



October 2, 2013  
Sent by courier, email, and RESS

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

Dear Ms. Walli:

**Re: OEB File No. EB-2013-0133**  
**Guelph Hydro Electric Systems Inc. ("Guelph Hydro")**  
**2014 Electricity Distribution Rate Application**

In accordance with Procedural Order No. 1 dated September 18, 2013, please find attached Guelph Hydro's responses to Board Staff Interrogatories in the above proceeding.

In addition, Guelph Hydro has re-filed an updated RTSR Model to reflect the Board staff request (interrogatory #3 (D)).

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

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read "Cristina Birceanu".

Cristina Birceanu

Director of Regulatory Affairs  
Guelph Hydro Electric Systems Inc.

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Guelph, ON N1G 4Y1  
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**GUELPH HYDRO ELECTRIC SYSTEMS INC. (“GUELPH HYDRO”)  
RESPONSES TO BOARD STAFF INTERROGATORIES ON  
2014 IRM RATE APPLICATION  
FILE NO. EB-2013-0133**

*October 2, 2013*

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## RTSR Model

### Interrogatory #1

Ref: RTSR Model, Tab 4, “RRR Data”

Rate Class	Unit	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Load Factor	Loss Adjusted Billed kWh	Billed kW
Residential	kWh	364,661,620		1.0209		372,283,048	-
General Service Less Than 50 kW	kWh	145,914,309		1.0209		148,963,918	-
General Service 50 to 999 kW	kW	269,824,235	715,084		51.72%	269,824,235	715,084
General Service 50 to 999 kW - Interval Metered	kW	135,133,865	358,396		51.68%	135,133,865	358,396
General Service 1,000 to 4,999 kW	kW	491,854,193	1,009,650		66.77%	491,854,193	1,009,650
Large Use	kW	280,912,310	502,795		76.58%	280,912,310	502,795
Unmetered Scattered Load	kWh	1,899,072		1.0209		1,938,763	-
Sentinel Lighting	kW	74,827	205		49.93%	74,827	205
Street Lighting	kW	10,692,257	27,123		54.03%	10,692,257	27,123

(A) Please confirm that the data entered in columns “Non-Loss Adjusted Metered kWh” and “Non-Loss Adjusted Metered kW” are not adjusted by Guelph Hydro’s Board approved loss factor.

### **Guelph Hydro’s response:**

**Reference:** Guelph Hydro’s 2014 IRM application filed on August 16, Section 3.5, page 26 of 27, line 8 to 11.

Guelph Hydro confirms that the data entered in columns “Non-Loss Adjusted Metered kWh” and “Non-Loss Adjusted Metered kW” are not adjusted by Guelph Hydro’s Board-Approved loss factor. Guelph Hydro’s confirmation is also included in the original application (please see the above reference).

**Interrogatory #2**  
**Ref: RTSR Model, Tab 6 – “Historical Wholesale”**

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	3,909	\$2.65	\$ 10,359		\$0.00		4,200	\$2.14	\$ 8,988	\$ 8,988
February	3,864	\$2.65	\$ 10,240		\$0.00		3,950	\$2.14	\$ 8,453	\$ 8,453
March	2,897	\$2.65	\$ 7,677		\$0.00		3,289	\$2.14	\$ 7,038	\$ 7,038
April	3,105	\$2.65	\$ 8,228		\$0.00		3,105	\$2.14	\$ 6,645	\$ 6,645
May	4,135	\$2.65	\$ 10,958		\$0.00		4,352	\$2.14	\$ 9,313	\$ 9,313
June	5,015	\$2.65	\$ 13,290		\$0.00		5,054	\$2.14	\$ 10,816	\$ 10,816
July	5,235	\$2.65	\$ 13,873		\$0.00		5,235	\$2.14	\$ 11,203	\$ 11,203
August	3,893	\$2.65	\$ 10,316		\$0.00		4,430	\$2.14	\$ 9,480	\$ 9,480
September	3,082	\$2.65	\$ 8,167		\$0.00		3,371	\$2.14	\$ 7,214	\$ 7,214
October	3,443	\$2.65	\$ 9,124		\$0.00		3,710	\$2.14	\$ 7,939	\$ 7,939
November	3,855	\$2.65	\$ 10,216		\$0.00		4,300	\$2.14	\$ 9,202	\$ 9,202
December	3,961	\$2.82	\$ 11,174		\$0.00		4,152	\$2.20	\$ 9,140	\$ 9,140
<b>Total</b>	<b>46,394</b>	<b>\$ 2.66</b>	<b>\$ 123,621</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>49,148</b>	<b>\$ 2.15</b>	<b>\$ 105,431</b>	<b>\$ 105,431</b>

Guelph Hydro has input a Transformation Connection rate of \$2.14. Board staff notes that the effective Hydro-One Sub-Transmission – Transformation Connection Service Rate is \$1.50.

- (A) If Guelph Hydro agrees, please confirm, and Board staff will make the necessary adjustments to the model.
- (B) If the answer to (A) is no, please provide justification for the rate entered in the transformation connection column.
- (C) Please confirm that Guelph Hydro is not charged a combined Line and Transformation Connection rate.
- (D) If Guelph Hydro is charged a combined Line and Transformation Connection rate, please re-file the model with both the line connection and transformation connection columns filled out with the appropriate Hydro One Sub-Transmission Rates.

**Guelph Hydro’s response:**

**Reference:** “Guelph\_2014 RTSR Workform v4\_20131002, Tab 6 – Historical Wholesale and Tab 13 – Final 2014 RTS Rates” filed on October 2, 2013.

(A to D) Guelph Hydro is charged a combined Line and Transformation Connection rate by Hydro One. Guelph Hydro has confirmed with Hydro One that the

“Transmission Connection Charge” indicated on the bill snapshots below is a combined Line and Transformation Connection rate.



Guelph Hydro Electric System - Summary 395 Southgate Dr  Guelph ON N1G 4Y1  Attention: Pankaj Sardana OEB License Number:	Current Invoice Month: Nov 2012 Billing Start Date: 10-Nov-12 Billing End Date: 11-Dec-12 Report Date: 28-Dec-12  Contact Business Customer Centre: 1-866-922-2466 e-mail: business.customer.centre@hydroone.com
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**DETAIL STATEMENT FOR NOV 2012**

Account Number: 1819903011  
 Type: Aggregate

541860 FERGUS FERGUS TS

**Information we used to calculate your bill**

Total KWH	1,748,077.00
Total KWH w Losses	1,826,588.00

*All meter quantities have been adjusted by authorized losses where applicable.*

Charge	Peak Demand Date Time	Rate	Prorate Factor	Units	Total
<b>Delivery</b>					
Common ST Lines		\$0.6680		4,159.00 KW non-adj	\$2,778.21
Transmission Connection Charge	2012-12-09 18:00 EST	\$2.1400		4,300.00 KW adj	\$9,202.00
Transmission Network Charge	2012-12-10 19:00 Local	\$2.6500		3,855.00 KW adj	\$10,215.75
Sub-Total					\$22,195.96
<b>Total of all charges for this account</b>					<b>\$22,195.96</b>



Guelph Hydro Electric System - Summary 395 Southgate Dr	Current Invoice Month: Dec 2012 Billing Start Date: 11-Dec-12 Billing End Date: 11-Jan-13 Report Date: 28-Jan-13
Guelph ON N1G 4Y1	
Attention: Pankaj Sardana	Contact Business Customer Centre: 1-866-922-2466 e-mail: HydroOneBCC@HydroOne.com
OEB License Number:	

DETAIL STATEMENT FOR DEC 2012

Account Number: 1819903011  
 Type: Aggregate

541880 FERGUS FERGUS TS

Information we used to calculate your bill

Total KWH	1,927,678.00
Total KWH w Losses	2,012,700.00

*All meter quantities have been adjusted by authorized losses where applicable.*

Charge	Peak Demand Date Time	Rate	Prorate Factor	Units	Total
<b>Delivery</b>					
Common ST Lines		\$0.6680	0.677419	4,016.00 KW non-adj	\$1,817.30
Common ST Lines		\$0.6750	0.322581	4,016.00 KW non-adj	\$874.45
Rider 12 Shared Tax Savings 2013		\$-0.0010	0.322581	4,016.00 KW non-adj	(\$1.30)
Rider 10A Incr Capital Vol 2013		\$0.0000	0.677419	4,016.00 KW non-adj	-
Rider 9A Def Var 2012 General		\$0.2750	0.322581	4,016.00 KW non-adj	\$356.26
Rider 11A Smart Grid Vol 2013		\$0.0080	0.322581	4,016.00 KW non-adj	\$10.36
Rider 9A Def Var 2012 General		\$0.0000	0.677419	4,016.00 KW non-adj	-
Rider 12 Shared Tax Savings 2013		\$0.0000	0.677419	4,016.00 KW non-adj	-
Rider 11A Smart Grid Vol 2013		\$0.0000	0.677419	4,016.00 KW non-adj	-
Rider 10A Incr Capital Vol 2013		\$0.0100	0.322581	4,016.00 KW non-adj	\$12.95
Transmission Connection Charge	2012-12-23 19:00 EST	\$2.1400	0.677419	4,152.00 KW adj	\$6,019.06
Transmission Connection Charge	2012-12-23 19:00 EST	\$2.3300	0.322581	4,152.00 KW adj	\$3,120.70
Transmission Network Charge	2012-12-24 18:00 Local	\$2.6500	0.677419	3,961.00 KW adj	\$7,110.63
Transmission Network Charge	2012-12-24 18:00 Local	\$3.1800	0.322581	3,961.00 KW adj	\$4,063.22
Sub-Total					\$23,383.63

As the Board has noted, the effective Hydro-One Sub-Transmission – Transformation Connection Service Rate in 2012 was \$1.50/kW. The effective Line Connection Service Rate in 2012 was \$0.64/kW, for a combined total of \$2.14/kW. Guelph Hydro is submitting a revised RTSR Workform with the Line Connection and Transformation Connection rates broken down separately.

Guelph Hydro has included a snapshot of billings from each November and December 2012. The December billing is provided because it has an end date of January 11, 2013. As of January 1, 2013, the effective Hydro-One Sub-Transmission – Transformation Connection Service and Line Connection Service rates changed to \$1.63/kW and \$0.70/kW, respectively. Guelph Hydro has used the Prorate Factor

provided on Hydro One's December statement to derive the prorated Line Connection Service Rate of \$0.66/kW and prorated Transformation Connection Service Rate of \$1.54/kW indicated for the month of December on the revised 2014 RTSR Workform, submitted October 2, 2013.

The total Hydro One charges shown on Guelph Hydro's revised 2014 RTSR Workform, submitted on October 2, 2013 and a snapshot of which is posted below, is identical at \$105,431, to our original submission of August 16, 2013.

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	3,909	\$2.65	\$ 10,359	4,200	\$0.64	\$ 2,688	4,200	\$1.50	\$ 6,300	\$ 8,988
February	3,864	\$2.65	\$ 10,240	3,950	\$0.64	\$ 2,528	3,950	\$1.50	\$ 5,925	\$ 8,453
March	2,897	\$2.65	\$ 7,677	3,289	\$0.64	\$ 2,105	3,289	\$1.50	\$ 4,934	\$ 7,038
April	3,105	\$2.65	\$ 8,228	3,105	\$0.64	\$ 1,987	3,105	\$1.50	\$ 4,658	\$ 6,645
May	4,135	\$2.65	\$ 10,958	4,352	\$0.64	\$ 2,785	4,352	\$1.50	\$ 6,528	\$ 9,313
June	5,015	\$2.65	\$ 13,290	5,054	\$0.64	\$ 3,235	5,054	\$1.50	\$ 7,581	\$ 10,816
July	5,235	\$2.65	\$ 13,873	5,235	\$0.64	\$ 3,350	5,235	\$1.50	\$ 7,853	\$ 11,203
August	3,893	\$2.65	\$ 10,316	4,430	\$0.64	\$ 2,835	4,430	\$1.50	\$ 6,645	\$ 9,480
September	3,082	\$2.65	\$ 8,167	3,371	\$0.64	\$ 2,157	3,371	\$1.50	\$ 5,057	\$ 7,214
October	3,443	\$2.65	\$ 9,124	3,710	\$0.64	\$ 2,374	3,710	\$1.50	\$ 5,565	\$ 7,939
November	3,855	\$2.65	\$ 10,216	4,300	\$0.64	\$ 2,752	4,300	\$1.50	\$ 6,450	\$ 9,202
December	3,961	\$2.82	\$ 11,174	4,152	\$0.66	\$ 2,737	4,152	\$1.54	\$ 6,402	\$ 9,139
<b>Total</b>	<b>46,394</b>	<b>\$ 2.66</b>	<b>\$ 123,621</b>	<b>49,148</b>	<b>\$ 0.64</b>	<b>\$ 31,535</b>	<b>49,148</b>	<b>\$ 1.50</b>	<b>\$ 73,896</b>	<b>\$ 105,431</b>

The Final RTS Rates shown on Tab 13 of the revised 2014 RTSR Workform have increased for some customer classes as result of this change, including General Service with demand above 50 kW, Large Users, Sentinel Lighting, and Street Lighting. Guelph Hydro asks the Board staff to update the RTS Network and Connection rates on Guelph Hydro's Proposed Tariff of Rates and Charges for these customer classes. A snapshot of the revised Tab 13 – Final 2014 RTS Rates is shown below.





## RTSR Workform for Electricity Distributors (2014 Filers)

For Cost of Service Applicants, please enter the following Proposed RTS rates into your rates model.

For IRM applicants, please enter these rates into the 2013 IRM Rate Generator, Sheet 11 "Proposed Rates", column I.  
 Please note that the rate descriptions for the RTSRs are transferred automatically from Sheet 4 to Sheet 11, Column A.

Rate Class	Unit		Proposed RTSR Network	Proposed RTSR Connection
Residential	kWh	\$	0.0072	\$ 0.0053
General Service Less Than 50 kW	kWh	\$	0.0066	\$ 0.0047
General Service 50 to 999 kW	kW	\$	2.7544	\$ 1.9662
General Service 50 to 999 kW - Interval Metered	kW	\$	2.8571	\$ 2.0399
General Service 1,000 to 4,999 kW	kW	\$	2.8571	\$ 2.0399
Large Use	kW	\$	3.4502	\$ 2.4632
Unmetered Scattered Load	kWh	\$	0.0066	\$ 0.0047
Sentinel Lighting	kW	\$	2.1089	\$ 1.5055
Street Lighting	kW	\$	2.5374	\$ 1.8114

## Rate Generator Model

### Interrogatory #3

Ref: Rate Generator Model, “Tab 6 – Billing Det. For Def-Var”

Rate Class	Unit	Metered kWh	Metered kW	Billed kWh for Non-RPP Customers	Estimated kW for Non-RPP Customers	Distribution Revenue <sup>1</sup>
RESIDENTIAL	\$/kWh	378,871,008		49,400,334	0	14,475,925
GENERAL SERVICE LESS THAN 50 KW	\$/kWh	148,787,703		22,271,950	0	2,552,492
GENERAL SERVICE 50 TO 999 KW	\$/kW	399,661,950	1,041,992	399,661,950	1,041,992	3,473,896
GENERAL SERVICE INTERMEDIATE 1,000 TO 4,999 KW	\$/kW	465,120,498	1,015,196	465,120,498	1,015,196	3,690,126
LARGE USE	\$/kW	271,481,475	490,512	271,481,475	490,512	1,156,045
UNMETERED SCATTERED LOAD	\$/kWh	2,229,301		2,229,301	0	97,865
SENTINEL LIGHTING	\$/kW	88,740	251	336	1	3,983
STREET LIGHTING	\$/kW	9,777,748	27,447	9,503,967	26,678	314,980
microFIT						
<b>Total</b>		<b>1,676,018,424</b>	<b>2,575,397</b>	<b>1,219,669,810</b>	<b>2,574,379</b>	<b>25,765,312</b>

Board staff is unable to reconcile the data entered in the column “Distribution Revenue” to Guelph Hydro’s previous cost of service application (EB-2011-0123).

(A) Please provide an explanation for the figures entered in the column labelled “Distribution Revenue”.

(B) If any changes are required, please confirm the corrected amounts, and Board staff will make the necessary adjustments to the model.

### Guelph Hydro’s response:

**Reference:** Guelph Hydro’s Submission updated DRO EB-2011-0123 dated March 16, 2012 (file Guelph\_SUB\_DRO updated\_20120316), Attachment A, page 3, TABLE from PAGE 14, column Dist. Rev. Excluding Transformer, and TABLE from PAGE 15, column 2012 Base Rev. Requirement Excl transformer Allowance and Miscellaneous Revenue.

(A) In its submission on the Draft Rate Order, updated on March 16, 2012, attachment A, page 3, Guelph Hydro presented two tables showing the apportionment of the revenue to rate classes. The Distribution Revenue figures used in the Rate Generator Model, “Tab 6- Billing Det. For Def-Var” are correct.

(B) Guelph Hydro submits that no changes are required, as the distribution revenue figures are correct and reflect the Board-approved revenue requirement and apportionment of revenue to rate classes. A snapshot of the updated DRO dated March 16, 2012 follows:

EB-2011-0123  
 Guelph Hydro Electric Systems Inc.  
 Attachment A – updates to DRO  
 Filed: March 16, 2012  
 Page 3 of 4

**TABLE from PAGE 14**

**Forecast Class Billing Determinants for 2012 Test Year Based on Existing Class Revenue Proportions  
 Revenue At Proposed Rates**

Class	Annual kWh	Annual kW For Dx	Annualized Customers	Annualized Connections	Fixed Distribution Revenue	Variable Distribution Revenue	Dist. Rev. Including Transformer	Transformer Allowance	Dist. Rev. Excluding Transformer	Dist Rev At Existing Rates %
Residential	378,871,008	0	574,177	0	8,009,775	6,466,150	14,475,925		14,475,925	56.18%
GS < 50 KW	148,787,703	0	45,454	0	681,806	1,870,686	2,552,492		2,552,492	9.91%
GS 50 to 999 KW	399,861,950	1,041,992	6,331	0	1,110,675	2,594,209	3,694,884	220,988	3,473,896	13.48%
GS > 1000 KW	465,120,498	1,015,196	523	0	324,459	3,365,667	3,690,126		3,690,126	14.32%
Large Use	271,481,475	490,512	48	0	43,566	1,112,479	1,156,045		1,156,045	4.49%
Sentinel Lights	88,740	251	0	309	2,099	1,884	3,983		3,983	0.02%
Street Lighting	9,777,748	27,447	0	163,305	62,056	252,924	314,980		314,980	1.22%
USL	2,229,301	0	0	6,994	39,867	57,998	97,865		97,865	0.38%
	<b>1,676,018,424</b>	<b>2,575,397</b>	<b>627,033</b>	<b>170,609</b>	<b>10,274,303</b>	<b>15,711,998</b>	<b>25,986,300</b>	<b>220,988</b>	<b>25,765,312</b>	<b>100.00%</b>

**TABLE from PAGE 15**

**Apportionment of Revenue to Rate Classes – Summary**

Rate Classification	Distribution Revenue @ Existing Rate %	2012 Base Rev Requirement Excl Transformer Allowance	2012 EDR Miscellaneous Rev Allocation - Cost Allocation	Miscellaneous Revenue %	Miscellaneous Revenue	2012 Service Revenue Requirement by Rate Class	Revenue to Cost Ratios Per C.A. Study	Base Rev Requirement by Rate Class @ 100% Rev Cost Ratio	Proposed Revenue to Cost Ratios	Board Target Low	Board Target High	Proposed Service Rev Requirement by Rate Class @ proposed revenue to cost ratios	Miscellaneous Revenue	2012 Base Rev Requirement Excl Transformer Allowance and Miscellaneous Revenue	Proposed Proportion of Distribution Revenue @ 2012 proposed rates
Residential	56.18%	\$14,475,798	\$1,449,054	65.66%	\$1,449,054	\$15,924,853	97.83%	\$16,277,686	97.83%	85%	115%	\$15,924,879	\$1,449,054	\$14,475,924	56.18%
GS < 50 KW	11.62%	\$2,994,740	\$198,428	8.99%	\$198,428	\$3,193,168	139.29%	\$2,292,434	120.00%	80%	120%	\$2,750,920	\$198,428	\$2,552,492	9.91%
GS 50 to 999 KW	17.11%	\$4,408,807	\$184,879	8.38%	\$184,879	\$4,593,686	150.66%	\$3,048,979	120.00%	80%	120%	\$3,658,774	\$184,879	\$3,473,896	13.48%
GS > 1000 KW	9.43%	\$2,430,319	\$280,802	12.72%	\$280,802	\$2,711,121	57.15%	\$4,744,238	83.70%	80%	120%	\$3,970,927	\$280,802	\$3,690,126	14.32%
Large Use	4.49%	\$1,156,045	\$46,251	2.10%	\$46,251	\$1,202,296	110.73%	\$1,085,777	110.73%	85%	115%	\$1,202,296	\$46,251	\$1,156,045	4.49%
Sentinel Lights	0.015%	\$3,983	\$375	0.02%	\$375	\$4,359	103.02%	\$4,231	103.02%	80%	120%	\$4,359	\$375	\$3,983	0.02%
Street Lighting	0.77%	\$197,753	\$37,749	1.71%	\$37,749	\$235,502	55.88%	\$421,421	83.70%	70%	120%	\$352,729	\$37,749	\$314,980	1.22%
USL	0.38%	\$97,865	\$9,461	0.43%	\$9,461	\$107,326	110.03%	\$97,546	110.03%	80%	120%	\$107,326	\$9,461	\$97,865	0.38%
<b>TOTAL</b>	<b>100.00%</b>	<b>\$25,765,312</b>	<b>\$2,207,000</b>	<b>100.00%</b>	<b>\$2,207,000</b>	<b>\$27,972,312</b>		<b>\$27,972,312</b>				<b>\$27,972,312</b>	<b>\$2,207,000</b>	<b>\$25,765,312</b>	<b>100.00%</b>

**Interrogatory #4**

**Ref: Rate Generator Model, Tab 8 “Calculation of Def-Var RR”**

Board staff notes that Guelph Hydro has requested a recovery period of 3 years for its Group 1 Deferral and Variance Accounts. Board staff notes that the default disposition period is one year. In the event the Board decides on a recovery period of less than three years, please provide bill impacts for a one and two-year disposition period.

**Guelph Hydro’s response:**

Guelph Hydro has proposed a three-year disposition of Group 1 Deferral and Variance Accounts because this credit will help to mitigate rate impacts during two years of IRM and one year of Cost of Service applications.

As noted in Interrogatory #2, the proposed Retail Transmission Service – Connection rates have increased for General Service customers with demand above 50 kW, Large Users, Sentinel Lighting and Street Lighting customer classes since Guelph Hydro’s original application of August 16, 2013. Additionally, the 2014 IRM Rate Generator Model has been updated since the original application, and includes an updated Price Cap Index (Tab 9-Rev2Cost\_GDPIPI) to reflect the rate-setting parameters from the preceding calendar year and as stated in the Filing Requirements, resulting in changes to Proposed Monthly Fixed Charges and Distribution Volumetric Rates for all classes.

Guelph Hydro has simulated the effect of a one-year and two-year disposition of Group 1 Deferral and Variance Accounts below. To provide a fair comparison with our original application for a three-year disposition period, Guelph Hydro has also re-simulated the bill impact of a 3-year disposition period of Group 1 Deferral and Variance Accounts, factoring in the changes to the Price Cap Index and RTSR rates noted above.

As an example, a residential customer using 800 kWh per month would be impacted by the 1, 2, or 3-year disposition periods as follows:

<b>Residential, 800 kWh/month</b>	<b>Disposition Period</b>		
	<b>3-years</b>	<b>2-years</b>	<b>1-year</b>
Sub-Total A	\$1.34	\$1.34	\$1.34
Sub-Total B – Distribution	\$3.34	\$3.26	\$3.02
Bill Impact \$	\$3.49	\$3.41	\$3.15
Bill Impact %	2.96%	2.89%	2.68%

A General Service customer with demand below 50kW using 2000 kWh per month would be impacted by the 1, 2, or 3-year disposition periods as follows:

<b>GS&lt;50, 2000 kWh/month</b>	<b>Disposition Period</b>		
	3-years	2-years	1-year
Sub-Total A	(\$5.34)	(\$5.34)	(\$5.34)
Sub-Total B – Distribution	(\$2.14)	(\$2.34)	(\$2.94)
Bill Impact \$	(\$1.98)	(\$2.17)	(\$2.79)
Bill Impact %	-0.73%	-0.81%	-1.04%

Snapshots of the Bill Impacts for each customer class are posted below. Guelph Hydro has completed Tab 14 – Bill Impacts from the 2014 IRM Rate Generator and included it with this submission as Appendix 1A through 1C.

**Bill Impact**

**3 year Disposition of Def-Var**

Residential	kWh	100	250	500	800	1,000	1,500	2,000
	Sub-Total A	\$1.27	\$1.29	\$1.31	\$1.34	\$1.36	\$1.41	\$1.46
	Sub-Total B Distribution	\$1.52	\$1.91	\$2.56	\$3.34	\$3.86	\$5.16	\$6.46
	Bill Impact \$	\$1.56	\$1.97	\$2.66	\$3.49	\$4.04	\$5.40	\$6.78
	Bill Impact %	5.62%	4.18%	3.36%	2.96%	2.81%	2.60%	2.49%

Loss Factor 2.09%

General Service Less than 50 kW	kWh	1,000	2,000	5,000	10,000	15,000
	Sub-Total A	(\$5.44)	(\$5.34)	(\$5.04)	(\$4.54)	(\$4.04)
	Sub-Total B Distribution	(\$3.84)	(\$2.14)	\$2.96	\$11.46	\$19.96
	Bill Impact \$	(\$3.79)	(\$1.98)	\$3.53	\$12.69	\$21.86
	Bill Impact %	-2.60%	-0.73%	0.55%	1.01%	1.17%

Loss Factor 2.09%

General Service 50 to 999 kW	kWh	37,960	189,800	379,600
	kW	100	500	1,000
	Sub-Total A	\$2.04	\$6.84	\$12.84
	Sub-Total B Distribution	\$65.79	\$325.59	\$650.34
	Bill Impact \$	\$80.06	\$396.51	\$792.06
	Bill Impact %	1.57%	1.60%	1.60%

Loss Factor 2.09%      Load Factor 52%

General Service 1000 to 4999 kW	kWh	48,910	244,550	489,100
	kW	100	500	1,000
	Sub-Total A	\$4.67	\$11.11	\$19.16
	Sub-Total B Distribution	\$75.48	\$365.16	\$727.26
	Bill Impact \$	\$91.22	\$442.29	\$881.13
	Bill Impact %	1.32%	1.39%	1.40%

Loss Factor 2.09%      Load Factor 67%

Large Use	kWh	3,035,340	4,215,750	5,621,000	8,431,500
	kW	5,400	7,500	10,000	15,000
	Sub-Total A	\$63.85	\$86.95	\$114.45	\$169.45
	Sub-Total B Distribution	\$4,605.79	\$6,395.20	\$8,525.45	\$12,785.95
	Bill Impact \$	\$5,591.41	\$7,763.89	\$10,350.18	\$15,522.75
	Bill Impact %	1.47%	1.47%	1.47%	1.47%

Loss Factor 2.09%      Load Factor 77%

Unmetered Scattered Load	kWh	325
	Sub-Total A	\$0.11
	Sub-Total B Distribution	\$1.19
	Bill Impact \$	\$1.25
	Bill Impact %	2.41%

Loss Factor 2.09%

Sentinel Lighting	kWh	365
	kW	1
	Sub-Total A	\$0.12
	Sub-Total B Distribution	\$1.09
	Bill Impact \$	\$1.16
	Bill Impact %	2.14%

Loss Factor 2.09%      Load Factor 50%

Street Lighting	kWh	946,080	63
	kW	2,400	0.16
	Sub-Total A	\$107.33	\$0.06
	Sub-Total B Distribution	\$7,280.21	\$0.54
	Bill Impact \$	\$8,355.66	\$0.61
	Bill Impact %	6.16%	6.23%

Loss Factor 2.09%      Load Factor 54%

**Bill Impact**

**2 year Disposition of Def-Var**

Residential	kWh	100	250	500	800	1,000	1,500	2,000
	Sub-Total A	\$1.27	\$1.29	\$1.31	\$1.34	\$1.36	\$1.41	\$1.46
	Sub-Total B Distribution	\$1.51	\$1.89	\$2.51	\$3.26	\$3.76	\$5.01	\$6.26
	Bill Impact \$	\$1.55	\$1.94	\$2.61	\$3.41	\$3.93	\$5.25	\$6.57
	Bill Impact %	5.57%	4.12%	3.30%	2.89%	2.74%	2.53%	2.41%

Loss Factor 2.09%

General Service Less than 50 kW	kWh	1,000	2,000	5,000	10,000	15,000
	Sub-Total A	(\$5.44)	(\$5.34)	(\$5.04)	(\$4.54)	(\$4.04)
	Sub-Total B Distribution	(\$3.94)	(\$2.34)	\$2.46	\$10.46	\$18.46
	Bill Impact \$	(\$3.90)	(\$2.17)	\$3.02	\$11.67	\$20.33
	Bill Impact %	-2.67%	-0.81%	0.47%	0.93%	1.09%

Loss Factor 2.09%

General Service 50 to 999 kW	kWh	37,960	189,800	379,600
	kW	100	500	1,000
	Sub-Total A	\$2.04	\$6.84	\$12.84
	Sub-Total B Distribution	\$50.43	\$248.79	\$496.74
	Bill Impact \$	\$62.70	\$309.72	\$618.49
	Bill Impact %	1.23%	1.25%	1.25%

Loss Factor 2.09%      Load Factor 52%

General Service 1000 to 4999 kW	kWh	48,910	244,550	489,100
	kW	100	500	1,000
	Sub-Total A	\$4.67	\$11.11	\$19.16
	Sub-Total B Distribution	\$57.42	\$274.86	\$546.66
	Bill Impact \$	\$70.82	\$340.25	\$677.05
	Bill Impact %	1.03%	1.07%	1.07%

Loss Factor 2.09%      Load Factor 67%

Large Use	kWh	3,035,340	4,215,750	5,621,000	8,431,500
	kW	5,400	7,500	10,000	15,000
	Sub-Total A	\$63.85	\$86.95	\$114.45	\$169.45
	Sub-Total B Distribution	\$3,424.27	\$4,754.20	\$6,337.45	\$9,503.95
	Bill Impact \$	\$4,256.29	\$5,909.56	\$7,877.74	\$11,814.09
	Bill Impact %	1.12%	1.12%	1.12%	1.12%

Loss Factor 2.09%      Load Factor 77%

Unmetered Scattered Load	kWh	325
	Sub-Total A	\$0.11
	Sub-Total B Distribution	\$1.15
	Bill Impact \$	\$1.21
	Bill Impact %	2.34%

Loss Factor 2.09%

Sentinel Lighting	kWh	365
	kW	1
	Sub-Total A	\$0.12
	Sub-Total B Distribution	\$0.95
	Bill Impact \$	\$1.00
	Bill Impact %	1.85%

Loss Factor 2.09%      Load Factor 50%

Street Lighting	kWh	946,080	63
	kW	2,400	0.16
	Sub-Total A	\$107.33	\$0.06
	Sub-Total B Distribution	\$6,942.05	\$0.51
	Bill Impact \$	\$7,973.54	\$0.59
	Bill Impact %	5.88%	5.97%

Loss Factor 2.09%      Load Factor 54%

**Bill Impact**

**1 year Disposition of Def-Var**

<b>Residential</b>	kWh	100	250	500	800	1,000	1,500	2,000
	Sub-Total A	\$1.27	\$1.29	\$1.31	\$1.34	\$1.36	\$1.41	\$1.46
	Sub-Total B Distribution	\$1.48	\$1.81	\$2.36	\$3.02	\$3.46	\$4.56	\$5.66
	Bill Impact \$	\$1.52	\$1.86	\$2.45	\$3.15	\$3.63	\$4.80	\$5.97
	Bill Impact %	5.49%	3.96%	3.10%	2.68%	2.52%	2.31%	2.19%

Loss Factor 2.09%

<b>General Service Less than 50 kW</b>	kWh	1,000	2,000	5,000	10,000	15,000
	Sub-Total A	(\$5.44)	(\$5.34)	(\$5.04)	(\$4.54)	(\$4.04)
	Sub-Total B Distribution	(\$4.24)	(\$2.94)	\$0.96	\$7.46	\$13.96
	Bill Impact \$	(\$4.21)	(\$2.79)	\$1.49	\$8.62	\$15.76
	Bill Impact %	-2.88%	-1.04%	0.23%	0.69%	0.84%

Loss Factor 2.09%

<b>General Service 50 to 999 kW</b>	kWh	37,960	189,800	379,600
	kW	100	500	1,000
	Sub-Total A	\$2.04	\$6.84	\$12.84
	Sub-Total B Distribution	\$4.33	\$18.29	\$35.74
	Bill Impact \$	\$10.61	\$49.26	\$97.56
	Bill Impact %	0.21%	0.20%	0.20%

Loss Factor 2.09%      Load Factor 52%

<b>General Service 1000 to 4999 kW</b>	kWh	48,910	244,550	489,100
	kW	100	500	1,000
	Sub-Total A	\$4.67	\$11.11	\$19.16
	Sub-Total B Distribution	\$3.23	\$3.91	\$4.76
	Bill Impact \$	\$9.58	\$34.08	\$64.70
	Bill Impact %	0.14%	0.11%	0.10%

Loss Factor 2.09%      Load Factor 67%

<b>Large Use</b>	kWh	3,035,340	4,215,750	5,621,000	8,431,500
	kW	5,400	7,500	10,000	15,000
	Sub-Total A	\$63.85	\$86.95	\$114.45	\$169.45
	Sub-Total B Distribution	(\$120.29)	(\$168.80)	(\$226.55)	(\$342.05)
	Bill Impact \$	\$250.94	\$346.57	\$460.42	\$688.11
	Bill Impact %	0.07%	0.07%	0.07%	0.07%

Loss Factor 2.09%      Load Factor 77%

<b>Unmetered Scattered Load</b>	kWh	325
	Sub-Total A	\$0.11
	Sub-Total B Distribution	\$1.06
	Bill Impact \$	\$1.11
	Bill Impact %	2.15%

Loss Factor 2.09%

<b>Sentinel Lighting</b>	kWh	365
	kW	1
	Sub-Total A	\$0.12
	Sub-Total B Distribution	\$0.50
	Bill Impact \$	\$0.55
Bill Impact %	1.01%	

Loss Factor 2.09%      Load Factor 50%

<b>Street Lighting</b>	kWh	946,080	63
	kW	2,400	0.16
	Sub-Total A	\$107.33	\$0.06
	Sub-Total B Distribution	\$5,927.57	\$0.45
	Bill Impact \$	\$6,827.17	\$0.51
	Bill Impact %	5.04%	5.20%

Loss Factor 2.09%      Load Factor 54%



**Interrogatory #5**

**Ref: Supplemental Application, August 21, 2013**

On August 21, 2013, Guelph Hydro submitted supplemental evidence in support of its application noting that upon further review, it became apparent that Guelph Hydro was not aware of the Board's Letter and the Decision and Order for Wholesale Market Service Rates (WMSR) and Rural & Remote Protection Plan (RRRP) rate issued on April 2, 2013 (EB-2013-0067).

Guelph Hydro subsequently updated its proposed 2014 tariff of rates and charges to incorporate the changes to the WMSR and the RRRP that should have been implemented with an effective date of May 1, 2013.

(A) Please quantify the amounts of over-recovery for the WMSR and RRRP separately over the May 1 to August 31 period.

(B) Please confirm if the WMSR variance is captured in Account 1580.

**Guelph Hydro's response:**

(A) Guelph Hydro's estimated over-recovery for the WMSR and RRRP is presented below:

Rate	Rate Change Impact	Billed kWh	Over/(under recovery)
WMSR	\$0.0008	579,848,957	\$463,879.17
RRRP	(\$0.0001)	579,827,823	(\$57,982.78)
<b>TOTAL OVER-RECOVERY</b>			<b>\$405,896.38</b>
<p><b>Note:</b> 21,135 kWh difference between WMSR and RRP explanation: OPA bills RRRP for a Guelph Hydro's customer which is a market participant embedded generator</p>			

Guelph Hydro changed the WMSR and RRRP rates effective September 1, 2013. Guelph Hydro bills bi-monthly residential and general service below 50 kW customers; therefore, the actual consumption billed with old WMSR and RRRP rates between May 1 and August 31, 2013 will be known after November 15, 2013.

(B) Guelph Hydro confirms that WMSR and RRRP variance is captured in Account 1580 and the interest is calculated based on the Board's prescribed rates.

**Appendix 1**  
**BILL IMPACTS**

**Appendix 1A**  
**Bill Impacts with 3-year Disposition of Group 1 Deferral/Variance Accounts**

**Appendix 1B**  
**Bill Impacts with 2-year Disposition of Group 1 Deferral/Variance Accounts**

**Appendix 1C**  
**Bill Impacts with 1-year Disposition of Group 1 Deferral/Variance Accounts**