	Bi-Annual Retailer Event Initiative	146,333						146,333		10						10	
3	Appliance Retirement Initiative	3,267						3,267		1						1	
4	HVAC Incentives Initiative	65,698						65,698		35						35	
5	Residential New Construction and Major Renovation Initiative	0						0		0						0	
Sub-total - Residential Program		301,211						301,211		52						52	
Commercial & Institutional Program																	
6	Energy Audit Initiative	71,357						71,357		15						15	
7	Efficiency: Equipment Replacement Incentive Initiative	1,703,597						1,703,597		249						249	
8	Direct Install Lighting and Water Heating Initiative	113,027						113,027		26						26	
9	New Construction and Major Renovation Initiative	425,850						425,850		66						66	
10	Existing Building Commissioning Incentive Initiative	57,642						57,642		18						18	
Sub-total - Commercial & Institutional Program		2,371,473						2,371,473		374						374	
Industrial Program																	
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	0						0		0						0	
12	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	0						0		0						0	
13	Process and Systems Upgrades Initiatives - Energy Manager Initiative	283,809						283,809		44						44	
Sub-total - Industrial Program		283,809						283,809		44						44	
Low Income Program																	
14	Low Income Initiative	2,983						2,983		0						0	
Sub-total - Low-Income Program		2,983						2,983		0						0	
Pilot Program																	
15	Loblaws Pilot	0						0		0						0	
16	Social Benchmarking Pilot	0						0		0						0	
17	Conservation Fund Pilot - SEG	0						0		0						0	
18	Conservation Fund Pilot - EnerNOC	0						0		0						0	
Sub-total - Pilot Program		0						0		0						0	
Other																	
19	Aboriginal Conservation Program	0						0		0						0	
20	Program Enabled Savings	40,750						40,750		5						5	
21	Adjustments to 2015 Legacy Framework Verified Results	0						0		0						0	
Sub-total - Other		40,750						40,750		5						5	
Sub-total - 2011-2014+2015 Extension Legacy Framework		3,000,226						3,000,226		475						475	
Total		3,000,226						3,000,226		475						475	

Table 11-a

Table 11-a. 2015 LRAM Work Form									
#	Initiative	Results Status	Months of Demand Savings	Net Incremental Energy Savings (kWh)	Net Incremental Peak Demand Savings (kW)	Rate Allocation for LRAMVA			
				2015 kWh saved	2015 kW saved	Residential	General Service <50 kW	General Service 50 - 4,999 kW	Total
2011-2014+2015 Extension Legacy Framework Programs									
Residential Program									
1	Coupon Initiative	Verified		85,913	6	100%			100%
2	Bi-Annual Retailer Event Initiative	Verified		146,333	10	100%			100%
3	Appliance Retirement Initiative	Verified		3,267	1	100%			100%
5	HVAC Incentives Initiative	Verified		65,698	35	100%			100%
Commercial & Institutional Program									
7	Energy Audit Initiative	Verified	12	71,357	15			100%	100%
8	Efficiency: Equipment Replacement Incentive Initiative	Verified	12	1,703,597	249		15.78%	79.28%	95%
9	Direct Install Lighting and Water Heating Initiative	Verified	12	113,027	26		100%		100%
10	New Construction and Major Renovation Initiative	Verified	12	425,850	66			100%	100%
11	Existing Building Commissioning Incentive Initiative	Verified	3	57,642	18			100%	100%
Industrial Program									
14	Process and Systems Upgrades Initiatives - Energy Manager Initiative	Verified	12	283,809	44			100%	100%
Low Income Program									
15	Low Income Initiative	Verified		2,983	0	100%			100%
Other									
	Program Enabled Savings			40,750	5			100%	100%
2015-2020 Conservation First Framework Programs									
	Total kWh			3,000,226		304,194	361,855	2,229,679	2,915,728
	Total GS > 50 kW							3,922	3,922
	Total GS > 50 kW (excludes Building Commissioning)							3,868	3,868
						kWh	kWh	kW	
	Distribution Rate in 2015					\$0.0127	\$0.0113	\$2.1207	
	Lost Revenue in 2015 from 2011 programs					\$2,064	\$4,430	\$208	\$6,703
	Lost Revenue in 2015 from 2012 programs					\$1,419	\$4,913	\$1,117	\$7,449
	Lost Revenue in 2015 from 2013 programs					\$1,550	\$3,567	\$1,218	\$6,350
	Lost Revenue in 2015 from 2014 programs					\$3,901	\$5,981	\$1,245	\$11,126
	Lost Revenue in 2015 from 2015 programs					\$3,873	\$4,302	\$0,318	\$18,494
	Total Lost Revenue in 2015					\$12,807	\$23,214	\$12,107	\$48,127
	2015 Savings Persisting in 2016					302,085	379,183	3,836	
	2015 Savings Persisting in 2017					276,834	347,510	3,510	
	2015 Savings Persisting in 2018					270,980	340,162	3,363	
	2015 Savings Persisting in 2019					263,662	330,975	3,233	
	2015 Savings Persisting in 2020					263,411	320,664	3,263	

1 Sheet 6 - Persistence Rates

2 • Table 12

3 This Table takes data from the LDC Summary sheet of the IESO 2011-2014  
4 Final Results Report for the years 2011-2014 and from a report requested  
5 from the IESO by NOTL for the persistence of 2011-2014 programs.

6 For 2015 to 2020, the data is from the IESO Final 2015 Annual Verified  
7 Results Report – Annual Persistence,

8 For 2011-2014, the IESO data and resulting Table 12 are as follows:

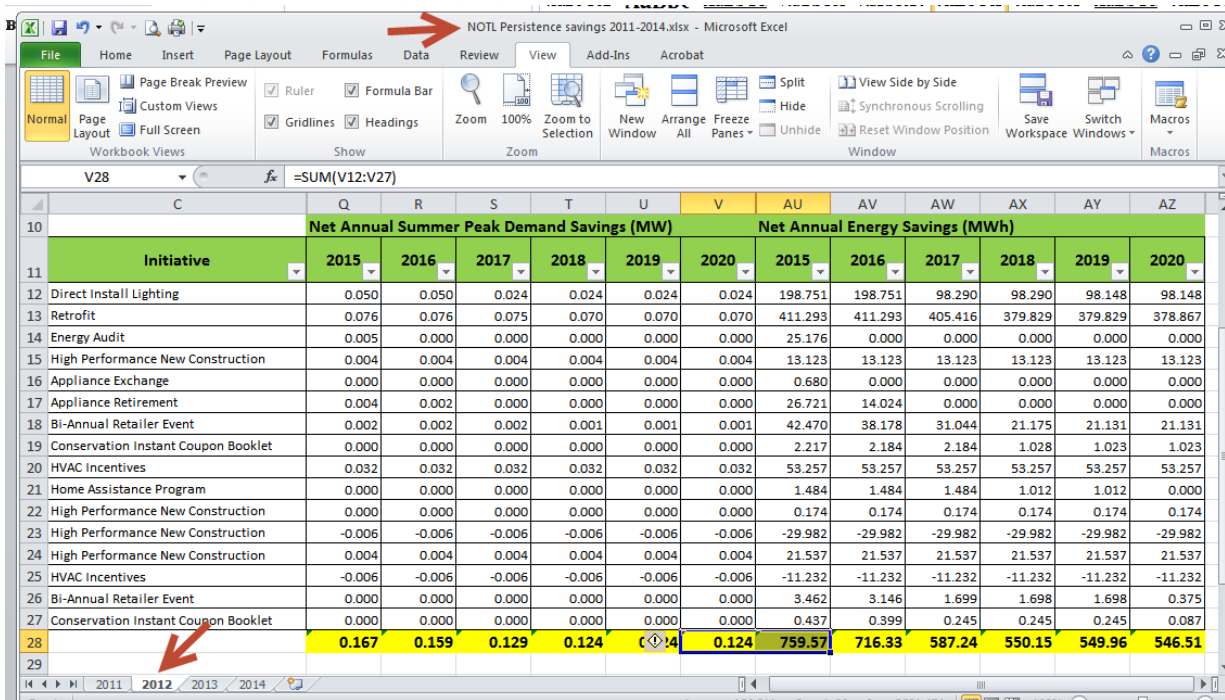
9 IESO 2011-14 LDC Summary Data - NOTL

	A	B	C	D	E	F
1	<b>Summary Achievement Against CDM Targets</b>					
	Results are recognized using current IESO reporting policies. Energy efficiency resources persist for the duration of the effective useful life. Any upcoming code changes are taken into account. Demand response resources persist for 1 year (Scenario 1). Please see methodology tab for more detailed information.					
2						
3	<b>Table 4: Net Peak Demand Savings at the End User Level (MW) (Scenario 1)</b>					
4						
5	<b>Implementation Period</b>	<b>Annual</b>				
6		<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	
7	2011 - Verified	0.299	0.299	0.291	0.230	
8	2012 - Verified†	-0.003	0.194	0.194	0.192	
9	2013 - Verified†	0.000	0.012	0.381	0.207	
10	2014 - Verified†	0.000	0.060	0.088	0.743	
11	<b>Verified Net Annual Peak Demand Savings Persisting in 2014:</b>					<b>1.4</b>
12	<b>Niagara-on-the-Lake Hydro Inc. 2014 Annual CDM Capacity Target:</b>					<b>2.4</b>
13	<b>Verified Portion of Peak Demand Savings Target Achieved in 2014 (%):</b>					<b>56.7%</b>
14						
15	<b>Table 5: Net Energy Savings at the End User Level (GWh)</b>					
16						
17	<b>Implementation Period</b>	<b>Annual</b>				<b>Cumulative</b>
18		<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2011-2014</b>
19	2011 - Verified	1.02300	1.02300	0.99800	0.82900	3.87300
20	2012 - Verified†	0.01400	0.87900	0.87900	0.87000	2.64200
21	2013 - Verified†	0.00000	0.05600	1.00700	1.00400	2.06700
22	2014 - Verified†	0.00000	0.03400	0.05500	1.92800	2.01700
23	<b>Verified Net Cumulative Energy Savings 2011-2014:</b>					<b>10.6</b>
24	<b>Niagara-on-the-Lake Hydro Inc. 2011-2014 Annual CDM Energy Target:</b>					<b>8.3</b>
25	<b>Verified Portion of Cumulative Energy Target Achieved in 2014 (%):</b>					<b>128.2%</b>
26	<i>†includes adjustments to previous years' verified results</i>					
27	<i>Results presented using scenario 1 which assumes that demand response resources have a persistence of 1 year</i>					



1

## From 2012 Programs

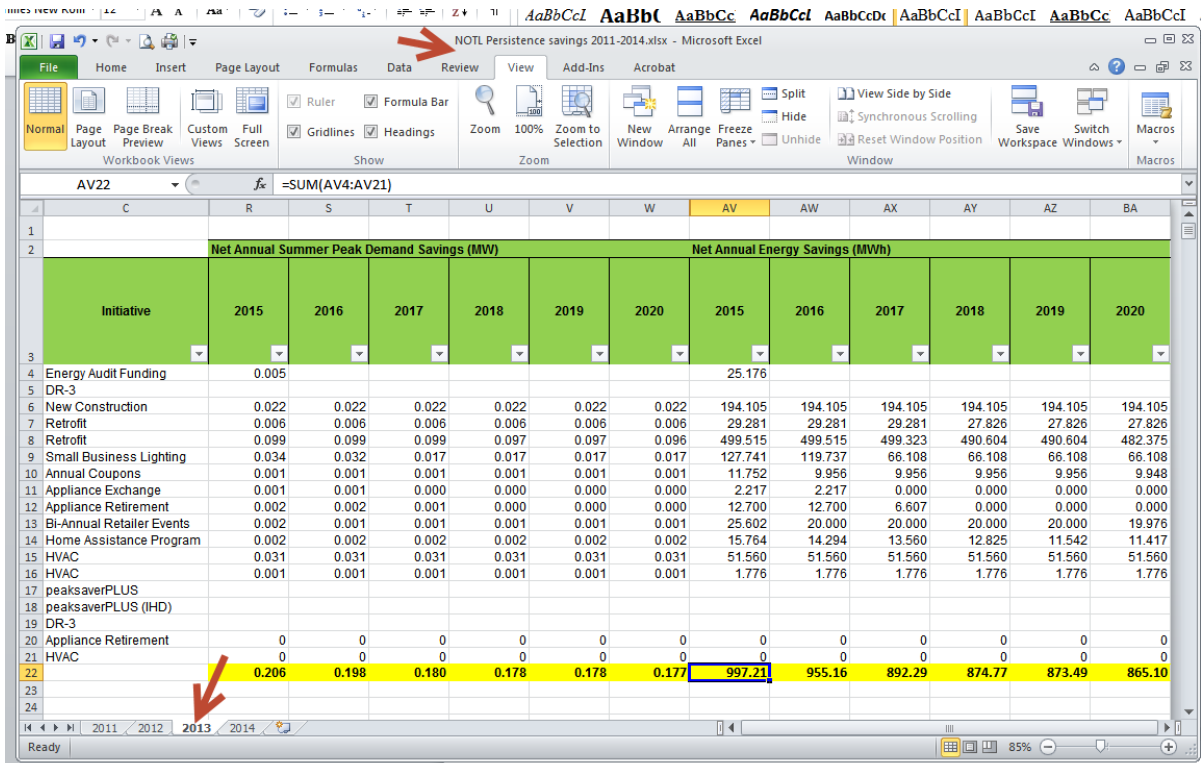


Net Annual Summer Peak Demand Savings (MW)							Net Annual Energy Savings (MWh)					
Initiative	2015	2016	2017	2018	2019	2020	2015	2016	2017	2018	2019	2020
Direct Install Lighting	0.050	0.050	0.024	0.024	0.024	0.024	198.751	198.751	98.290	98.290	98.148	98.148
Retrofit	0.076	0.076	0.075	0.070	0.070	0.070	411.293	411.293	405.416	379.829	379.829	378.867
Energy Audit	0.005	0.000	0.000	0.000	0.000	0.000	25.176	0.000	0.000	0.000	0.000	0.000
High Performance New Construction	0.004	0.004	0.004	0.004	0.004	0.004	13.123	13.123	13.123	13.123	13.123	13.123
Appliance Exchange	0.000	0.000	0.000	0.000	0.000	0.000	0.680	0.000	0.000	0.000	0.000	0.000
Appliance Retirement	0.004	0.002	0.000	0.000	0.000	0.000	26.721	14.024	0.000	0.000	0.000	0.000
Bi-Annual Retailer Event	0.002	0.002	0.002	0.001	0.001	0.001	42.470	38.178	31.044	21.175	21.131	21.131
Conservation Instant Coupon Booklet	0.000	0.000	0.000	0.000	0.000	0.000	2.217	2.184	2.184	1.028	1.023	1.023
HVAC Incentives	0.032	0.032	0.032	0.032	0.032	0.032	53.257	53.257	53.257	53.257	53.257	53.257
Home Assistance Program	0.000	0.000	0.000	0.000	0.000	0.000	1.484	1.484	1.484	1.012	1.012	0.000
High Performance New Construction	0.000	0.000	0.000	0.000	0.000	0.000	0.174	0.174	0.174	0.174	0.174	0.174
High Performance New Construction	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-29.982	-29.982	-29.982	-29.982	-29.982	-29.982
High Performance New Construction	0.004	0.004	0.004	0.004	0.004	0.004	21.537	21.537	21.537	21.537	21.537	21.537
HVAC Incentives	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-11.232	-11.232	-11.232	-11.232	-11.232	-11.232
Bi-Annual Retailer Event	0.000	0.000	0.000	0.000	0.000	0.000	3.462	3.146	1.699	1.698	1.698	0.375
Conservation Instant Coupon Booklet	0.000	0.000	0.000	0.000	0.000	0.000	0.437	0.399	0.245	0.245	0.245	0.087
<b>Total</b>	<b>0.167</b>	<b>0.159</b>	<b>0.129</b>	<b>0.124</b>	<b>0.124</b>	<b>0.124</b>	<b>759.57</b>	<b>716.33</b>	<b>587.24</b>	<b>550.15</b>	<b>549.96</b>	<b>546.51</b>

2

3

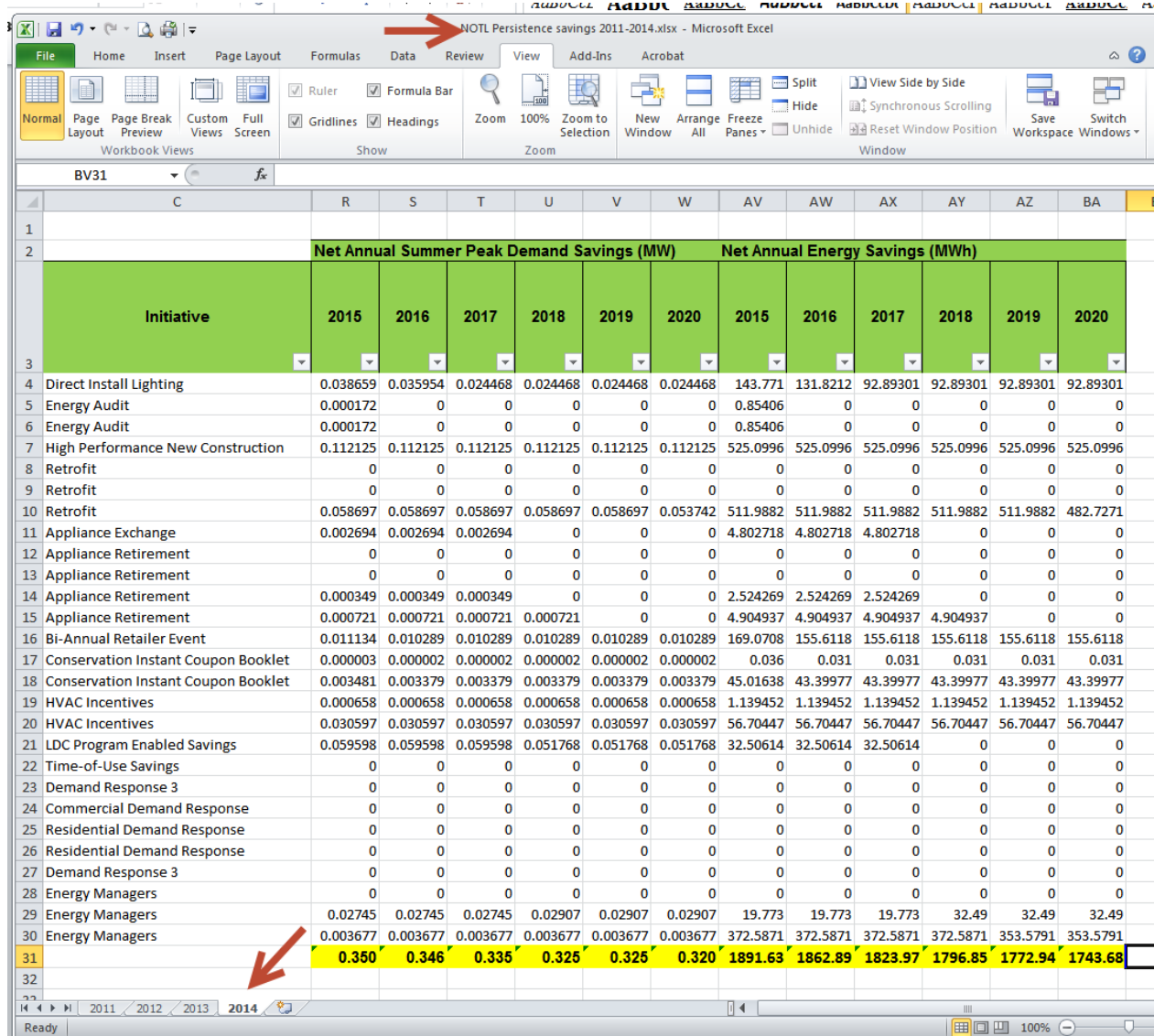
## From 2013 Programs



Net Annual Summer Peak Demand Savings (MW)							Net Annual Energy Savings (MWh)					
Initiative	2015	2016	2017	2018	2019	2020	2015	2016	2017	2018	2019	2020
Energy Audit Funding	0.005						25.176					
DR-3												
New Construction	0.022	0.022	0.022	0.022	0.022	0.022	194.105	194.105	194.105	194.105	194.105	194.105
Retrofit	0.006	0.006	0.006	0.006	0.006	0.006	29.281	29.281	29.281	27.826	27.826	27.826
Retrofit	0.099	0.099	0.099	0.097	0.097	0.096	499.515	499.515	499.323	490.604	490.604	482.375
Small Business Lighting	0.034	0.032	0.017	0.017	0.017	0.017	127.741	119.737	66.108	66.108	66.108	66.108
Annual Coupons	0.001	0.001	0.001	0.001	0.001	0.001	11.752	9.956	9.956	9.956	9.956	9.948
Appliance Exchange	0.001	0.001	0.000	0.000	0.000	0.000	2.217	2.217	0.000	0.000	0.000	0.000
Appliance Retirement	0.002	0.002	0.001	0.000	0.000	0.000	12.700	12.700	6.607	0.000	0.000	0.000
Bi-Annual Retailer Events	0.002	0.001	0.001	0.001	0.001	0.001	25.602	20.000	20.000	20.000	20.000	19.976
Home Assistance Program	0.002	0.002	0.002	0.002	0.002	0.002	15.764	14.294	13.560	12.825	11.542	11.417
HVAC	0.031	0.031	0.031	0.031	0.031	0.031	51.560	51.560	51.560	51.560	51.560	51.560
HVAC	0.001	0.001	0.001	0.001	0.001	0.001	1.776	1.776	1.776	1.776	1.776	1.776
peaksaverPLUS												
peaksaverPLUS (IHD)												
DR-3												
Appliance Retirement	0	0	0	0	0	0	0	0	0	0	0	0
HVAC	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0.206</b>	<b>0.198</b>	<b>0.180</b>	<b>0.178</b>	<b>0.178</b>	<b>0.177</b>	<b>997.21</b>	<b>955.16</b>	<b>892.29</b>	<b>874.77</b>	<b>873.49</b>	<b>865.10</b>

4

From 2014 Programs



	C	R	S	T	U	V	W	AV	AW	AX	AY	AZ	BA
1													
2		Net Annual Summer Peak Demand Savings (MW)						Net Annual Energy Savings (MWh)					
	Initiative	2015	2016	2017	2018	2019	2020	2015	2016	2017	2018	2019	2020
4	Direct Install Lighting	0.038659	0.035954	0.024468	0.024468	0.024468	0.024468	143.771	131.8212	92.89301	92.89301	92.89301	92.89301
5	Energy Audit	0.000172	0	0	0	0	0	0.85406	0	0	0	0	0
6	Energy Audit	0.000172	0	0	0	0	0	0.85406	0	0	0	0	0
7	High Performance New Construction	0.112125	0.112125	0.112125	0.112125	0.112125	0.112125	525.0996	525.0996	525.0996	525.0996	525.0996	525.0996
8	Retrofit	0	0	0	0	0	0	0	0	0	0	0	0
9	Retrofit	0	0	0	0	0	0	0	0	0	0	0	0
10	Retrofit	0.058697	0.058697	0.058697	0.058697	0.058697	0.053742	511.9882	511.9882	511.9882	511.9882	511.9882	482.7271
11	Appliance Exchange	0.002694	0.002694	0.002694	0	0	0	4.802718	4.802718	4.802718	0	0	0
12	Appliance Retirement	0	0	0	0	0	0	0	0	0	0	0	0
13	Appliance Retirement	0	0	0	0	0	0	0	0	0	0	0	0
14	Appliance Retirement	0.000349	0.000349	0.000349	0	0	0	2.524269	2.524269	2.524269	0	0	0
15	Appliance Retirement	0.000721	0.000721	0.000721	0.000721	0	0	4.904937	4.904937	4.904937	4.904937	0	0
16	Bi-Annual Retailer Event	0.011134	0.010289	0.010289	0.010289	0.010289	0.010289	169.0708	155.6118	155.6118	155.6118	155.6118	155.6118
17	Conservation Instant Coupon Booklet	0.000003	0.000002	0.000002	0.000002	0.000002	0.000002	0.036	0.031	0.031	0.031	0.031	0.031
18	Conservation Instant Coupon Booklet	0.003481	0.003379	0.003379	0.003379	0.003379	0.003379	45.01638	43.39977	43.39977	43.39977	43.39977	43.39977
19	HVAC Incentives	0.000658	0.000658	0.000658	0.000658	0.000658	0.000658	1.139452	1.139452	1.139452	1.139452	1.139452	1.139452
20	HVAC Incentives	0.030597	0.030597	0.030597	0.030597	0.030597	0.030597	56.70447	56.70447	56.70447	56.70447	56.70447	56.70447
21	LDC Program Enabled Savings	0.059598	0.059598	0.059598	0.051768	0.051768	0.051768	32.50614	32.50614	32.50614	0	0	0
22	Time-of-Use Savings	0	0	0	0	0	0	0	0	0	0	0	0
23	Demand Response 3	0	0	0	0	0	0	0	0	0	0	0	0
24	Commercial Demand Response	0	0	0	0	0	0	0	0	0	0	0	0
25	Residential Demand Response	0	0	0	0	0	0	0	0	0	0	0	0
26	Residential Demand Response	0	0	0	0	0	0	0	0	0	0	0	0
27	Demand Response 3	0	0	0	0	0	0	0	0	0	0	0	0
28	Energy Managers	0	0	0	0	0	0	0	0	0	0	0	0
29	Energy Managers	0.02745	0.02745	0.02745	0.02907	0.02907	0.02907	19.773	19.773	19.773	32.49	32.49	32.49
30	Energy Managers	0.003677	0.003677	0.003677	0.003677	0.003677	0.003677	372.5871	372.5871	372.5871	372.5871	353.5791	353.5791
31		0.350	0.346	0.335	0.325	0.325	0.320	1891.63	1862.89	1823.97	1796.85	1772.94	1743.68



Table 12 – 2015-2020

2

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

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



Ontario Energy Board

LRAMVA Work Form:  
Persistence Rates

Persistence Rates

Table 12. Determination of 2011-2014 Persistence Rates

Implementation Period	Annual Net Energy Savings (GWh)						Annual Net Peak Savings (MW)					
	2015	2016	2017	2018	2019	2020	2015	2016	2017	2018	2019	2020
2011 - Verified	0.80685	0.76840	0.60488	0.56672	0.56264	0.52174	0.228	0.223	0.163	0.154	0.148	0.146
2012 - Verified	0.75957	0.71633	0.58724	0.55015	0.54996	0.54651	0.167	0.159	0.129	0.124	0.124	0.124
2013 - Verified	0.99721	0.95516	0.89229	0.87477	0.87349	0.86510	0.206	0.198	0.180	0.178	0.178	0.177
2014 - Verified	1.89163	1.86289	1.82397	1.79685	1.77294	1.74368	0.350	0.346	0.335	0.325	0.325	0.320

Implementation Period	Persistence Factor (GWh)						Persistence Factor (MW)					
	2015	2016	2017	2018	2019	2020	2015	2016	2017	2018	2019	2020
2011	0.79	0.75	0.59	0.55	0.55	0.51	0.76	0.75	0.54	0.51	0.49	0.49
2012	0.86	0.81	0.67	0.63	0.63	0.62	0.86	0.82	0.66	0.64	0.64	0.64
2013	0.99	0.95	0.89	0.87	0.87	0.86	0.54	0.52	0.47	0.47	0.47	0.46
2014	0.98	0.97	0.95	0.93	0.92	0.90	0.47	0.47	0.45	0.44	0.44	0.43

For 2015-2020, the IESO energy and demand savings data and resulting Table 13 are as follows:

IESO Final 2015 Annual Verified Results Report – Annual Persistence

Final 2015 Annual Verified Results - Annual Persistence Report		Net Verified Annual Energy Savings, at the End-User Level (kWh)					
For: Niagara-on-the-Lake Hydro Inc.							
#	Program	2015	2016	2017	2018	2019	2020
Legacy Framework							
1	Coupon Initiative	85,913	85,119	85,119	85,119	85,119	85,119
2	Bi-Annual Retailer Event Initiative	146,333	143,732	143,732	143,732	143,732	143,732
3	Appliance Retirement Initiative	3,267	3,267	3,267	3,267	2,442	0
4	HVAC Incentives Initiative	65,698	65,698	65,698	65,698	65,698	65,698
5	Residential New Construction and Major Renovation Initiative	0	0	0	0	0	0
6	Energy Audit Initiative	71,357	71,357	71,357	71,357	0	0
7	Efficiency: Equipment Replacement Incentive Initiative	1,703,597	1,703,597	1,697,753	1,697,753	1,697,753	1,697,753
8	Direct Install Lighting and Water Heating Initiative	113,027	95,901	71,527	71,527	71,527	71,527
9	New Construction and Major Renovation Initiative	425,850	425,850	207,306	207,306	207,306	207,306
10	Existing Building Commissioning Incentive Initiative	57,642	57,642	57,642	0	0	0
11	Process and Systems Upgrades Initiatives - Project Incentive Initiative	0	0	0	0	0	0
12	Process and Systems Upgrades Initiatives - Energy Manager Initiative	283,809	283,809	283,809	283,809	283,809	283,809
13	Process and Systems Upgrades Initiatives - Monitoring and Targeting Initiative	0	0	0	0	0	0
14	Low Income Initiative	2,983	2,510	2,418	2,326	2,326	2,326
15	Loblaws Pilot	0	0	0	0	0	0
16	Social Benchmarking Pilot	0	0	0	0	0	0
17	Conservation Fund Pilot - SEG	0	0	0	0	0	0
18	Conservation Fund Pilot - EnerNOC	0	0	0	0	0	0
19	Aboriginal Conservation Program	0	0	0	0	0	0
20	Program Enabled Savings	40,750	40,750	40,750	40,750	40,750	40,750
Conservation First Framework							
21	Save on Energy Coupon Program	0	0	0	0	0	0
22	Save on Energy Heating and Cooling Program	0	0	0	0	0	0
23	Save on Energy Home Assistance Program	0	0	0	0	0	0
24	Save on Energy Audit Funding Program	0	0	0	0	0	0
25	Save on Energy Retrofit Program	0	0	0	0	0	0
Total		3,000,226	2,979,232	2,730,378	2,672,644	2,600,462	2,598,020

2

3

4

5

6

7

8

9



1 Sheet 7 – Carrying Charges

2 The user entries into this sheet are amounts cleared for the total of \$726 in  
3 carrying charges approved in the 2014 cost of service application<sup>11</sup>. This amount  
4 is allocated across rate classes in the same proportion as the clearance of  
5 principal amounts in row 33 of Table 1 of Sheet 1 of the LRAM model.

	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	<b>LRAMVA Work Form:</b>													
2	<b>Carrying Charges (by Rate Class)</b>													
3	<b>Carrying Charges by Rate Class</b>													
64	Apr-14	2011-2014	Q2	0.12%	\$14.36	\$51.65	-\$0.41	-\$0.01	\$7.99	\$73.58				
65	May-14	2011-2014	Q2	0.12%	\$13.98	\$53.12	-\$0.55	-\$0.01	\$7.88	\$74.38				
66	Jun-14	2011-2014	Q2	0.12%	\$13.56	\$54.59	-\$0.68	-\$0.02	\$7.73	\$75.18				
67	Jul-14	2011-2014	Q3	0.12%	\$13.16	\$56.06	-\$0.82	-\$0.02	\$7.61	\$75.99				
68	Aug-14	2011-2014	Q3	0.12%	\$12.78	\$57.53	-\$0.96	-\$0.02	\$7.48	\$76.79				
69	Sep-14	2011-2014	Q3	0.12%	\$12.36	\$59.01	-\$1.09	-\$0.03	\$7.35	\$77.59				
70	Oct-14	2011-2014	Q4	0.12%	\$11.96	\$60.48	-\$1.23	-\$0.03	\$7.23	\$78.40				
71	Nov-14	2011-2014	Q4	0.12%	\$11.55	\$61.95	-\$1.36	-\$0.04	\$7.10	\$79.20				
72	Dec-14	2011-2014	Q4	0.12%	\$11.15	\$63.42	-\$1.50	-\$0.04	\$6.97	\$80.00				
73	<b>Total for fiscal year 2014</b>				<b>\$385.37</b>	<b>\$1,324.80</b>	<b>-\$9.01</b>	<b>-\$0.23</b>	<b>\$175.53</b>	<b>\$1,876.26</b>				
74	<b>Amount Cleared</b>				<b>-\$181.00</b>	<b>-\$534.41</b>	<b>-\$10.51</b>			<b>-\$725.92</b>				
75	<b>Opening Balance for fiscal year 2015</b>				<b>\$204.37</b>	<b>\$790.20</b>	<b>-\$19.52</b>	<b>-\$0.23</b>	<b>\$175.53</b>	<b>\$1,150.33</b>				
76	Jan-15	2011-2015	Q1	0.12%	\$2.53	\$40.60	-\$1.64	-\$0.04	\$6.37	\$47.81				
77	Feb-15	2011-2015	Q1	0.12%	\$2.49	\$42.31	-\$1.79	-\$0.04	\$6.93	\$49.89				
78	Mar-15	2011-2015	Q1	0.12%	\$2.44	\$44.03	-\$1.95	-\$0.05	\$7.50	\$51.98				
79	Apr-15	2011-2015	Q2	0.09%	\$1.80	\$34.23	-\$1.57	-\$0.04	\$6.04	\$40.45				
80	May-15	2011-2015	Q2	0.09%	\$1.77	\$35.51	-\$1.69	-\$0.04	\$6.47	\$42.01				
81	Jun-15	2011-2015	Q2	0.09%	\$1.74	\$36.79	-\$1.80	-\$0.04	\$6.89	\$43.57				
82	Jul-15	2011-2015	Q3	0.09%	\$1.70	\$38.07	-\$1.92	-\$0.04	\$7.32	\$45.13				
83	Aug-15	2011-2015	Q3	0.09%	\$1.67	\$39.36	-\$2.04	-\$0.04	\$7.74	\$46.69				
84	Sep-15	2011-2015	Q3	0.09%	\$1.64	\$40.64	-\$2.15	-\$0.05	\$8.17	\$48.25				
85	Oct-15	2011-2015	Q4	0.09%	\$1.61	\$41.92	-\$2.27	-\$0.05	\$8.59	\$49.81				
86	Nov-15	2011-2015	Q4	0.09%	\$1.58	\$43.20	-\$2.38	-\$0.05	\$9.02	\$51.37				
87	Dec-15	2011-2015	Q4	0.09%	\$1.55	\$44.48	-\$2.50	-\$0.05	\$9.45	\$52.93				
88	<b>Total for fiscal year 2015</b>				<b>\$226.89</b>	<b>\$1,271.33</b>	<b>-\$43.22</b>	<b>-\$0.76</b>	<b>\$266.01</b>	<b>\$1,720.25</b>				
89	<b>Amount Cleared</b>													

6

7 Conclusion

8 The total claim as a result of these various user inputs into the LRAM model is  
9 \$62,033 as indicated on Page 9 above.

<sup>11</sup> See EB-2013-0155, Exhibit 9, Tab 2, Schedule 1, Page 27.

## **4. GROUP 1 DEFERRAL AND VARIANCE ACCOUNTS**

### **2016 IRM APPROVAL – GROUP 1 ACCOUNTS**

On March 17, 2016, the Ontario Energy Board's Decision and Rate Order (EB-2015-0091) approved a one year disposition for NOTL Hydro's December 31, 2014 Group 1 deferral and variance account balances excluding Global Adjustment Account 1589. This Rate Order approved a two year disposition for Account 1589.<sup>12</sup>

The extract below from Page 8 of the OEB Decision and Rate Order identifies the principal and interest amounts approved for disposition for each Account:

Ontario Energy Board EB-2015-0091  
Niagara-on-the-Lake Hydro Inc.

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

**Group 1 Deferral and Variance Account Balances**

<b>Account Name</b>	<b>Account Number</b>	<b>Principal Balance (\$) A</b>	<b>Interest Balance (\$) B</b>	<b>Total Claim (\$) C=A+B</b>
Smart Meter Entity Variance Charge	1551	(3,118)	(81)	(3,199)
RSVA - Wholesale Market Service Charge	1580	(87,893)	(1,673)	(89,566)
RSVA - Retail Transmission Network Charge	1584	71,183	1,912	73,095
RSVA - Retail Transmission Connection Charge	1586	15,116	368	15,484
RSVA – Power	1588	(668,081)	(20,744)	(688,825)
RSVA - Global Adjustment	1589	1,020,143	21,891	1,042,035
Disposition and Recovery of Regulatory Balances (2009)	1595	(15)	0	(15)
Disposition and Recovery of Regulatory Balances (2010)	1595	158	3	161
Disposition and Recovery of Regulatory Balances (2011)	1595	(414)	94	(321)
Disposition and Recovery of Regulatory Balances (2012)	1595	136	(13,927)	(13,791)
Disposition and Recovery of Regulatory Balances (2013)	1595	25,182	4,077	29,259

<sup>12</sup> A Final Rate Order was issued on March 24, 2016 to correct an inaccuracy in the Tariff. This Order did not affect the Group 1 Accounts decision of March 17, 2016.

1 In 2016, these approved balances were transferred to a sub-account of 1595 in  
2 accordance with the Decision and Order. The corresponding rate riders for the  
3 refund of the approved balances are effective until April 30, 2017, except for the  
4 Global Adjustment Riders which are effective until April 30, 2018.

5 The disposed amounts are entered in Columns BM and BN of Sheet 3 of the  
6 2017 IRM model as per below:

		B	C	D	BM	BN	
16							201
17							
18	<b>Account Descriptions</b>		<b>Account Number</b>		<b>Principal Disposition during 2016 - instructed by OEB</b>	<b>Interest Disposition during 2016 - instructed by OEB</b>	<b>Ch B / I</b>
19							
20	<b>Group 1 Accounts</b>						
21	LV Variance Account		1550				
22	Smart Metering Entity Charge Variance Account		1551		(3,118)	(81)	
23	RSVA - Wholesale Market Service Charge		1580		(87,893)	(1,673)	
24	Variance WMS – Sub-account CBR Class A		1580		0	0	
25	Variance WMS – Sub-account CBR Class B		1580		0	0	
26	RSVA - Retail Transmission Network Charge		1584		71,183	1,912	
27	RSVA - Retail Transmission Connection Charge		1586		15,116	368	
28	RSVA - Power		1588		(668,081)	(20,744)	
29	RSVA - Global Adjustment		1589		1,020,143	21,892	
30	Disposition and Recovery/Refund of Regulatory Balances (2009) <sup>4</sup>		1595		(15)	(0)	
31	Disposition and Recovery/Refund of Regulatory Balances (2010) <sup>4</sup>		1595		158	2	
32	Disposition and Recovery/Refund of Regulatory Balances (2011) <sup>4</sup>		1595		(414)	94	
33	Disposition and Recovery/Refund of Regulatory Balances (2012) <sup>4</sup>		1595		137	(13,928)	
34	Disposition and Recovery/Refund of Regulatory Balances (2013) <sup>4</sup>		1595		25,182	4,077	
35	Disposition and Recovery/Refund of Regulatory Balances (2014) <sup>4</sup>		1595		0	0	
36	Disposition and Recovery/Refund of Regulatory Balances (2015) <sup>4</sup>		1595		0	0	
37	<i>Not to be disposed of unless rate rider has expired and balance has been audited</i>		1595		0	0	
38	<b>RSVA - Global Adjustment</b>		<b>1589</b>		1,020,143	21,892	
39	<b>Total Group 1 Balance excluding Account 1589 - Global Adjustment</b>				(647,746)	(29,973)	
40	<b>Total Group 1 Balance</b>				372,397	(8,081)	
41							
42	<b>LRAM Variance Account (only input amounts if applying for disposition of this acco</b>		<b>1568</b>		0	0	
43							
44	<b>Total including Account 1568</b>				372,397	(8,081)	
45							

## 8 2017 IRM CLAIM – GROUP 1 ACCOUNTS<sup>13</sup>

9 This section sets out the 2017 IRM Claims for the Group 1 Accounts and 1568.

<sup>13</sup> In this Section, some amounts appear to differ by +/- \$1 due to rounding effects.

1 Please note that in the continuity schedule in Sheet 3 of the IRM model, the  
2 starting point for entries is the balance sheet date for which approval was  
3 received in the 2014 CoS, i.e. December 31, 2012.

#### 4 **Interest Rates**

5 The interest rates that have been used to calculate actual and forecast carrying  
6 charges on the accounts are shown in Table 4.1 and are in accordance with the  
7 methodology approved by the Board in EB-2006-0117 on November 28, 2006.

8 **Table 4.1: Interest Rates Applied to Deferral and Variance Accounts (%)**

Quarter by Year	Approved DVA
	Prescribed interest Rate
Q2 2017*	1.10%
Q1 2017*	1.10%
Q4 2016*	1.10%
Q3 2016	1.10%
Q2 2016	1.10%
Q1 2016	1.10%
Q4 2015	1.10%
Q3 2015	1.10%
Q2 2015	1.10%
Q1 2015	1.47%
Q4 2014	1.47%
Q3 2014	1.47%
Q2 2014	1.47%
Q1 2014	1.47%
Q4 2013	1.47%
Q3 2013	1.47%
Q2 2013	1.47%
Q1 2013	1.47%

(\* Assumes same rate as Q3 2016)

**Claimed Amounts<sup>14</sup>**

The total Group 1 Accounts claim is a credit amount of (\$325,352) as per cell BT40 of Sheet 3 of the 2017 IRM model and summarized in Table 4.2 below.

The LRAM claim is a debit amount of \$62,033 as per cell BT42. Details of each account are shown following Table 4.2.

With regard to Section 3.2.5 of the Chapter 3 Filing Requirements, Page 11, NOTL Hydro:

- Confirms that no adjustments are being made to any DVA balances previously approved by the Board on a final basis
- Indicates that certain account balances in the continuity schedule do differ from the 2015 year-end trial balance reported through RRR and the audited financial statements. The details are provided in the relevant Account sections below. The differences are entered in columns BF and BK of Sheet 3. These differences are for the following Accounts:
  - Accounts 1580, 1588 and 1589, related to a dispute with the IESO regarding their invoice for November 2015.
  - Account 1568, as a result of NOTL's revised estimate of the LRAM claim when using the prescribed OEB LRAM model.

---

<sup>14</sup> In the explanations below, some amounts mentioned may vary by +/- \$1 from sums of the rounded amounts in the continuity schedule due to rounding effects.

1

**Table 4.2 Summary of Claims**

Account Descriptions	Account Number	Total Claim
<b>Group 1 Accounts</b>		
LV Variance Account	1550	0.00
Smart Metering Entity Charge Variance Account	1551	(2,590.30)
RSVA - Wholesale Market Service Charge	1580	(460,858.50)
Variance WMS – Sub-account CBR Class A	1580	<input type="checkbox"/> Check to Dispose of Account (Disabled) 0.00
Variance WMS – Sub-account CBR Class B	1580	<input checked="" type="checkbox"/> Check to Dispose of Account 57,709.83
RSVA - Retail Transmission Network Charge	1584	(4,067.72)
RSVA - Retail Transmission Connection Charge	1586	4,718.94
RSVA - Power	1588	29,003.85
RSVA - Global Adjustment	1589	6,529.32
Disposition and Recovery/Refund of Regulatory Balances (2009) <sup>4</sup>	1595	<input checked="" type="checkbox"/> Check to Dispose of Account 30.47
Disposition and Recovery/Refund of Regulatory Balances (2010) <sup>4</sup>	1595	<input checked="" type="checkbox"/> Check to Dispose of Account (162.83)
Disposition and Recovery/Refund of Regulatory Balances (2011) <sup>4</sup>	1595	<input checked="" type="checkbox"/> Check to Dispose of Account (485.36)
Disposition and Recovery/Refund of Regulatory Balances (2012) <sup>4</sup>	1595	<input checked="" type="checkbox"/> Check to Dispose of Account 52.97
Disposition and Recovery/Refund of Regulatory Balances (2013) <sup>4</sup>	1595	<input checked="" type="checkbox"/> Check to Dispose of Account 77.30
Disposition and Recovery/Refund of Regulatory Balances (2014) <sup>4</sup>	1595	<input checked="" type="checkbox"/> Check to Dispose of Account 44,669.57
Disposition and Recovery/Refund of Regulatory Balances (2015) <sup>4</sup> <i>Not to be disposed of unless rate rider has expired and balance has been audited</i>	1595	<input type="checkbox"/> Check to Dispose of Account 0.00
RSVA - Global Adjustment	1589	6,529.32
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(331,881.77)
Total Group 1 Balance		(325,352.45)
LRAM Variance Account (only input amounts if applying for disposition of this accoi	1568	62,033.01
Total including Account 1568		(263,319.44)

2

3 **1550 Retail Settlement Variance Account – Low Voltage Variance Account**

4 NOTL Hydro has had no transactions and a zero balance in this account  
5 since disposition of the account in NOTL Hydro's 2009 cost of service  
6 application, EB-2008-0237. NOTL Hydro is not an embedded Distributor.

7 **1551 Smart Metering Entity Charge Variance Account**

8 NOTL Hydro is requesting disposition of:

- 9
- the total December 31, 2015 audited credit balance of (\$5,751)
  - less the 2016 IRM approved disposition total of credit (\$3,199),
  - plus the forecasted interest from January 1, 2016 through April 30,
- 12 2017 of credit (\$38).

13 The claim is a balance of credit (\$2,590).

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

This account records the net of the amount charged by the Independent Electricity System Operator (IESO) based on the settlement invoices for the operation of the IESO-administered markets and the operation of the IESO-controlled grid, and the amount billed to customers using the OEB-approved Wholesale Market Service Rate. NOTL uses accrual method.

For 2017, NOTL Hydro is requesting disposition of:

- a closing principal balance at December 31, 2016 of (\$451,989) adjusted for dispositions during 2016, plus
- a closing interest balance of (\$2,240) adjusted for dispositions during 2016,
- plus the forecasted interest of (\$4,972) for 2016,
- plus the forecasted interest of (\$1,657) for January 1, 2017 through April 30, 2017.

The claim is a balance of (\$460,858).

This claim includes:

- A Principal Adjustment during 2015 of \$10,824
- An Interest Adjustment during 2015 of \$10

The Principal Adjustment for 2015 assumes IESO acceptance of NOTL's position that the November metering data on which the IESO invoice was based is incorrect and resulted in a total invoice (excluding HST) which is estimated to be \$460,377 more than it should have been. Details are provided in the NOD document filed with this application<sup>1516</sup>.

<sup>15</sup> NOTL Hydro - Notice of Dispute - August 2016.pdf.

<sup>16</sup> If the final resolution of the NOD process differs from NOTL's submitted estimate and occurs before the 2017 rates process is complete, NOTL is prepared to make the necessary changes to the 2017 rate riders. Otherwise, appropriate adjustments would be made in the 2018 rate application.

Table 4.3 below is based on the next to last page of the NOD document.

This Table shows the impact on the DVA accounts 1580, 1588 and 1589 of the changes to the RSVA calculations for 2015 which were required to reflect what NOTL believes to be the correct amount of the November invoice:

- Debit to 1580 of \$10,824
- Credit to 1588 of (\$35,791)
- Credit to 1589 of (\$435,411).

**Table 4.3 – IESO NOD Impact Summary**

	A	B	C	L	M	N	O	P
	Charge Type	Equation	Charge Type Name	Invoiced Amount	Adjusted Amounts	Adjustment	UsOA	DVA Account
1	Number			A	B	B - A		
3	101	HOURLY	NET ENERGY MARKET SETTLEMENT FOR NON-DISPATCHABLE LOAD	\$ 178,879.32	\$ 143,088.67	\$ (35,790.65)	4705	1588
4	102		TR CLEARING ACCOUNT CREDIT	\$ (130,668.75)	\$ (104,524.20)	\$ 26,144.55	4708	1580
5	142		REGULATED PRICE PLAN SETTLEMENT AMOUNT	\$ (292,554.75)	\$ (292,554.75)	\$ -		
6	148	Pro Rata	CLASS B GLOBAL ADJUSTMENT SETTLEMENT AMOUNT	\$ 2,170,154.29	\$ 1,735,944.03	\$ (434,210.26)	4707	1589
7	150	HOURLY	NET ENERGY MARKET SETTLEMENT UPLIFT	\$ 4,557.14	\$ 3,645.34	\$ (911.80)	4708	1580
8	155	HOURLY	CONGESTION MANAGEMENT SETTLEMENT UPLIFT	\$ 7,270.07	\$ 5,815.45	\$ (1,454.62)	4708	1580
9	169	Pro Rata	STATION SERVICE REIMBURSEMENT DEBIT	\$ 212.32	\$ 169.84	\$ (42.48)	4708	1580
10	183	Pro Rata	GENERATION COST GUARANTEE RECOVERY DEBIT	\$ 2,625.81	\$ 2,100.43	\$ (525.38)	4708	1580
11	186	Pro Rata	INTERTIE FAILURE CHARGE REBATE	\$ (83.58)	\$ (66.86)	\$ 16.72	4708	1580
12	250	HOURLY	10-MINUTE SPINNING MARKET RESERVE HOURLY UPLIFT	\$ 1,153.93	\$ 923.05	\$ (230.88)	4708	1580
13	252	HOURLY	10-MINUTE NON-SPINNING MARKET RESERVE HOURLY UPLIFT	\$ 1,003.25	\$ 802.52	\$ (200.73)	4708	1580
14	254	HOURLY	30-MINUTE OPERATING RESERVE MARKET HOURLY UPLIFT	\$ 311.49	\$ 249.17	\$ (62.32)	4708	1580
15	450	Pro Rata	BLACK START CAPABILITY SETTLEMENT DEBIT	\$ 166.54	\$ 133.22	\$ (33.32)	4708	1580
16	451	HOURLY	HOURLY REACTIVE SUPPORT AND VOLTAGE CONTROL SETTLEMENT DEBIT	\$ 1,663.41	\$ 1,330.59	\$ (332.82)	4708	1580
17	452	Pro Rata	MONTHLY REACTIVE SUPPORT AND VOLTAGE CONTROL SETTLEMENT DEBIT	\$ 351.86	\$ 281.46	\$ (70.40)	4708	1580
18	454	Pro Rata	REGULATION SERVICE SETTLEMENT DEBIT	\$ 3,833.95	\$ 3,066.84	\$ (767.11)	4708	1580
19	650		NETWORK SERVICE CHARGE (Hydro One Delivery Point)	\$ 128,535.12	\$ 128,535.12	\$ -		
20	651		LINE CONNECTION SERVICE CHARGE (Hydro One Delivery Point)	\$ 31,721.96	\$ 31,721.96	\$ -		
21	753	Rate	RURAL RATE SETTLEMENT CHARGE	\$ 22,871.60	\$ 17,208.30	\$ (5,663.30)	4708	1580
22	754	Rate	OPA ADMINISTRATION CHARGE	\$ 7,723.56	\$ 5,811.11	\$ (1,912.45)	4708	1580
23	1351		CAPACITY BASED RECOVERY AMOUNT FOR CLASS B LOADS	\$ 5,999.26	\$ 4,798.91	\$ (1,200.35)	4707	1589
24	1410		RENEWABLE ENERGY STANDARD OFFER PROGRAM SETTLEMENT AMOUNT	\$ 132,028.92	\$ 132,028.92	\$ -		
25	1412		FEED-IN TARIFF PROGRAM SETTLEMENT AMOUNT	\$ (138,474.28)	\$ (138,474.28)	\$ -		
26	1463		RENEWABLE GENERATION CONNECTION - MONTHLY COMPENSATION AMOUNT SETTLEMENT D	\$ 102.21	\$ 81.76	\$ (20.45)	4708	1580
27	1550	DAILY	DAY-AHEAD PRODUCTION COST GUARANTEE RECOVERY DEBIT	\$ 59.48	\$ 47.58	\$ (11.90)	4708	1580
28	1650		FORECASTING SERVICEBALANCING AMOUNT	\$ 81.35	\$ 65.07	\$ (16.28)	4708	1580
29	9980		SMART METERING CHARGE	\$ 6,700.36	\$ 6,700.36	\$ -	4708	1580
30	9990	Rate	IESO ADMINISTRATION CHARGE	\$ 15,398.34	\$ 12,317.40	\$ (3,080.94)	4708	1580
31	9992		ONTARIO CLEAN ENERGY BENEFIT (-10%) PROGRAM SETTLEMENT AMOUNT	\$ (145,106.94)	\$ (145,106.94)	\$ -		
32				\$ 2,016,517.24	\$ 1,556,140.07	\$ (460,377.17)		
33								
34	900		GST/HST CREDIT	\$ (85,806.28)	\$ (69,630.61)		Totals by UsOA	
35	950		GST/HST DEBIT	\$ 366,817.35	\$ 290,792.72	\$ (35,790.65)	4705	1588
36				\$ 2,297,528.31	\$ 1,777,302.18	\$ (435,410.61)	4707	1589
37						\$ 10,824.09	4708	1580
38						\$ (460,377.17)		
39	AMOUNTS THAT WILL NOT CHANGE WITH AQEW							
40	GST CALCULATION - Add all charges, excluding 900, 950, and 9992, and multiply by 0.13							



1 The Interest Adjustments for 2015 are calculated at 1.10% / 12 x the  
2 principal adjustments (i.e. for the one month, December, due to the  
3 change in principal balance at the end of November).  
4 Table 4.3 is also referenced in regard to Accounts 1588 and 1589 detailed  
5 below in this Section.

6 **1580 Retail Settlement Variance Account - Wholesale Market Service**  
7 **Charges (sub-account CBR – Class B)**

8 For 2017, NOTL Hydro is requesting disposition of:  
9 • a closing principal balance at December 31, 2016 of \$56,692,  
10 • plus a closing interest balance at December 31, 2016 of \$186,  
11 • plus the forecasted interest of \$624 for 2016  
12 • plus the forecasted interest of \$208 for January 1, 2017 through  
13 April 30, 2017.

14 There are no Principal or Interest Adjustments during 2016 instructed by  
15 the Board. The claim is a balance of \$57,710.

16 **1584 Retail Settlement Variance Account - Retail Transmission Network**  
17 **Charges**

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

22 For 2017, NOTL Hydro is requesting disposition of:  
23 • a closing principal balance at December 31, 2016 of (\$4,307)  
24 adjusted for dispositions during 2016, plus  
25 • a closing interest balance of \$303 adjusted for dispositions during  
26 2016, plus  
27 • the forecasted interest of (\$47) for 2016, plus

- the forecasted interest of (\$16) for January 1, 2017 through April 30, 2017.

The claim is a balance of (\$4,068).

#### **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 2017, NOTL Hydro is requesting disposition of:

- a closing principal balance at December 31, 2016 of \$4,645 adjusted for dispositions during 2016, plus
- a closing interest balance of \$6 adjusted for dispositions during 2016, plus
- the forecasted interest of \$51 for 2016 plus
- the forecasted interest of \$17 for January 1, 2017 through April 30, 2017.

The claim is a balance of \$4,719.

#### **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 2017, NOTL Hydro is requesting disposition of:

- a closing principal balance at December 31, 2016 of \$24,408 adjusted for dispositions during 2016, plus

- a closing interest balance of \$4,238 adjusted for dispositions during 2016, plus
- the forecasted interest of \$268 for 2016, plus
- the forecasted interest of \$89 for January 1, 2017 through April 30, 2017.

The claim is a balance of \$29,004.

This claim includes:

- A Principal Adjustment during 2015 of (\$35,791)
- An Interest Adjustment during 2015 of (\$33)

Please refer to the Section for Account 1580 and Table 4.3 above for further details on the basis of these adjustments.

#### **1589 Retail Settlement Variance Account - Global Adjustment**

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

For 2017, NOTL Hydro is requesting disposition of:

- a closing principal balance at December 31, 2016 of \$12,493 adjusted for dispositions during 2016, plus
- a closing interest balance of (\$6,604) adjusted for dispositions during 2016, plus
- the forecasted interest of \$142 for 2016, plus
- the forecasted interest of \$47 for January 1, 2017 through April 30, 2017.

The claim is a balance of \$6,529.

This claim includes:

- A Principal Adjustment during 2015 of (\$435,411)

- An Interest Adjustment during 2015 of (\$399)

Please refer to the Section for Account 1580 and Table 4.3 above for further details on the basis of these adjustments.

#### **1595 Disposition and Recovery of Regulatory Balances**

This account includes the regulatory asset or liability balances authorized by the Board 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 Board-approved recovery.

#### **2009 EB-2008-0237**

On March 17, 2016, the Board issued a Decision and Order in NOTL Hydro's 2015 IRM, EB-2015-0091, which approved the disposition of a claim of (\$15) principal and zero interest in account 1595, sub-account 2009, for a total of (\$15).

This disposition was expected to be final. However, customer billing transactions totaling \$30 posted to this account occurred in 2015, well after the end of the initial recovery period, due to back billing corrections involving the period when the 1595-2009 rate rider had still been in effect. Of this \$30, \$15 was posted to principal to bring the audited principal balance to zero, and the remaining \$15 was posted to interest.

As a result, NOTL Hydro is requesting disposition of:

- the closing principal balance of \$15 as of December 31, 2016, which is equal to the \$15 adjustment for dispositions during 2016 as explained above , plus
- the closing interest balance of \$15, there being zero adjustment for dispositions during 2016.

1 The total claim therefore is \$30, equivalent in amount to the back billing  
2 corrections.

3 **2010 EB-2009-0237**

4 On March 17, 2016, the Board issued a Decision and Order in NOTL  
5 Hydro's 2015 IRM, EB-2015-0091, which approved the disposition of a  
6 claim of \$158 principal and \$3 interest in account 1595, sub-account  
7 2010, for a total of \$161.

8 This disposition was expected to be final. However, customer billing  
9 transactions totaling (\$7) posted to this account occurred in 2015, well  
10 after the end of the initial recovery period, due to back billing  
11 corrections involving the period when the 1595-2010 rate rider had still  
12 been in effect. A \$7 debit journal entry was done to move these (\$7)  
13 postings to account 1595, sub-account 2013 interest. Similarly, a  
14 credit journal entry of (\$158) was done to move the December 31,  
15 2014 principal year-end balance of \$158 to account 1595, sub-account  
16 2013 interest. Thus, the net movement to 1595-2013 interest was a  
17 debit of \$151.

18 At the time, the purpose of these entries was to clean up the 2015  
19 year-end balance to zero for account 1595-2010, which was then  
20 reported in RRR. It is apparent now that these entries were not  
21 needed. However, the result is that NOTL Hydro is requesting  
22 disposition in 1595-2010 of:

- 23 • a closing principal balance of (\$158) as of December 31, 2016
- 24 as a result of the adjustment for dispositions during 2016 , plus
- 25 • a closing interest balance of (\$2) as a result of the dispositions
- 26 during 2016, plus
- 27 • the forecasted interest of (\$2) for 2016, plus

- the forecasted interest of (\$1) for January 1, 2017 through April 30, 2017.

The claim is a balance of (\$163).

Even though the unnecessary entries referred to above were done, the effect on the claims for 1595-2010 is offset by an equal and opposite effect on the claims calculation for 1595-2013 for a combined impact of zero. Hence, the continuity schedule for these is presented in accordance with the audited balances.

#### **2011 EB-2010-0101**

On March 17, 2016, the Board issued a Decision and Order in NOTL Hydro's 2015 IRM, EB-2015-0091, which approved the disposition of a claim of (\$414) principal and \$94 interest in account 1595, sub-account 2011, for a total of (\$321).

This disposition was expected to be final. However, customer billing transactions totaling (\$478) posted to this account occurred in 2015, after the end of the initial recovery period, due to back billing corrections involving the period when the 1595-2011 rate rider had still been in effect. A credit entry of (\$892) was done to move these postings and any remaining principal balance to account 1595, sub-account 2011 interest. At the time, the purpose of these entries was to clean up the 2015 year-end principal balance to zero for account 1595-2011, which was then reported in RRR. It is apparent now that these entries were not needed. However, the result is that NOTL Hydro is requesting disposition in 1595-2011 of:

- a closing principal balance of \$414 as of December 31, 2016 as a result of the adjustment for dispositions during 2016 , plus

- a closing interest balance of (\$886) including the postings from principal explained above, and adjusted for dispositions during 2016, plus
- the forecasted interest of \$5 for 2016, plus
- the forecasted interest of \$1 for January 1, 2017 through April 30, 2017.

The claim is a balance of (\$465).

#### **2012 EB-2011-0186**

On March 17, 2016, the Board issued a Decision and Order in NOTL Hydro's 2015 IRM, EB-2015-0091, which approved the disposition of a claim of \$136 principal and (\$13,927) interest in account 1595, sub-account 2012, for a total of (\$13,791).

This disposition was expected to be final. However, customer billing transactions totaling \$75 posted to this account occurred in 2015, after the end of the initial recovery period, due to back billing corrections involving the period when the 1595-2012 rate rider<sup>17</sup> had still been in effect. These billings were posted to account 1595, sub-account 2011 interest. A journal entry was also done to move any remaining principal balance to account 1595, sub-account 2011 interest. At the time, the purpose of these entries was to ensure a 2015 year-end principal balance of zero for account 1595-2011, which was as audited and reported in RRR. It is apparent now that these entries were not needed.

As a result, NOTL Hydro is requesting disposition of:

- the closing principal balance of (\$138) as of December 31, 2016 as a result of the adjustment for dispositions during 2016 , plus

---

<sup>17</sup> This rider relates to disposition of accounts 1521, 1562 and 1572. See pages 27-30 of the Manager's summary in EB-2015-0091

- the closing interest balance of \$193 including the \$75 billings referred to above, the movement of principal to interest referred to above, the interest accrued in 2015 and the adjustments for dispositions during 2016, plus
- the forecasted interest of (\$2) for 2016, plus
- the forecasted interest of (\$1) for January 1, 2017 through April 30, 2017.

The total claim is \$53.

#### **2013 EB-2015-0091**

On March 17, 2016, the Board issued a Decision and Order in NOTL Hydro's 2015 IRM, EB-2015-0091, which approved the disposition of a claim of \$25,182 principal and \$4,077 interest in account 1595, sub-account 2013, for a total of \$29,259.

In 2015, billing corrections had been made which involved periods when the original 1595-2013 rate riders had still been in effect. These corrections were a total amount of \$18. The resulting audited principal balance at December 31, 2015 was \$25,200. The audited interest balance at December 31, 2015 of \$4,136 includes the journal entry debit transfer of \$151 from 1595-2010 referred to above.

For 2017, NOTL Hydro is requesting disposition of:

- a closing principal balance of \$18 as of December 31, 2015 adjusted for dispositions during 2016, plus
- a closing interest balance of \$59 as of December 31, 2015 adjusted for dispositions during 2016, plus
- Zero interest through April 30, 2017.

The total claim is \$77.



**2014 EB-2013-0155:**

On April 3, 2014, the Board issued a Decision and Order in NOTL Hydro's cost of service case for 2014 rates, EB-2013-0155, which accepted the Settlement Proposal in its entirety. The Settlement Proposal included disposition of the December 31, 2012 Group 1 deferral and variance account balances as submitted in the 2014 application over a period of one year, i.e. the rate riders expired on April 30, 2015.

In 2015, \$386,398 was recovered in billings, of which 334,283 was posted to principal and \$52,115 was posted to interest, with the intent of bringing the principal balance to zero, as it did as of June 30, 2015. However, further small recoveries occurred in billings after this date so that the final audited principal balance at December 31, 2015 was \$93, not zero as had been initially intended.

For 2017, NOTL Hydro is requesting disposition of:

- the closing audited principal balance as of December 31, 2016 of \$93 as explained above, (there is no required adjustment for disposition during 2016), plus
- a closing audited interest balance as of December 31, 2016 of \$44,575, including the posting of recoveries explained above (there is no required adjustment for disposition during 2016), plus
- the forecasted interest through April 30, 2016 of \$1.

The claim is a balance of \$44,669.

**2015 EB-2014-0097:**

On March 19, 2015, the Board issued a Decision and Order for NOTL's 2015 IRM, EB-2014-0097, which approved a total Group 1 balance of

1 (\$503,742) for recovery over a one year period ending April 30, 2016.

2 This amount was moved to account 1595, sub-account 2015 for  
3 recovery purposes.

4 Although the rate recovery period has expired, the balance of 1595-  
5 2015 has not been audited. This audit will take place as part of the  
6 annual audit at 2016 year-end. As a result, the balance in 1595-2015  
7 will not be requested to be disposed of in this Application.

#### 8 **1568 LRAM Variance Account**

9 On April 3, 2014, the Board issued a Decision and Order in case EB-2013-  
10 0155 which accepted the Settlement Proposal in its entirety. The  
11 Settlement Proposal included a one year recovery of an LRAM amount  
12 representing savings in 2011 and 2012 from 2011 CDM programs.

13 “Section 3 LRAM VARIANCE ACCOUNT (LRAMVA)” of the current 2017  
14 IRM application details the total current claim of \$62,033 based on:

- 15 1. Updating the lost revenue from 2011 CDM programs in 2011 and 2012  
16 using the recent OEB LRAM model;  
17 and, using the recent OEB LRAM model:
- 18 2. Lost revenue from 2011 programs in years 2013 to 2015;
- 19 3. Lost revenue from 2012 programs in years 2012 to 2015;
- 20 4. Lost revenue from 2013 programs in years 2013 to 2015;
- 21 5. Lost revenue from 2014 programs in years 2014 to 2015;
- 22 6. Lost revenue from 2015 programs in year 2015.

23 Further to Section 3.2.6.1 of Chapter 3 of the Filing Guidelines:

- 24 • NOTL states that it has used the most recent input assumptions  
25 available at the time of the program evaluation when calculating the  
26 lost revenue amount;
- 27 • NOTL states that it has relied on the most recent and appropriate final  
28 CDM reports from the IESO in support of its lost revenue calculation,

and has included a copy of these reports with the additional files submitted via RESS to the OEB;

- NOTL only has IESO programs and does not have any OEB-approved programs requiring third party reports.

### Summary of Total Group 1 Claim

Table 4.4 below summarizes the total Group 1 and 1568 claim of (\$263,319) based on the details above and as reflected in Sheet 3, Column BT of the 2017 IRM model.

**Table 4.4 Summary of Group 1 Claim**

	A	B	C	D	E	F	A+B-C-D+E+F
Account	Principal at Dec 31-15	Interest at Dec 31-15	Principal Disposition in 2016	Interest Disposition in 2016	Projected Interest in 2016	Projected Interest Jan 1-17 to Apr 30-17	Total Claim
1551	(\$5,706)	(\$45)	(\$3,118)	(\$81)	(\$28)	(\$9)	(\$2,590)
1580 exc CBDR	(\$539,882)	(\$3,913)	(\$87,893)	(\$1,673)	(\$4,972)	(\$1,657)	(\$460,858)
1580 CBDR	\$56,692	\$186	\$0	\$0	\$624	\$208	\$57,710
1584	\$66,875	\$2,215	\$71,183	\$1,912	(\$47)	(\$16)	(\$4,068)
1586	\$19,762	\$373	\$15,116	\$368	\$51	\$17	\$4,719
1588	(\$643,674)	(\$16,506)	(\$668,081)	(\$20,744)	\$268	\$89	\$29,004
1589	\$1,033,086	\$15,288	\$1,020,143	\$21,892	\$142	\$47	\$6,529
1595-2009	(\$0)	\$15	(\$15)	(\$0)	\$0	\$0	\$30
1595-2010	\$0	\$0	\$158	\$2	(\$2)	(\$1)	(\$163)
1595-2011	\$0	(\$792)	(\$414)	\$94	\$5	\$2	(\$465)
1595-2012	(\$1)	(\$13,735)	\$137	(\$13,928)	(\$2)	(\$1)	\$53
1595-2013	\$25,200	\$4,136	\$25,182	\$4,077	\$0	\$0	\$77
1595-2014	\$93	\$44,575	\$0	\$0	\$1	\$0	\$44,670
Total Group 1	\$12,446	\$31,798	\$372,397	(\$8,081)	(\$3,959)	(\$1,320)	(\$325,352)
1568	\$59,441	\$1,720	\$0	\$0	\$654	\$218	\$62,033
<b>Total Claim</b>	<b>\$71,887</b>	<b>\$33,518</b>	<b>\$372,397</b>	<b>(\$8,081)</b>	<b>(\$3,306)</b>	<b>(\$1,102)</b>	<b>(\$263,319)</b>

### DETERMINANTS

The determinants in Sheet 4 of the 2017 IRM model for calculating rate riders were auto-populated by the OEB staff from the most recent RRR. NOTL Hydro confirms the accuracy of the auto-populated data.

With regard to columns G and H of Sheet 4, NOTL Hydro has no Wholesale Market Participants.

1 The 1595 recovery share proportions for the years 2009-2014 in columns K-P are  
2 equal to the share proportions for these years as approved in the 2016 IRM  
3 model, Sheet 4, columns U-V

4 The numbers of residential and GS<50kW customers for use in allocating  
5 account 1551 were auto-populated by OEB staff from the RRR.2.1.2 of February  
6 2016 for customers as of December 31, 2015. NOTL Hydro confirms the  
7 accuracy of the auto-populated data.

### 9 **THRESHOLD TEST**

10 The Threshold Test referred to in Section 3.2.5, Page 10 of the Filing Guidelines,  
11 is met based on the following calculations and therefore the balance should be  
12 disposed:

13 7. Total Claim for Threshold Test =(\$325,352)

14 8. Total metered kWh = 197,043,769

15 9. Threshold test (total claim per kWh) = (\$325,352) / 197,043,769 =  
16 (\$0.0017), which exceeds the threshold of a minimum of \$0.001 per  
17 kWh in magnitude.

### 19 **PROPOSED GROUP 1 RATE RIDERS**

20 The proposed rate riders for disposition of the Group 1 and 1568 accounts claims  
21 are as shown below in Table 4.5, reflecting Sheets 6 and 7 of the 2017 IRM  
22 model, with a proposed recovery period of one year:

**Table 4.5: Proposed Group 1 and 1568 Rate Riders**

Rate Class	Unit	Deferral/Variance	Global Adjustment Rate	
		Account Rate Rider	Rider	1568 Rate Rider
RESIDENTIAL	kWh	(0.0018)	0.0001	0.0000
GENERAL SERVICE LESS THAN 50 KW	kWh	(0.0018)	0.0001	0.0012
GENERAL SERVICE 50 TO 4,999 KW	kW	(0.6028)		0.0531
GENERAL SERVICE 50 TO 4,999 KW	kWh		0.0001	
UNMETERED SCATTERED LOAD	kWh	(0.0018)	0.0000	(0.0002)
STREET LIGHTING	kW	(0.5087)		(1.0459)
STREET LIGHTING	kWh		0.0001	

## OTHER MATTERS

### Reconciliation RRR vs. Financial Statements

This Section provides the reconciliation between the balances of Group 1 Accounts in Sheet 3 of the 2017 IRM model, the 2.1.7 / 2.1.13 RRR Filings and the Financial Statements.

#### Reconciliation - 2.1.7 / 2.1.13 RRR Filings vs Financial Statements

“Note 10 – Regulatory balances” on Page 20 of the 2015 audited financial statements reported the following regulatory deferral account debit balance totaling \$1,935,759 as of December 31, 2015, on an IFRS basis:

<b>NIAGARA-ON-THE-LAKE HYDRO INC.</b>						
Notes to Financial Statements						
Year ended December 31, 2015						
<b>10. Regulatory balances</b>						
Reconciliation of the carrying amount for each class of regulatory balances						
Regulatory deferral account debit balances	January 1, 2015	Additions	Recovery/ reversal	December 31, 2015	Remaining recovery/ reversal years	
Group 1 deferred accounts	\$ 678,830	\$ 529,852	\$ 476,679	\$ 1,685,361	1	
Other regulatory accounts	207,596	(282,972)	325,774	250,398	1-2	
Income tax	410,154	-	(410,154)	-	-	
	\$ 1,296,580	\$ 246,880	\$ 392,299	\$ 1,935,759		

- 1 NOTL's RRR 2.1.13 Reconciliation filing showed the trial balance submitted  
2 under RRR 2.1.7 mapped and reconciled to the audited financial statements,  
3 specifically showing the variance account amounts contained within the  
4 regulatory deferral account debit balance of \$1,935,759<sup>18</sup>:

BALANCE SHEET - 2015 CGAAP Data										IFRS Restatement	
Account	Financial Statement Section	- Balance Sheet Line Grouping	Account Description	Account Amount	CGAAP Amount					Restatement Amount	Audited F/S
<b>Assets</b>										(See "IFRS Restatement" Sheet)	
1508	Regulatory balances	Regulatory balances	Other Regulatory Assets	\$ 2,533,197							
1518	Regulatory balances	Regulatory balances	RCVARetail	\$ 3,528							
1532	Regulatory balances	Regulatory balances	Renewable Connection O&M&A Deferral Account	\$ 64							
1533	Regulatory balances	Regulatory balances	Renewable Generation Connection Funding Adder Deferral Account	\$ 129							
1549	Regulatory balances	Regulatory balances	RCVASTR	\$ 51,493							
1551	Regulatory balances	Regulatory balances	Smart Metering Entity Charge Variance Account	\$ (5,751)							
1555	Regulatory balances	Regulatory balances	Smart Meter Capital and Recovery Offset Variance Account	\$ (1,760)							
1568	Regulatory balances	Regulatory balances	LRAM Variance Account	\$ 33,474							
1576	Regulatory balances	Regulatory balances	CGAAP Accounting changes	\$ (872,743)							
1580	Regulatory balances	Regulatory balances	RSVA - Wholesale Market Service Charge	\$ (457,750)							
1582	Regulatory balances	Regulatory balances	RSVAONE-TIME	\$ 62							
1584	Regulatory balances	Regulatory balances	RSVA - Retail Transmission Network Charge	\$ 69,091							
1586	Regulatory balances	Regulatory balances	RSVA - Retail Transmission Connection Charge	\$ 20,135							
1588	Regulatory balances	Regulatory balances	RSVA - Power (excluding Global Adjustment)	\$ (624,356)							
1589	Regulatory balances	Regulatory balances	RSVA - Global Adjustment	\$ 1,464,104							
1592	Regulatory balances	Regulatory balances	2006 PILs & Taxes Variance	\$ (2,501)							
1596	Regulatory balances	Regulatory balances	Disposition and Recovery/Refund of Regulatory Balances Control Account	\$ (110,746)							
2320	Regulatory balances	Regulatory balances	Other Miscellaneous Non-Current Liabilities	\$ (756,130)	\$ 1,403,601				\$ 452,158	\$ 1,935,759	
<b>Regulatory balances</b>					\$ 1,483,601				\$ 452,158	\$ 1,935,759	

- 5  
6 The details of the IFRS restatement amount of \$452,158 were provided in the  
7 IFRS Restatement Excel file submitted with the RRR 2.1.13<sup>19</sup>:

NOTL_RRR 2015 Data_2 1 13_FINAL_2.xlsx										
	A	B	C	E	J	K	U	V	W	X
3	IFRS RESTATEMENT									
	December 31, 2015	CGAAP Amount	1. Move capital assets included in regulatory to PPE	6. Move regulatory component of deferred PILs asset to regulatory assets	7. Split regulated settlement variances between debits and credits and move debits to assets		IFRS Audited Financial Statements		Total re-statements	
4										
17	Non-current assets									
18	Property, plant and equipment	23,482,645	2,510,330				27,243,307		3,810,663	
19	Deferred tax assets	323,088					694,080		370,991	
20	Special deposits	245,827					-		(245,827)	
21	Investment	100					100		-	
22	Total non-current assets	24,001,660	2,510,330	-	-		27,937,487		3,935,827	
23										
24	Total assets	30,844,092	2,510,330	-	-		35,025,746		4,181,655	
25										
26	Regulatory balances	1,483,601	(2,510,330)	378,268	2,584,220		1,935,759		452,158	
27	Assets and liabilities	32,327,693					35,025,746		4,698,053	

18 See "Balance Sheet CGAAP Data" sheet of 2.1.13 Excel file

19 See "IFRS Restatement" sheet of 2.1.13 Excel file

## Reconciliation - Group 1 Accounts in Sheet 3 IRM model vs 2.1.7 / 2.1.13 RRR

### Filings

The following Table 4.6 provides the reconciliation between the amounts in Sheet 3 of the IRM model vs the 2.1.7 / 2.1.13 RRR Filings:

**Table 4.6: Reconciliation IRM vs RRR**

Reconciliation IRM vs RRR								
Account	IRM Model Sheet 3 Row #	Principal @ Dec 31, 15 excluding adjustments during 2015	Interest @ Dec 31, 15 excluding adjustments during 2015	Total @ Dec 31, 15 excluding adjustments during 2015	Total per RRR 2.1.7 @ Dec 31, 15	Principal Adjustment during 2015 IESO NOD and LRAM	Interest Adjustment during 2015 IESO NOD and LRAM	Total per IRM @ Dec 31, 15
		Sheet 3 BC + BD - BE	Sheet 3 BH + BI - BJ		Sheet 3 BU	Sheet 3 BF	Sheet 3 BK	Sheet 3 BG + BL
		X	Y	Z = X + Y	W	P	Q	Z + P + Q
1550	21	\$0	\$0	\$0	\$0			\$0
1551	22	(\$5,706)	(\$45)	(\$5,751)	(\$5,751)			(\$5,751)
1580 exc CBDR	23	(\$550,706)	(\$3,923)	(\$554,629)	(\$554,628)	\$10,824	\$10	(\$543,795)
1580 CBDR	25	\$56,692	\$186	\$56,878	\$56,878			\$56,878
1584	26	\$66,875	\$2,215	\$69,091	\$69,091			\$69,091
1586	27	\$19,762	\$373	\$20,135	\$20,135			\$20,135
1588	28	(\$607,883)	(\$16,473)	(\$624,356)	(\$624,356)	(\$35,791)	(\$33)	(\$660,179)
1589	29	\$1,468,497	\$15,687	\$1,484,184	\$1,484,184	(\$435,411)	(\$399)	\$1,048,374
1595 (2009)	30	(\$0)	\$15	\$15	\$15			\$15
1595 (2010)	31	\$0	\$0	\$0	\$0			\$0
1595 (2011)	32	\$0	(\$792)	(\$792)	(\$792)			(\$792)
1595 (2012)	33	(\$1)	(\$13,735)	(\$13,736)	(\$13,736)			(\$13,736)
1595 (2013)	34	\$25,200	\$4,136	\$29,336	\$29,336			\$29,336
1595(2014)	35	\$93	\$44,575	\$44,668	\$44,668			\$44,668
1595(2015)	36	(\$180,350)	\$10,114	(\$170,236)	(\$170,236)			(\$170,236)
1589	38	\$1,468,497	\$15,687	\$1,484,184	\$1,484,184	(\$435,411)	(\$399)	\$1,048,374
Group 1 exc. 1589	39	(\$1,176,024)	\$26,646	(\$1,149,378)	(\$1,149,376)	(\$24,967)	(\$23)	(\$1,174,367)
Total Group 1	40	\$292,473	\$42,333	\$334,806	\$334,808	(\$460,377)	(\$422)	(\$125,993)
LRAM 1568	42	\$33,241	\$233	\$33,474	\$33,474	\$26,200	\$1,487	\$61,161
Grand Totals	44	\$325,714	\$42,566	\$368,280	\$368,282	(\$434,177)	\$1,065	(\$64,832)

This Table above shows the following principal and interest adjustments in 2015:

- Effects of the notice of disagreement with the IESO discussed under Accounts 1580, 1588 and 1589 earlier in this Section 4;
- Adjustment to reflect the LRAM claim discussed under Account 1568 in Section 3 and earlier in this Section 4.

1    **Account Specific Filing Requirements**

2    ○   **RSVA Accounts 1580, 1584, 1586, 1588, 1589**

3       Pursuant to the account specific filing requirements in the EDDVAR report,  
4       NOTL states that it has used the accrual approach for the RSVA Accounts  
5       and that this approach has been used consistently over time and among  
6       RSVA Accounts for the applicable period.

7    ○   **Accounts 1588 and 1589 (RSVA Power and RSVA Global Adjustment)**

8       NOTL confirms that the variance between Board-approved and actual line  
9       losses is reflected in Accounts 1588 and 1589 on NOTL's books for the  
10      applicable period.



## **5. DISTRIBUTION RATES**

### **Calculation of rates**

The requested Service Charges and Distribution Volumetric Rates are calculated by completing the OEB 2017 IRM rate generator model.

### **Rate Design Transition – Adjustment for Residential Customers**

On April 2, 2015, the OEB released its policy on a new electricity distribution rate design. For residential electricity customers only, distribution delivery costs will be recovered through a monthly, fixed service charge. The policy set out that the transition to a fully fixed rate would occur over four years. The first year was in the 2016 rates. This 2017 rate application reflects the 2<sup>nd</sup> year of the transition. +

Currently, NOTL Hydro's fixed/variable distribution revenue split for residential customers is 73.2%/26.8%. With a 4-year transition period, the fixed portion increases by 8.9% each year. The resulting adjusted rate split for 2017 is 82.1%/17.9%. The incremental fixed charge for 2017 is \$2.58 and the adjusted current residential rates are \$23.64 fixed and \$0.0065 variable.

Further to Section 3.2.3 of the Chapter 3 Filing Requirements, the incremental fixed charge of \$2.52 is less than \$4 and so no extension of the transition period is required.

### **IRM Model Parameters**

The driver parameters determining the requested 2017 distribution rates are determined in the OEB model in Sheet 16:

Price Escalator	2.10%
Productivity Factor	0.00%
Stretch Factor for NOTL (Stretch Factor Group III)	<u>0.30%</u>
Price Cap Index = 1.30% - 0.00% - 0.30%	<u>1.80%</u>

This Price Cap Index is multiplied by the adjusted current rate for residential customers (as described above) and by the current rates for all other classes to determine the 2017 requested rates.

As stated in Section 1 - Introduction, NOTL does not have any required revenue to cost ratio adjustments.

## Proposed Rates

The following Table 5.1 presents the proposed fixed and variable rates as calculated in Sheet 16 of the OEB model:

Table 5.1 – Proposed Rates

Rate Class	Current MFC	MFC Adjustment from R/C Model	Current Volumetric Charge	DVR Adjustment from R/C Model	Price Cap Index to be Applied to MFC and DVR	Proposed MFC	Proposed Volumetric Charge
RESIDENTIAL SERVICE CLASSIFICATION	21.06		0.0098		1.80%	24.07	0.0066
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	38.44		0.0115		1.80%	39.13	0.0117
GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION	274.74		2.1681		1.80%	279.69	2.2071
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	20.68		0.0062		1.80%	21.05	0.0063
STREET LIGHTING SERVICE CLASSIFICATION	7.66		29.9406		1.80%	7.80	30.4795
microFIT SERVICE CLASSIFICATION	5.4					5.4	

The Rate Generator model is also being submitted separately in Excel and pdf formats.

1    **6. PROPOSED RATES TARIFF**

- 2    The proposed Tariff is being submitted separately in Excel and pdf formats.

## **7. BILL IMPACTS**

### **Residential 10<sup>th</sup> Consumption Percentile**

Further to Section 3.2.3, Page 9, of the Filing Guidelines, NOTL Hydro has determined that 10% of its residential customers on time of use billing ("TOU") were billed at or less than 278 kWh per month on average during 2015. The method used to derive this 10<sup>th</sup> consumption percentile was as follows:

10.A "COGNOS" data base extract was downloaded from NOTL Hydro's Northstar billing system data base, containing all residential billed dates from January 1, 2015 to December 31, 2015 for the 3-tier TOU rates.

11.This extract contained the actual kWh billed at each of the OFF/MID/ON rates for each residential customer for each bill, and the associated numbers of days billed.

12.The average billed kWh per month was calculated for each customer<sup>20</sup>.

13.The data was sorted by customer average billed kWh per month, lowest to highest amounts.

14.Customers with an average of 50 kWh per month or less were removed, leaving 8,160 residential customers billed at TOU rates in 2015 with a total billed of 65,618,450 kWh.

15.10% of these customers (10<sup>th</sup> percentile) were billed 278 kWh per month or less.

16.The average billed amount was 837 kWh per month.

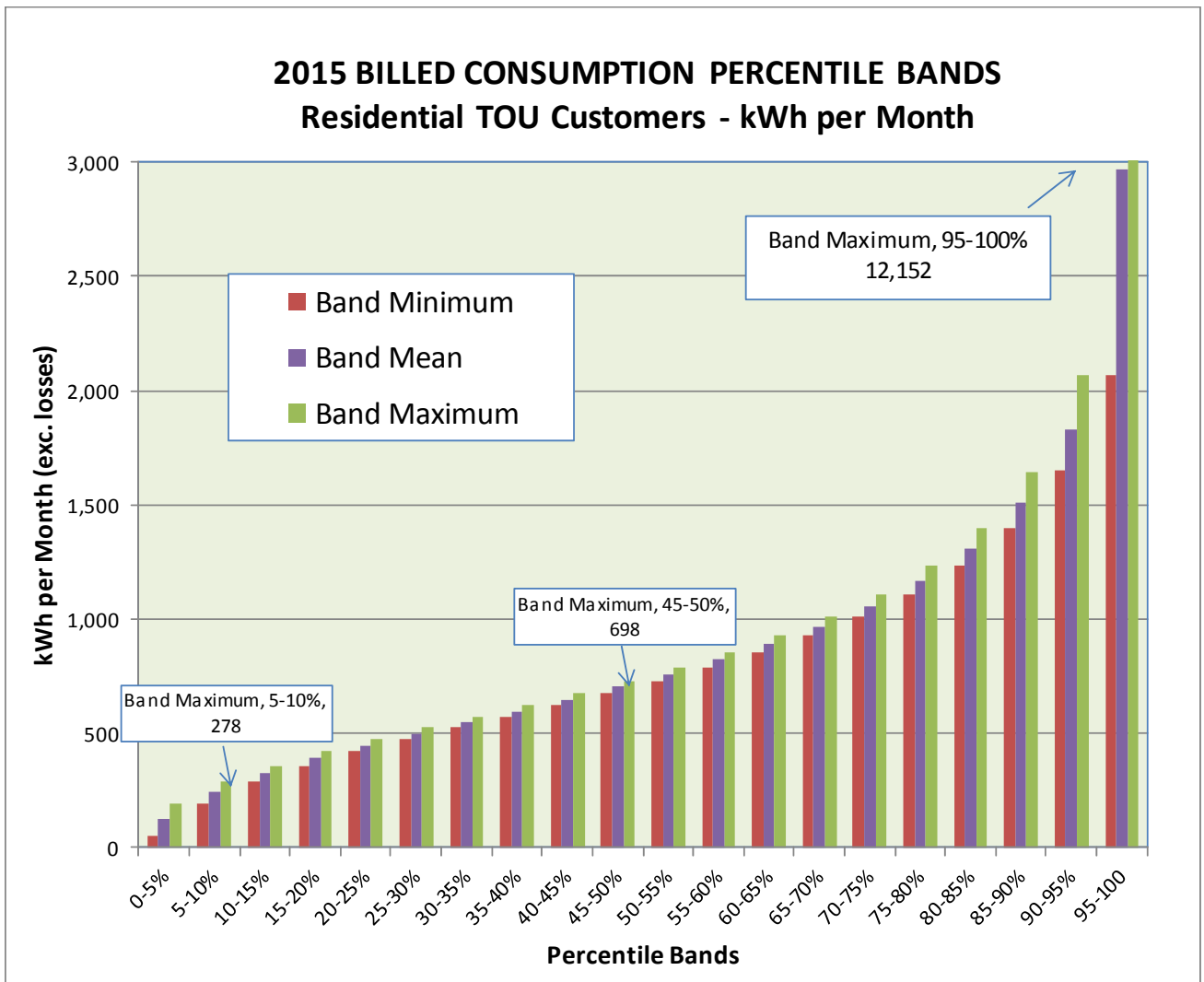
17.The median (50<sup>th</sup> percentile) billed amount was 698 kWh per month.

The chart below shows the complete date set broken into 5% percentile bands:<sup>21</sup>

---

<sup>20</sup> [Total kWh billed / total number of days billed] x 365 / 12

<sup>21</sup> Please note that the y-axis is cut off at 3,000 kWh to accommodate legibility for the majority of the data. The maximum billed consumption was verified to be 12,152 kWh per month for one residential TOU customer.



### Representative Usages for Bill Impacts

Details of the bill impacts for each class for 6 typical representative usages are provided on the following pages, as generated by the 2016 IRM model.

For residential customers, the 2 representative usages are:

- The 10<sup>th</sup> percentile of 278 kWh per month in 2015 at RPP rates;
- An average of 750 kWh per month per residential customer at RPP rates, as specified by the Board in Cell D12 of Sheet 20 of the 2017 IRM model.

For GS<50kW customers, the representative usage is 2,000 kWh per month as

specified by the Board in Cell D12 of Sheet 20 of the 2017 IRM model.

The representative usages for the other rate classes are:

- 56,000 kWh and 150 kW per month per GS>50 kW customer;
- 10,000 kWh and 40 kW per month for a Street Lighting customer with 300 connections; and
- 900 kWh per month per Unmetered Scattered Load customer.

### Note regarding Rate Riders

In the bill impacts spreadsheets in Sheet 20 for each representative usage, the following protocol has been used for the fixed and variable rate rider rates shown:

- “Fixed Rate Riders” (Residential only) =
  - Rate Rider for Supplemental Disposition of Account 1576
  - Rate Rider for Application of Tax Change
- “Volumetric Rate Riders” =
  - Rate Rider for Recovery of Incremental Capital
  - Rate Rider for Disposition of Account 1576
  - Rate Rider for Supplemental Disposition of Account 1576<sup>22</sup>
  - Rate Rider for Application of Tax Change<sup>23</sup>
  - LRAM Rate Riders

The resulting proposed totaled fixed and variable riders displayed in the impacts tables are as follows:

	A	B	C	D	E	F	G	H	I	J	K	L
1	Rate Class	Unit	Fixed Rate Riders 2017				Volumetric Rate Riders 2017					
2	RPP		Suppl 1576	Tax Change	Total		ICM	Tax Change	1576	Suppl 1576	LRAM	Total
3	RESIDENTIAL	kWh	(\$0.28)	\$0.13	(\$0.15)		\$0.0007	Fixed Charge	(\$0.0010)	Fixed Charge	0.0000	(0.0003)
4	GENERAL SERVICE < 50 KW	kWh	Nil				0.0012	0.0001	(0.0010)	(0.0004)	0.0012	0.0011
5	UNMETERED SCATTERED LOAD	kWh					0.0005	0.0001	(0.0010)	(0.0004)	(0.0002)	(0.0010)
6	STREET LIGHTING	kW					nil	0.4759	(0.3511)	(0.1324)	(1.0459)	(1.0535)
7												
8	Non-RPP											
9	RESIDENTIAL	kWh	(\$0.28)	\$0.13	(\$0.15)		0.0007	Fixed Charge	(\$0.0010)	Fixed Charge	0.0000	(0.0003)
10	GENERAL SERVICE < 50 KW	kWh	Nil				0.0012	0.0001	(0.0010)	(0.0004)	0.0012	0.0011
11	GENERAL SERVICE 50 TO 4,999 KW	kW					0.3483	0.0187	(0.3801)	(0.1433)	0.0531	(0.1033)

<sup>22</sup> Except for the residential class where this rider is a fixed rate.

<sup>23</sup> Except for the residential class where this rider is a fixed rate.

1 **NOTE:** NOTL has noted that the OEB IRM model impact tables for non-RPP  
2 customers omitted to include the “Rate Rider for Disposition of Global Adjustment  
3 (2016) – effective until April 30, 2018” that was approved in the 2016 IRM and  
4 continues into 2017 rates. To resolve this issue, NOTL has manually added this  
5 GA Rate Rider to the “Total DVA Rate Riders”, i.e. in the same row as it is  
6 located in the Current OEB-Approved rates section, as follows:

1202      fx      =-0.6028+2.4888

Customer Class:	GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION		
RPP / Non-RPP:	Non-RPP (Other)		
Consumption	56,000	kWh	
Demand	150	kW	
Current Loss Factor	1.0379		
Proposed/Approved Loss Factor	1.0379		

	Current OEB-Approved			
	Rate (\$)	Volume	Charge (\$)	Rate (\$)
Monthly Service Charge	\$ 274.74	1	\$ 274.74	\$ 279.69
Distribution Volumetric Rate	\$ 2.1681	150	\$ 325.22	\$ 2.2071
Fixed Rate Riders	\$ -	1	\$ -	\$ -
Volumetric Rate Riders	\$ 0.1560	150	\$ (23.40)	\$ 0.1033
<b>Sub-Total A (excluding pass through)</b>			\$ 576.56	
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -
Total Deferral/Variance Account Rate Riders	\$ 1.1067	150	\$ 166.01	\$ 1.8860

7

1418      fx      =-0.0018+0.0063

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	Non-RPP (Retailer)		
Consumption	750	kWh	
Demand	-	kW	
Current Loss Factor	1.0379		
Proposed/Approved Loss Factor	1.0379		

	Current OEB-Approved				Propo
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volum
Monthly Service Charge	\$ 21.06	1	\$ 21.06	\$ 24.87	
Distribution Volumetric Rate	\$ 0.0098	750	\$ 7.35	\$ 0.0066	
Fixed Rate Riders	\$ (0.15)	1	\$ (0.15)	\$ (0.15)	
Volumetric Rate Riders	\$ 0.0003	750	\$ (0.23)	\$ 0.0003	
<b>Sub-Total A (excluding pass through)</b>			\$ 28.01		
Line Losses on Cost of Power	\$ 0.1130	28	\$ 3.21	\$ 0.1130	
Total Deferral/Variance Account Rate Riders	\$ 0.0027	750	\$ 2.03	\$ 0.0045	
Rate Riders				\$ 0.0001	

8

Clipboard		Font	Alignment	Number	Styles	Cells	Editing
1472		fx =-0.0018+0.0063					
C	D	E	F	G	H	I	
455							
456	Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION					
457	RPP / Non-RPP:	Non-RPP (Retailer)					
458	Consumption	2,000	kWh				
459	Demand	-	kW				
460	Current Loss Factor	1.0379					
461	Proposed/Approved Loss Factor	1.0379					
462							
463	Current OEB-Approved						
464		Rate (\$)	Volume	Charge (\$)	Rate (\$)		
465							
466	Monthly Service Charge	\$ 38.44	1	\$ 38.44	\$ 39.13		
467	Distribution Volumetric Rate	\$ 0.0115	2000	\$ 23.00	\$ 0.0117		
468	Fixed Rate Riders	\$ -	1	\$ -	\$ -		
469	Volumetric Rate Riders	\$ 0.0001	2000	\$ (0.20)	\$ 0.0011		
470	Sub-Total A (excluding pass through)			\$ 61.24			
471	Line Losses on Cost of Power	\$ 0.1130	76	\$ 8.57	\$ 0.1130		
472	Total Deferral/Variance Account Rate Riders	\$ 0.0027	2,000	\$ 5.20	\$ 0.0045		
	GA Rate Riders				\$ 0.0001		

1

1526

= 0.6028+2.4888

C

D

E

F

G

H

I

509

510

511

512

513

514

515

516

517

518

519

520

521

522

523

524

525

526

527

528

529

530

531

Customer Class:

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

RPP / Non-RPP:

Non-RPP (Retailer)

Consumption:

56,000 kWh

Demand:

150 kW

Current Loss Factor

1.0379

Proposed/Approved Loss Factor

1.0379

Current OEB-Approved

	Rate (\$)	Volume	Charge (\$)	Rate (\$)	
Monthly Service Charge	\$ 274.74	1	\$ 274.74	\$ 279.69	
Distribution Volumetric Rate	\$ 2.1681	150	\$ 325.22	\$ 2.2071	
Fixed Rate Riders	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.1560	150	\$ (23.40)	\$ 0.1033	
Sub-Total A (excluding pass through)			\$ 67.56		
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate	\$ 1.1067	150	\$ 166.01	\$ 1.3860	
Riders					
GA Rate Riders				\$ 0.0001	
Low Voltage Service Charge	\$ -	150	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 742.56		
RTS		11		\$ 843	

2

3 NOTL also advises the OEB staff reviewing the rate model that if the "UPDATE"  
4 button is pressed in the bill impacts sheet, these manual entries revert to omitting  
5 the continuing rate rider and have to be re-entered.

6

7

8



## Summary

Using Table 2 in Sheet 20 of the 2017 IRM model, the bill impacts for NOTL customer classes are summarized in Table 7.1 below and detailed in the subsequent Tables below Table 7.1.

**Table 7.1 – Summary of Bill Impacts**

	A	B	C	D	E	F	G	H	I	J
1	RATE CLASSES / CATEGORIES (eg: Residential TOU, Residential Retailer)	Units	Sub-Total							
2			A		B		C		Total Bill	
3			\$	%	\$	%	\$	%	\$	%
4										
5	RESIDENTIAL - RPP	kWh	\$ 0.61	2.2%	\$ 1.96	6.7%	\$ 1.96	5.4%	\$ 2.21	1.6%
6	GENERAL SERVICE LESS THAN 50 kW - RPP	kWh	\$ 3.49	5.7%	\$ 7.09	11.2%	\$ 7.09	8.9%	\$ 8.01	2.2%
7	GENERAL SERVICE 50 TO 4,999 KW - Non-RPP (Other)	kW	\$ 18.71	3.2%	\$ 141.20	19.0%	\$ 140.20	11.5%	\$ 158.42	1.6%
8	UNMETERED SCATTERED LOAD - RPP	kWh	\$ 0.28	1.1%	\$ 1.99	7.7%	\$ 1.99	5.9%	\$ 2.25	1.4%
9	STREET LIGHTING - RPP	kW	\$ 24.25	0.7%	\$ 57.54	1.7%	\$ 57.33	1.6%	\$ 64.78	1.2%
10	RESIDENTIAL - RPP - 10th percentile	kWh	\$ 2.12	9.0%	\$ 2.62	10.7%	\$ 2.62	9.7%	\$ 2.96	4.4%
11	RESIDENTIAL - Non-RPP (Retailer)	kWh	\$ 0.61	2.2%	\$ 2.04	6.0%	\$ 2.04	5.0%	\$ 2.30	1.6%
12	GENERAL SERVICE LESS THAN 50 kW - Non-RPP (Retailer)	kWh	\$ 3.49	5.7%	\$ 7.29	9.6%	\$ 7.29	7.9%	\$ 8.24	2.1%
	GENERAL SERVICE 50 TO 4,999 KW - Non-RPP (Retailer)	kW	\$ 18.71	3.2%	\$ 141.20	19.0%	\$ 140.20	11.5%	\$ 158.42	1.6%

The detailed impacts are as follows:

Niagara-on-the-Lake Hydro Inc.

EB-2016-0095

Manager's Summary

Filed: October 5, 2016

Page 72 of 78

Section 7 –Bill Impacts

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION
RPP / Non-RPP:	RPP
Consumption	750 kWh
Demand	- kW
Current Loss Factor	1.0379
Proposed/Approved Loss Factor	1.0379

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 21.06	1	\$ 21.06	\$ 24.07	1	\$ 24.07	\$ 3.01	14.29%
Distribution Volumetric Rate	\$ 0.0098	750	\$ 7.35	\$ 0.0066	750	\$ 4.95	\$ (2.40)	-32.65%
Fixed Rate Riders	\$ (0.15)	1	\$ (0.15)	\$ (0.15)	1	\$ (0.15)	\$ -	0.00%
Volumetric Rate Riders	\$ 0.0003	750	\$ (0.23)	\$ 0.0003	750	\$ (0.23)	\$ -	0.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 28.04			\$ 28.65	\$ 0.61	2.18%
Line Losses on Cost of Power	\$ 0.1114	28	\$ 3.17	\$ 0.1114	28	\$ 3.17	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0036	750	\$ (2.70)	\$ 0.0018	750	\$ (1.35)	\$ 1.35	-50.00%
GA Rate Riders								
Low Voltage Service Charge	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 29.29			\$ 31.25	\$ 1.96	6.69%
RTSR - Network	\$ 0.0072	778	\$ 5.60	\$ 0.0072	778	\$ 5.60	\$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0015	778	\$ 1.17	\$ 0.0015	778	\$ 1.17	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 36.06			\$ 38.02	\$ 1.96	5.43%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	778	\$ 2.80	\$ 0.0036	778	\$ 2.80	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	778	\$ 1.01	\$ 0.0013	778	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)								
Ontario Electricity Support Program (OESP)	\$ 0.0011	778	\$ 0.86	\$ 0.0011	778	\$ 0.86	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	488	\$ 42.41	\$ 0.0870	488	\$ 42.41	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	128	\$ 16.83	\$ 0.1320	128	\$ 16.83	\$ -	0.00%
TOU - On Peak	\$ 0.1800	135	\$ 24.30	\$ 0.1800	135	\$ 24.30	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 124.53			\$ 126.49	\$ 1.96	1.57%
HST		13%	\$ 16.19	13%		\$ 16.44	\$ 0.25	1.57%
<b>Total Bill on TOU</b>			\$ 140.72			\$ 142.93	\$ 2.21	1.57%

1

Customer Class:	GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION
RPP / Non-RPP:	RPP
Consumption	2,000 kWh
Demand	- kW
Current Loss Factor	1.0379
Proposed/Approved Loss Factor	1.0379

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 38.44	1	\$ 38.44	\$ 39.13	1	\$ 39.13	\$ 0.69	1.80%
Distribution Volumetric Rate	\$ 0.0115	2000	\$ 23.00	\$ 0.0117	2000	\$ 23.40	\$ 0.40	1.74%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	0.00%
Volumetric Rate Riders	\$ 0.0001	2000	\$ (0.20)	\$ 0.0011	2000	\$ 2.20	\$ 2.40	-1200.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 61.24			\$ 64.73	\$ 3.49	5.70%
Line Losses on Cost of Power	\$ 0.1114	76	\$ 8.44	\$ 0.1114	76	\$ 8.44	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0036	2,000	\$ (7.20)	\$ 0.0018	2,000	\$ (3.60)	\$ 3.60	-50.00%
GA Rate Riders								
Low Voltage Service Charge	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 63.27			\$ 70.36	\$ 7.09	11.21%
RTSR - Network	\$ 0.0066	2,076	\$ 13.70	\$ 0.0066	2,076	\$ 13.70	\$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0015	2,076	\$ 3.11	\$ 0.0015	2,076	\$ 3.11	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 80.09			\$ 87.18	\$ 7.09	8.85%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,076	\$ 7.47	\$ 0.0036	2,076	\$ 7.47	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2,076	\$ 2.70	\$ 0.0013	2,076	\$ 2.70	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	2,000	\$ 14.00	\$ 0.0070	2,000	\$ 14.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	2,076	\$ 2.28	\$ 0.0011	2,076	\$ 2.28	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	1,300	\$ 113.10	\$ 0.0870	1,300	\$ 113.10	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	340	\$ 44.88	\$ 0.1320	340	\$ 44.88	\$ -	0.00%
TOU - On Peak	\$ 0.1800	360	\$ 64.80	\$ 0.1800	360	\$ 64.80	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 329.57			\$ 336.66	\$ 7.09	2.15%
HST		13%	\$ 42.84	13%		\$ 43.77	\$ 0.92	2.15%
<b>Total Bill on TOU</b>			\$ 372.42			\$ 380.43	\$ 8.01	2.15%

2

Niagara-on-the-Lake Hydro Inc.

EB-2016-0095

Manager's Summary

Filed: October 5, 2016

Page 73 of 78

Section 7 –Bill Impacts

Customer Class:	GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Other)
Consumption	56,000 kWh
Demand	150 kW
Current Loss Factor	1.0379
Proposed/Approved Loss Factor	1.0379

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 274.74	1	\$ 274.74	\$ 279.69	1	\$ 279.69	\$ 4.95	1.80%
Distribution Volumetric Rate	\$ 2.1681	150	\$ 325.22	\$ 2.2071	150	\$ 331.07	\$ 5.85	1.80%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ 0.1560	150	\$ (23.40)	\$ 0.1033	150	\$ (15.50)	\$ 7.90	-33.78%
<b>Sub-Total A (excluding pass through)</b>			\$ 576.56			\$ 595.26	\$ 18.71	3.24%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-
Total Deferral/Variance Account Rate Riders	\$ 1.1067	150	\$ 166.01	\$ 1.8860	150	\$ 282.90	\$ 116.90	70.42%
GA Rate Riders				\$ 0.0001	56,000	\$ 5.60	\$ 5.60	-
Low Voltage Service Charge	\$ -	150	\$ -	\$ -	150	\$ -	\$ -	-
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 742.56			\$ 883.76	\$ 141.20	19.02%
RTSR - Network	\$ 2.6811	150	\$ 402.17	\$ 2.6843	150	\$ 402.65	\$ 0.48	0.12%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.5207	150	\$ 78.11	\$ 0.5108	150	\$ 76.62	\$ (1.49)	-1.90%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 1,222.83			\$ 1,363.03	\$ 140.20	11.46%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	58,122	\$ 209.24	\$ 0.0036	58,122	\$ 209.24	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	58,122	\$ 75.56	\$ 0.0013	58,122	\$ 75.56	\$ -	0.00%
Standard Supply Service Charge								-
Debt Retirement Charge (DRC)	\$ 0.0070	56,000	\$ 392.00	\$ 0.0070	56,000	\$ 392.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	58,122	\$ 63.93	\$ 0.0011	58,122	\$ 63.93	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1130	58,122	\$ 6,567.83	\$ 0.1130	58,122	\$ 6,567.83	\$ -	0.00%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 8,531.40			\$ 8,671.59	\$ 140.20	1.64%
HST	13%		\$ 1,109.08	13%		\$ 1,127.31	\$ 18.23	1.64%
<b>Total Bill on Average IESO Wholesale Market Price</b>			\$ 9,640.48			\$ 9,798.90	\$ 158.42	1.64%

1

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION
RPP / Non-RPP:	RPP
Consumption	900 kWh
Demand	- kW
Current Loss Factor	1.0379
Proposed/Approved Loss Factor	1.0379

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 20.68	1	\$ 20.68	\$ 21.05	1	\$ 21.05	\$ 0.37	1.79%
Distribution Volumetric Rate	\$ 0.0062	900	\$ 5.58	\$ 0.0063	900	\$ 5.67	\$ 0.09	1.61%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ 0.0008	900	\$ (0.72)	\$ 0.0010	900	\$ (0.90)	\$ (0.18)	-25.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 25.54			\$ 25.82	\$ 0.28	1.10%
Line Losses on Cost of Power	\$ 0.1114	34	\$ 3.80	\$ 0.1114	34	\$ 3.80	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0037	900	\$ (3.33)	\$ 0.0018	900	\$ (1.62)	\$ 1.71	-51.35%
GA Rate Riders				\$ -	900	\$ -	\$ -	-
Low Voltage Service Charge	\$ -	900	\$ -	\$ -	900	\$ -	\$ -	-
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 26.01			\$ 28.00	\$ 1.99	7.65%
RTSR - Network	\$ 0.0066	934	\$ 6.17	\$ 0.0066	934	\$ 6.17	\$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0015	934	\$ 1.40	\$ 0.0015	934	\$ 1.40	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 33.58			\$ 35.57	\$ 1.99	5.93%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	934	\$ 3.36	\$ 0.0036	934	\$ 3.36	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	934	\$ 1.21	\$ 0.0013	934	\$ 1.21	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	900	\$ 6.30	\$ 0.0070	900	\$ 6.30	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	934	\$ 1.03	\$ 0.0011	934	\$ 1.03	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	585	\$ 50.90	\$ 0.0870	585	\$ 50.90	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	153	\$ 20.20	\$ 0.1320	153	\$ 20.20	\$ -	0.00%
TOU - On Peak	\$ 0.1800	162	\$ 29.16	\$ 0.1800	162	\$ 29.16	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 145.98			\$ 147.97	\$ 1.99	1.36%
HST	13%		\$ 18.98	13%		\$ 19.24	\$ 0.26	1.36%
<b>Total Bill on TOU</b>			\$ 164.96			\$ 167.21	\$ 2.25	1.36%

2

Niagara-on-the-Lake Hydro Inc.

EB-2016-0095

Manager's Summary

Filed: October 5, 2016

Page 74 of 78

Section 7 –Bill Impacts

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION
RPP / Non-RPP:	RPP
Consumption	10,000 kWh
Demand	40 kW
Current Loss Factor	1.0379
Proposed/Approved Loss Factor	1.0379

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 7.66	300	\$ 2,298.00	\$ 7.80	300	\$ 2,340.00	\$ 42.00	1.83%
Distribution Volumetric Rate	\$ 29.9406	40	\$ 1,197.62	\$ 30.4795	40	\$ 1,219.18	\$ 21.56	1.80%
Fixed Rate Riders	\$ -	300	\$ -	\$ -	300	\$ -	\$ -	-
Volumetric Rate Riders	\$ 0.0709	40	\$ (2.84)	\$ 1.0535	40	\$ (42.14)	\$ (39.30)	1385.90%
<b>Sub-Total A (excluding pass through)</b>			\$ 3,492.79			\$ 3,517.04	\$ 24.25	0.69%
Line Losses on Cost of Power	\$ 0.1114	379	\$ 42.22	\$ 0.1114	379	\$ 42.22	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 1.3409	40	\$ (53.64)	\$ 0.5087	40	\$ (20.35)	\$ 33.29	-62.06%
GA Rate Riders								
Low Voltage Service Charge	\$ -	40	\$ -	\$ -	10,000	\$ -	\$ -	-
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	40	\$ -	\$ -	-
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 3,481.37			\$ 3,538.91	\$ 57.54	1.65%
RTSR - Network	\$ 2.0216	40	\$ 80.86	\$ 2.0240	40	\$ 80.96	\$ 0.10	0.12%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.4026	40	\$ 16.10	\$ 0.3949	40	\$ 15.80	\$ (0.31)	-1.91%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 3,578.34			\$ 3,635.66	\$ 57.33	1.60%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	10,379	\$ 37.36	\$ 0.0036	10,379	\$ 37.36	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	10,379	\$ 13.49	\$ 0.0013	10,379	\$ 13.49	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	10,000	\$ 70.00	\$ 0.0070	10,000	\$ 70.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	10,379	\$ 11.42	\$ 0.0011	10,379	\$ 11.42	\$ -	0.00%
TOU - Off Peak	\$ 0.0870	6,500	\$ 565.50	\$ 0.0870	6,500	\$ 565.50	\$ -	0.00%
TOU - Mid Peak	\$ 0.1320	1,700	\$ 224.40	\$ 0.1320	1,700	\$ 224.40	\$ -	0.00%
TOU - On Peak	\$ 0.1800	1,800	\$ 324.00	\$ 0.1800	1,800	\$ 324.00	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 4,824.76			\$ 4,882.09	\$ 57.33	1.19%
HST	13%		\$ 627.22	13%		\$ 634.67	\$ 7.45	1.19%
<b>Total Bill on TOU</b>			\$ 5,451.98			\$ 5,516.76	\$ 64.78	1.19%

1

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION
RPP / Non-RPP:	RPP
Consumption	278 kWh
Demand	- kW
Current Loss Factor	1.0379
Proposed/Approved Loss Factor	1.0379

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 21.06	1	\$ 21.06	\$ 24.07	1	\$ 24.07	\$ 3.01	14.29%
Distribution Volumetric Rate	\$ 0.0098	278	\$ 2.72	\$ 0.0066	278	\$ 1.83	\$ (0.89)	-32.65%
Fixed Rate Riders	\$ (0.15)	1	\$ (0.15)	\$ (0.15)	1	\$ (0.15)	\$ -	0.00%
Volumetric Rate Riders	\$ 0.0003	278	\$ (0.08)	\$ 0.0003	278	\$ (0.08)	\$ -	0.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 23.55			\$ 25.67	\$ 2.12	9.00%
Line Losses on Cost of Power	\$ 0.1114	11	\$ 1.17	\$ 0.1114	11	\$ 1.17	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0036	278	\$ (1.00)	\$ 0.0018	278	\$ (0.50)	\$ 0.50	-50.00%
GA Rate Riders								
Low Voltage Service Charge	\$ -	278	\$ -	\$ -	278	\$ -	\$ -	-
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 24.51			\$ 27.13	\$ 2.62	10.69%
RTSR - Network	\$ 0.0072	289	\$ 2.08	\$ 0.0072	289	\$ 2.08	\$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0015	289	\$ 0.43	\$ 0.0015	289	\$ 0.43	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 27.02			\$ 29.64	\$ 2.62	9.70%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	289	\$ 1.04	\$ 0.0036	289	\$ 1.04	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	289	\$ 0.38	\$ 0.0013	289	\$ 0.38	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0011	289	\$ 0.32	\$ 0.0011	289	\$ 0.32	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0870	181	\$ 15.72	\$ 0.0870	181	\$ 15.72	\$ -	0.00%
TOU - Off Peak	\$ 0.1320	47	\$ 6.24	\$ 0.1320	47	\$ 6.24	\$ -	0.00%
TOU - Mid Peak	\$ 0.1800	50	\$ 9.01	\$ 0.1800	50	\$ 9.01	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 59.97			\$ 62.59	\$ 2.62	4.37%
HST	13%		\$ 7.80	13%		\$ 8.14	\$ 0.34	4.37%
<b>Total Bill on TOU</b>			\$ 67.77			\$ 70.73	\$ 2.96	4.37%

2

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Retailer)
Consumption	750 kWh
Demand	- kW
Current Loss Factor	1.0379
Proposed/Approved Loss Factor	1.0379

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 21.06	1	\$ 21.06	\$ 24.07	1	\$ 24.07	\$ 3.01	14.29%
Distribution Volumetric Rate	\$ 0.0098	750	\$ 7.35	\$ 0.0066	750	\$ 4.95	\$ (2.40)	-32.65%
Fixed Rate Riders	\$ (0.15)	1	\$ (0.15)	\$ (0.15)	1	\$ (0.15)	\$ -	0.00%
Volumetric Rate Riders	\$ 0.0003	750	\$ (0.23)	\$ 0.0003	750	\$ (0.23)	\$ -	0.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 28.04			\$ 28.65	\$ 0.61	2.18%
Line Losses on Cost of Power	\$ 0.1130	28	\$ 3.21	\$ 0.1130	28	\$ 3.21	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0027	750	\$ 2.03	\$ 0.0045	750	\$ 3.38	\$ 1.35	66.67%
GA Rate Riders				\$ 0.0001	750	\$ 0.08	\$ 0.08	
Low Voltage Service Charge	\$ -	750	\$ -		750	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 34.06			\$ 36.10	\$ 2.04	5.97%
RTSR - Network	\$ 0.0072	778	\$ 5.60	\$ 0.0072	778	\$ 5.60	\$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0015	778	\$ 1.17	\$ 0.0015	778	\$ 1.17	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 40.83			\$ 42.87	\$ 2.04	4.98%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	778	\$ 2.80	\$ 0.0036	778	\$ 2.80	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	778	\$ 1.01	\$ 0.0013	778	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)								
Ontario Electricity Support Program (OESP)	\$ 0.0011	778	\$ 0.86	\$ 0.0011	778	\$ 0.86	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1130	750	\$ 84.75	\$ 0.1130	750	\$ 84.75	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 130.25			\$ 132.29	\$ 2.04	1.56%
HST	13%		\$ 16.93	13%		\$ 17.20	\$ 0.26	1.56%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 147.19			\$ 149.49	\$ 2.30	1.56%

1

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	1.0379
Proposed/Approved Loss Factor	1.0379

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 38.44	1	\$ 38.44	\$ 39.13	1	\$ 39.13	\$ 0.69	1.80%
Distribution Volumetric Rate	\$ 0.0115	2000	\$ 23.00	\$ 0.0117	2000	\$ 23.40	\$ 0.40	1.74%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.0001	2000	\$ (0.20)	\$ 0.0011	2000	\$ 2.20	\$ 2.40	-1200.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 61.24			\$ 64.73	\$ 3.49	5.70%
Line Losses on Cost of Power	\$ 0.1130	76	\$ 8.57	\$ 0.1130	76	\$ 8.57	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ 0.0027	2,000	\$ 5.40	\$ 0.0045	2,000	\$ 9.00	\$ 3.60	66.67%
GA Rate Riders				\$ 0.0001	2,000	\$ 0.20	\$ 0.20	
Low Voltage Service Charge	\$ -	2,000	\$ -		2,000	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 76.00			\$ 83.29	\$ 7.29	9.59%
RTSR - Network	\$ 0.0066	2,076	\$ 13.70	\$ 0.0066	2,076	\$ 13.70	\$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0015	2,076	\$ 3.11	\$ 0.0015	2,076	\$ 3.11	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 92.81			\$ 100.10	\$ 7.29	7.85%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	2,076	\$ 7.47	\$ 0.0036	2,076	\$ 7.47	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2,076	\$ 2.70	\$ 0.0013	2,076	\$ 2.70	\$ -	0.00%
Standard Supply Service Charge								
Debt Retirement Charge (DRC)	\$ 0.0070	2,000	\$ 14.00	\$ 0.0070	2,000	\$ 14.00	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	2,076	\$ 2.28	\$ 0.0011	2,076	\$ 2.28	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1130	2,000	\$ 226.00	\$ 0.1130	2,000	\$ 226.00	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 345.26			\$ 352.55	\$ 7.29	2.11%
HST	13%		\$ 44.88	13%		\$ 45.83	\$ 0.95	2.11%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 390.15			\$ 398.39	\$ 8.24	2.11%

2

Niagara-on-the-Lake Hydro Inc.  
EB-2016-0095  
Manager's Summary  
Filed: October 5, 2016  
Page 76 of 78  
Section 7 –Bill Impacts

Customer Class:	GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Retailer)
Consumption	56,000 kWh
Demand	150 kW
Current Loss Factor	1.0379
Proposed/Approved Loss Factor	1.0379

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 274.74	1	\$ 274.74	\$ 279.69	1	\$ 279.69	\$ 4.95	1.80%
Distribution Volumetric Rate	\$ 2.1681	150	\$ 325.22	\$ 2.2071	150	\$ 331.07	\$ 5.85	1.80%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ 0.1560	150	\$ (23.40)	\$ 0.1033	150	\$ (15.50)	\$ 7.90	-33.78%
<b>Sub-Total A (excluding pass through)</b>			\$ 576.56			\$ 595.26	\$ 18.71	3.24%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-
Total Deferral/Variance Account Rate Riders	\$ 1.1067	150	\$ 166.01	\$ 1.8860	150	\$ 282.90	\$ 116.90	70.42%
GA Rate Riders				\$ 0.0001	56,000	\$ 5.60	\$ 5.60	-
Low Voltage Service Charge	\$ -	150	\$ -	\$ -	150	\$ -	\$ -	-
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 742.56			\$ 883.76	\$ 141.20	19.02%
RTSR - Network	\$ 2.6811	150	\$ 402.17	\$ 2.6843	150	\$ 402.65	\$ 0.48	0.12%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.5207	150	\$ 78.11	\$ 0.5108	150	\$ 76.62	\$ (1.49)	-1.90%
<b>Sub-Total C - Delivery (includes Sub-Total B)</b>			\$ 1,222.83			\$ 1,363.03	\$ 140.20	11.46%
Wholesale Market Service Charge (WMSC)	\$ 0.0036	58,122	\$ 209.24	\$ 0.0036	58,122	\$ 209.24	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	58,122	\$ 75.56	\$ 0.0013	58,122	\$ 75.56	\$ -	0.00%
Standard Supply Service Charge	\$ 0.0070	56,000	\$ 392.00	\$ 0.0070	56,000	\$ 392.00	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0011	58,122	\$ 63.93	\$ 0.0011	58,122	\$ 63.93	\$ -	0.00%
Ontario Electricity Support Program (OESP)	\$ 0.0011	58,122	\$ 63.93	\$ 0.0011	58,122	\$ 63.93	\$ -	0.00%
Non-RPP Retailer Avg. Price	\$ 0.1130	58,122	\$ 6,567.83	\$ 0.1130	58,122	\$ 6,567.83	\$ -	0.00%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 8,531.40			\$ 8,671.59	\$ 140.20	1.64%
HST	13%		\$ 1,109.08	13%		\$ 1,127.31	\$ 18.23	1.64%
<b>Total Bill on Non-RPP Avg. Price</b>			\$ 9,640.48			\$ 9,798.90	\$ 158.42	1.64%

### Mitigation

Niagara-on-the-Lake Hydro is not proposing any rate mitigation measures. As per the tables above, all rate classes and categories have total bill impacts less than 10%.

It is noted that the IRM model's impact calculations do not reflect the Throne Speech announcement regarding rebate of the Provincial portion of HST to certain customers. OEB staff has advised NOTL that their case managers will make the update (after the application is filed) at the appropriate point in the case.

## **8. IESO SETTLEMENT**

Section 8 in NOTL Hydro's 2016 rate application reflected our best understanding of the intent of the filing requirements stated in Section 3.2.5.2 of the 2016 Chapter 3 Filing Guidelines, and in particular the 4<sup>th</sup> paragraph of Page 12 of the Guidelines. NOTL Hydro notes that the corresponding filing requirements in the 3<sup>rd</sup> paragraph of Page 13 Section 3.2.5.2 of the 2017 Chapter 3 Filing Guidelines are the same as last year.

NOTL Hydro therefore submits that the description in the 2016 rate application is still applicable and should be used as the description for this 2017 rate application, with the following updates to numbers of embedded generators, the GA rate used, numbers of retailer customers and timing of the RPP variance true-up process.

### **Introductory Facts Update<sup>24</sup>**

- Embedded generation

NOTL Hydro currently has 129 microFIT generators under contracts issued by the IESO, 5 FIT generators and 2 Standard Offer Program generators.

- GA rate used when billing customers

NOTL Hydro used the 1<sup>st</sup> estimate GA rate when billing non-RPP customers of all rate classes for consumption up until December 31, 2015. Effective for all consumption from January 1, 2016, NOTL Hydro now uses the actual GA rate when billing non-RPP customers of all rate classes. Please also note that NOTL Hydro began billing for calendar month usage for all customers effective January 1, 2016.

- Retailer customers

NOTL Hydro currently has approximately 300 retailer customers (169 residential, 102 GS<50kW and 29 GS>50 kW)<sup>25</sup>, all of which are on

---

<sup>24</sup> See Page 49 of 76, Manager's Summary, EB-2015-0091

distributor-consolidated billing and pay to NOTL Hydro the retailer's contract price plus the GA rate (1<sup>st</sup> estimate until December 31, 2015, actual rate thereafter).

#### **IESO Settlement Process Update**

- Data Gathering - Step 4 - Global Adjustment Rates<sup>26</sup>

The actual GA rate is determined from the same IESO website at [www.ieso.ca/Pages/Participate/Settlements/Global-Adjustment-for-Class-B.aspx](http://www.ieso.ca/Pages/Participate/Settlements/Global-Adjustment-for-Class-B.aspx).

#### **True-Up Process Update – RPP Variance<sup>27</sup>**

In accordance with NOTL's Reply Submission in EB-2015-0091<sup>28</sup>, NOTL now ensures that RPP settlement true-ups are properly aligned to appropriate years to mitigate volatility in account balances going forward. Previously, true-ups had been aligned with the summer rates (May 1 to October 31) and winter rates (November 1 to April 30) periods.

On the new basis, the most recent true-up analysis was done for the period May 1, 2015 up to December 31, 2015 and the RSVA accounts were trued-up accordingly and reflected in the audited 2015 Financial Statements and RRR submission 2.1.7.

The next true-up period will be January 1, 2016 to December 31, 2016 and will be done prior to finalization of NOTL's Financial Statements and RSVA account balances for 2016.

~ End ~

---

<sup>25</sup> Per RRR 2.1.2 – 2016 Quarter 2

<sup>26</sup> See Pages 51 and 52 of 76, Manager's Summary, EB-2015-0091

<sup>27</sup> See Page 67 of 76, Manager's Summary, EB-2015-0091

<sup>28</sup> See Page 2 of 15 of NOTL's Reply Submission dated January 14, 2016