

RATE DESIGN

8-Staff-44

Ref: Exh 8 page 7

Ref: Cost Allocation Model

Ref: Chapter 2 Filing Requirements For Electricity Distribution Rate Applications - 2015 Edition for 2016 Rate Applications, page 57

Table 8-6 on page 7 of Exhibit 8 summarizes monthly fixed charges for HHHI rate classes.

- a) The last column of the table lists monthly fixed charges from the cost allocation model. There is no \$103.83 charge in the cost allocation model for the GS > 1000 to 4999 kW class. How was this charge determined?
- b) At page 57 of the filing requirements it states, “If a distributor’s current fixed charge for any non-residential class is higher than the calculated ceiling, there is no requirement to lower the fixed charge to the ceiling, nor are distributors expected to raise the fixed charge further above the ceiling for any non-residential class.” Please explain the rationale for the following rate classes whose monthly fixed charge is currently above the ceiling and monthly fixed charge MFC is proposed to be increased: GS<50 kW and GS>50 to 999 kW.

Response:

- a) The \$103.83 should be \$103.29 for GS > 1000 to 4999 kW as shown in column G, row 17 on the (O2 Fixed Charge /Floor /Ceiling) tab of the cost allocation model as per below.

Sheet O2 Monthly Fixed Charge Min. & Max. Worksheet -

Output sheet showing minimum and maximum level for Monthly Fixed Charge

Summary

	1	2	3	4	7	8	9
	Residential	GS <50	GS 50-999 kW	GS 1000-4999 kW	Street Light	Sentinel	Unmetered Scattered Load
Customer Unit Cost per month - Avoided Cost	\$7.40	\$3.33	\$32.18	\$61.51	\$0.00	\$2.61	\$0.34
Customer Unit Cost per month - Directly Related	\$13.68	\$8.86	\$54.37	\$96.43	\$0.00	\$4.88	\$0.64
Customer Unit Cost per month - Minimum System with PLCC Adjustment	\$24.02	\$18.51	\$65.59	\$103.29	\$2.26	\$12.73	\$7.94
Existing Approved Fixed Charge	\$12.72	\$27.51	\$77.50	\$179.93	\$2.23	\$5.06	\$6.75

- b) HHHI is proposing to maintain its current fixed and variable revenue split for all non-residential class. As a result, the fixed monthly charge increased for all non-residential class except street lighting as the revenue requirement for all non-residential classes increased.

8-Staff-45

**Ref: Chapter 2 Filing Requirements For Electricity Distribution Rate Applications
- 2015 Edition for 2016 Rate Applications, page 63**

- a) What is the total bill impact, including the combined effects of the shift to fixed rates and other bill impacts associated with changes in the cost of distribution service, for a residential customer at the distributor's 10th consumption percentile?
- b) Please provide a description of the method used to derive the 10th consumption percentile. The description should include a discussion regarding the nature of the data that was used (e.g. was the source data for all residential customers or a representative sample of residential customers).

Response:

- a) Including the combined effects of the shift to fixed rates and other bill impacts associated with changes in the cost of distribution service, a residential customer at the distributor's 10th consumption percentile would see a total bill impact of 5.13% as shown below.

Table IRR - 74 : Bill Impact for 10th Percentile Residential Customer (356 kWh/month)

Description	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 12.7200	1	\$ 12.72	\$ 19.4500	1	\$ 19.45	\$ 6.73	52.91%
Smart Meter Rate Adder			1	\$ -	\$ -	1	\$ -	\$ -	
Rate Rider for Disposition of Residual Historical Smart Meter Costs-effective until April 30, 2016	Monthly	\$ 1.3100	1	\$ 1.31	\$ -	1	\$ -	-\$ 1.31	-100.00%
Rate Rider for Recovery of Stranded Meter Assets-effective until April 30, 2016	Monthly	\$ 1.1300	1	\$ 1.13	\$ -	1	\$ -	-\$ 1.13	-100.00%
Rate Rider for Ice Storm Recovery - effective until October 31, 2016	Monthly	\$ 2.2300	1	\$ 2.23	\$ 2.3300	1	\$ 2.33	\$ 0.10	4.48%
Distribution Volumetric Rate	per kWh	\$ 0.0120	356	\$ 4.27	\$ 0.0115	356	\$ 4.09	-\$ 0.18	-4.17%
Smart Meter Disposition Rider		\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
LRAM & SSM Rate Rider		\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Rate Rider for Disposition of LRAMVA Account (2016) - effective until April 30, 2018	per kWh	\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Sub-Total A (excluding pass through)				\$ 21.66			\$ 25.87	\$ 4.21	19.44%
Rate Rider for Disposition of Deferral/Variance Group 2 Account (2016) - effective until April 30, 2018	Monthly	\$ -	-	\$ -	\$ 0.5900	1	\$ 0.59	\$ 0.59	
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	per kWh	\$ 0.0033	356	\$ 1.17	\$ -	356	\$ -	-\$ 1.17	-100.00%
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2018	per kWh	\$ -	356	\$ -	\$ 0.0005	356	-\$ 0.18	-\$ 0.18	
Rate Rider for Disposition of Global Adjustment Account-Applicable only for Non RPP Customers	per kWh	\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Low Voltage Service Charge	per kWh	\$ 0.0012	356	\$ 0.43	\$ 0.0026	356	\$ 0.93	\$ 0.50	116.67%
Line Losses on Cost of Power	per kWh	\$ 0.1021	21	\$ 2.19	\$ 0.1021	20	\$ 2.04	-\$ 0.15	-6.98%
Smart Meter Entity Charge	Monthly	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)				\$ 26.24			\$ 30.04	\$ 3.79	14.46%
RTSR - Network	per kWh	\$ 0.0074	377	\$ 2.79	\$ 0.0068	376	\$ 2.56	-\$ 0.24	-8.47%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0051	377	\$ 1.92	\$ 0.0052	376	\$ 1.95	\$ 0.03	1.56%
Sub-Total C - Delivery (including Sub-Total B)				\$ 30.96			\$ 34.55	\$ 3.59	11.59%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0044	377	\$ 1.66	\$ 0.0044	376	\$ 1.65	-\$ 0.01	-0.40%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	377	\$ 0.49	\$ 0.0013	376	\$ 0.49	-\$ 0.00	-0.40%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)			356	\$ -					
Ontario Electricity Support Program (OESP)	per kWh					376	\$ -		
TOU - Off Peak	per kWh	\$ 0.0800	228	\$ 18.23	\$ 0.0800	228	\$ 18.23	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1220	64	\$ 7.82	\$ 0.1220	64	\$ 7.82	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1610	64	\$ 10.32	\$ 0.1610	64	\$ 10.32	\$ -	0.00%
Non-RPP Retailer Avg. Price		\$ 0.0860	356	\$ 30.62	\$ 0.0860	356	\$ 30.62	\$ -	0.00%
Average IESO Wholesale Market Price		\$ 0.0906	356	\$ 32.25	\$ 0.0906	356	\$ 32.25	\$ -	0.00%
Total Bill on TOU (before Taxes)				\$ 69.72			\$ 73.30	\$ 3.58	5.13%
HST			13%	\$ 9.06		13%	\$ 9.53	\$ 0.47	5.13%
Total Bill (including HST)				\$ 78.79			\$ 82.83	\$ 4.05	5.13%
<i>Ontario Clean Energy Benefit ¹</i>									
Total Bill on TOU				\$ 78.79			\$ 82.83	\$ 4.05	5.13%

b) The following is the process used to derive the 10th consumption percentile:

1. 2014 Residential consumption data was downloaded from the billing system into an Excel spreadsheet.
2. Incomplete data (data that was not representative of the complete calendar year) was removed.
3. The data was sorted from smallest consumption to largest consumption.
4. The total number of lines was divided by 10 to determine the number of data lines that would appear in each 10th percentile.

5. The annual consumption for the account that appeared at the end of the 10th percentile was divided by 12 months to determine the final 10th consumption percentile.

The calculations are shown below:

Total count of Residential customers with complete 2014 consumption data = **17676**
10th percentile = 1/10th of total count

$$\frac{17676}{10} = 1768$$

Customer #1768 shows an annual consumption of 4,270.86 kWhs

$$4,270.86 \text{ kWhs} / 12 \text{ months} = 355.9 \text{ kWhs} / \text{month}$$

Therefore, the 10th percentile consumption is **355.9 kWhs**.

8-Energy Probe-41

Ref: Exhibit 8, Tab 2, Schedule 1, pages 4 & 7

- a) Please explain why HHHI is proposing to increase the monthly charges for the three GS classes even though the existing charges are already above the ceiling, as shown in Table 8-6.
- b) Please provide the relevant parts of the decisions noted on page 4 related to maintaining the fixed/variable proportions.
- c) For each of the decisions noted above, please confirm that the approved fixed charges were above the associated ceiling for each rate class.

Response:

- a) Please refer to 8-Staff-44 part (b).
- b) HHHI is proposing to maintain the same fixed/variable proportions that were approved in its 2012 Cost of Service Rate Application except for residential.
- c) Please refer to part (b) above.

8-Energy Probe-42

Ref: Exhibit 8, Tab 2, Schedule 1, pages 8-9

Please explain why the transformer allowance does not need to be increased, despite the significant increase in the overall revenue requirement that is mainly the result of increases in rate base and OM&A expenditures. In other words, why is the transformer allowance not affected by the things that are driving distribution rates higher?

Response:

HHHI has reviewed its Cost Allocation model and in accordance with Tab O3.1, Cell F27, the calculated value is \$0.5822. As such, HHHI will amend its transformer allowance charge and request a credit charge of \$0.60 per kW or 90% of the kVA, whichever is higher.

8-VECC-30

Reference: E8/T2/S1, page 5 / E8/T12/S1, page 1

HHHI has not provided the total bill impacts for low volume Residential customers as required by the July 2015 Filing Guidelines (page 63). Please indicate what the low volume (i.e., 10th percentile) usage level is for HHHI's Residential customers and provide a bill impact calculation consistent with those set out in Exhibit 8, Appendix 8-D

Response:

- a) Please refer to 8-Staff-45.

8-VECC-31

Reference: E8/T7/S1, page 14

a) Please provide the calculation of the forecast \$1,373,936 LV cost for 2016 per lines 21-25.

Response:

a) The calculation of the 2016 forecasted LV cost is shown in Table IRR - 75 below.

Table IRR - 75 : Calculation of 2016 Forecasted LV costs

Forecasted LV						
Charge Description	Unit of Measure	Charge	HONI Feeder Location #1	HONI Feeder Location #2	HONI Feeder Location #3	Total
# of feeders billed for:			1	1	3	5
2014 kW:			125,118	137,446	638,832	901,396
Service Charge	monthly / feeder	\$ 433.07	\$ 5,197	\$ 5,197	\$ 15,591	\$ 25,984
Fixed DVA Rate Rider	monthly / feeder	\$ 16.60	\$ 199	\$ 199	\$ 598	\$ 996
Facilities Charge	kW	\$ 1.0220	\$ 127,870	\$ 140,469	\$ 652,886	\$ 921,226
Variable DVA Rate Rider (General)	kW	\$ 0.4723	\$ 59,093	\$ 64,916	\$ 301,720	\$ 425,729
Total						\$ 1,373,936

8-VECC-32

Reference: E8/T8/S1, page 17

- a) Please explain how Distributed Generation and the Wholesale Market Participant customer(s) are accounted in Table 8-12.

Response:

- a) The Wholesale Market Participant consumption has been included in lines A(1) and A(2) in Table 8-12. Distributed Generation amounts have been included in A(2) in Table 8-12.

8-VECC-33

**Reference: E8/T12/S1
Appendix 2-W**

- a) Please provide an revised version of Appendix 2-W (HHHI's Appendix 8-D that:
- i. Includes the OCEB credit in 2015 rates but reflects the planned elimination of the OCEB credit in 2016,
 - ii. Includes the Debt Retirement charge in 2015 rates but reflects its planned elimination in 2016,
 - iii. Includes new OESP charge to be implemented in 2016 per EB-2015-0294, and
 - iv. Includes the reduction in the WMS charge for 2016 per EB-2015-0294.

Please include in the response a total bill impact calculation for a low volume (i.e., 10th percentile) Residential customer.

Response:

- a) Please find the required bill impacts in Tables IRR - 76 to IRR - 79. HHHI has incorporated all the requested changes in 8.0-VECC-33 (a) in Table IRR - 80.

**Table IRR - 76 : Revised Bill Impact – 10th Percentile Residential Customer – OCEB in 2015,
Removed in 2016 [8.0-VECC-33 (a)(i)]**

Description	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 12.7200	1	\$ 12.72	\$ 19.4500	1	\$ 19.45	\$ 6.73	52.91%
Smart Meter Rate Adder			1	\$ -	\$ -	1	\$ -	\$ -	
Rate Rider for Disposition of Residual Historical Smart Meter Costs-effective until April 30, 2016	Monthly	\$ 1.3100	1	\$ 1.31	\$ -	1	\$ -	-\$ 1.31	-100.00%
Rate Rider for Recovery of Stranded Meter Assets-effective until April 30, 2016	Monthly	\$ 1.1300	1	\$ 1.13	\$ -	1	\$ -	-\$ 1.13	-100.00%
Rate Rider for Ice Storm Recovery - effective until October 31, 2016	Monthly	\$ 2.2300	1	\$ 2.23	\$ 2.3300	1	\$ 2.33	\$ 0.10	4.48%
Distribution Volumetric Rate	per kWh	\$ 0.0120	356	\$ 4.27	\$ 0.0115	356	\$ 4.09	-\$ 0.18	-4.17%
Smart Meter Disposition Rider		\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
LRAM & SSM Rate Rider		\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Rate Rider for Disposition of LRAMVA Account (2016) - effective until April 30, 2018	per kWh	\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Sub-Total A (excluding pass through)				\$ 21.66			\$ 25.87	\$ 4.21	19.44%
Rate Rider for Disposition of Deferral/Variance Group 2 Account (2016) - effective until April 30, 2018	Monthly	\$ -	-	\$ -	\$ 0.5900	1	\$ 0.59	\$ 0.59	
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	per kWh	\$ 0.0033	356	\$ 1.17	\$ -	356	\$ -	-\$ 1.17	-100.00%
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2018	per kWh	\$ -	356	\$ -	-\$ 0.0005	356	-\$ 0.18	-\$ 0.18	
Rate Rider for Disposition of Global Adjustment Account-Applicable only for Non RPP Customers	per kWh	\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Low Voltage Service Charge	per kWh	\$ 0.0012	356	\$ 0.43	\$ 0.0026	356	\$ 0.93	\$ 0.50	116.67%
Line Losses on Cost of Power	per kWh	\$ 0.1021	21	\$ 2.19	\$ 0.1021	20	\$ 2.04	-\$ 0.15	-6.98%
Smart Meter Entity Charge	Monthly	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)				\$ 26.24			\$ 30.04	\$ 3.79	14.46%
RTSR - Network	per kWh	\$ 0.0074	377	\$ 2.79	\$ 0.0068	376	\$ 2.56	-\$ 0.24	-8.47%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0051	377	\$ 1.92	\$ 0.0052	376	\$ 1.95	\$ 0.03	1.56%
Sub-Total C - Delivery (including Sub-Total B)				\$ 30.96			\$ 34.55	\$ 3.59	11.59%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0044	377	\$ 1.66	\$ 0.0044	376	\$ 1.65	-\$ 0.01	-0.40%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	377	\$ 0.49	\$ 0.0013	376	\$ 0.49	-\$ 0.00	-0.40%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)			356	\$ -					
Ontario Electricity Support Program (OESP)	per kWh					376	\$ -		
TOU - Off Peak	per kWh	\$ 0.0800	228	\$ 18.23	\$ 0.0800	228	\$ 18.23	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1220	64	\$ 7.82	\$ 0.1220	64	\$ 7.82	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1610	64	\$ 10.32	\$ 0.1610	64	\$ 10.32	\$ -	0.00%
Non-RPP Retailer Avg. Price		\$ 0.0860	356	\$ 30.62	\$ 0.0860	356	\$ 30.62	\$ -	0.00%
Average IESO Wholesale Market Price		\$ 0.0906	356	\$ 32.25	\$ 0.0906	356	\$ 32.25	\$ -	0.00%
Total Bill on TOU (before Taxes)				\$ 69.72			\$ 73.30	\$ 3.58	5.13%
HST		13%		\$ 9.06	13%		\$ 9.53	\$ 0.47	5.13%
Total Bill (including HST)				\$ 78.79			\$ 82.83	\$ 4.05	5.13%
Ontario Clean Energy Benefit ¹		-10%		-\$ 7.88	0%		\$ -		
Total Bill on TOU				\$ 70.91			\$ 82.83	\$ 11.92	16.82%

**Table IRR - 77 : Revised Bill Impact – 10th Percentile Residential Customer – DRC in 2015,
Removed in 2016 [8.0-VECC-33 (a)(ii)]**

Description	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 12.7200	1	\$ 12.72	\$ 19.4500	1	\$ 19.45	\$ 6.73	52.91%
Smart Meter Rate Adder			1	\$ -	\$ -	1	\$ -	\$ -	
Rate Rider for Disposition of Residual Historical Smart Meter Costs-effective until April 30, 2016	Monthly	\$ 1.3100	1	\$ 1.31	\$ -	1	\$ -	-\$ 1.31	-100.00%
Rate Rider for Recovery of Stranded Meter Assets-effective until April 30, 2016	Monthly	\$ 1.1300	1	\$ 1.13	\$ -	1	\$ -	-\$ 1.13	-100.00%
Rate Rider for Ice Storm Recovery - effective until October 31, 2016	Monthly	\$ 2.2300	1	\$ 2.23	\$ 2.3300	1	\$ 2.33	\$ 0.10	4.48%
Distribution Volumetric Rate	per kWh	\$ 0.0120	356	\$ 4.27	\$ 0.0115	356	\$ 4.09	-\$ 0.18	-4.17%
Smart Meter Disposition Rider		\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
LRAM & SSM Rate Rider		\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Rate Rider for Disposition of LRAMVA Account (2016) - effective until April 30, 2018	per kWh	\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Sub-Total A (excluding pass through)				\$ 21.66			\$ 25.87	\$ 4.21	19.44%
Rate Rider for Disposition of Deferral/Variance Group 2 Account (2016) - effective until April 30, 2018	Monthly	\$ -	-	\$ -	\$ 0.5900	1	\$ 0.59	\$ 0.59	
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	per kWh	\$ 0.0033	356	\$ 1.17	\$ -	356	\$ -	-\$ 1.17	-100.00%
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2018	per kWh	\$ -	356	\$ -	-\$ 0.0005	356	-\$ 0.18	-\$ 0.18	
Rate Rider for Disposition of Global Adjustment Account-Applicable only for Non RPP Customers	per kWh	\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Low Voltage Service Charge	per kWh	\$ 0.0012	356	\$ 0.43	\$ 0.0026	356	\$ 0.93	\$ 0.50	116.67%
Line Losses on Cost of Power	per kWh	\$ 0.1021	21	\$ 2.19	\$ 0.1021	20	\$ 2.04	-\$ 0.15	-6.98%
Smart Meter Entity Charge	Monthly	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)				\$ 26.24			\$ 30.04	\$ 3.79	14.46%
RTSR - Network	per kWh	\$ 0.0074	377	\$ 2.79	\$ 0.0068	376	\$ 2.56	-\$ 0.24	-8.47%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0051	377	\$ 1.92	\$ 0.0052	376	\$ 1.95	\$ 0.03	1.56%
Sub-Total C - Delivery (including Sub-Total B)				\$ 30.96			\$ 34.55	\$ 3.59	11.59%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0044	377	\$ 1.66	\$ 0.0044	376	\$ 1.65	-\$ 0.01	-0.40%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	377	\$ 0.49	\$ 0.0013	376	\$ 0.49	-\$ 0.00	-0.40%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	356	\$ 2.49	\$ -	356	\$ -	-\$ 2.49	-100.00%
Ontario Electricity Support Program (OESP)	per kWh					376	\$ -		
TOU - Off Peak	per kWh	\$ 0.0800	228	\$ 18.23	\$ 0.0800	228	\$ 18.23	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1220	64	\$ 7.82	\$ 0.1220	64	\$ 7.82	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1610	64	\$ 10.32	\$ 0.1610	64	\$ 10.32	\$ -	0.00%
Non-RPP Retailer Avg. Price		\$ 0.0860	356	\$ 30.62	\$ 0.0860	356	\$ 30.62	\$ -	0.00%
Average IESO Wholesale Market Price		\$ 0.0906	356	\$ 32.25	\$ 0.0906	356	\$ 32.25	\$ -	0.00%
Total Bill on TOU (before Taxes)				\$ 72.22			\$ 73.30	\$ 1.09	1.51%
HST		13%		\$ 9.39	13%		\$ 9.53	\$ 0.14	1.51%
Total Bill (including HST)				\$ 81.60			\$ 82.83	\$ 1.23	1.51%
<i>Ontario Clean Energy Benefit ¹</i>				\$ -					
Total Bill on TOU				\$ 81.60			\$ 82.83	\$ 1.23	1.51%

Table IRR - 78 : Revised Bill Impact – 10th Percentile Residential Customer – no OESP in 2015, Added in 2016 [8.0-VECC-33 (a)(iii)]

Description	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 12.7200	1	\$ 12.72	\$ 19.4500	1	\$ 19.45	\$ 6.73	52.91%
Smart Meter Rate Adder			1	\$ -	\$ -	1	\$ -	\$ -	
Rate Rider for Disposition of Residual Historical Smart Meter Costs-effective until April 30, 2016	Monthly	\$ 1.3100	1	\$ 1.31	\$ -	1	\$ -	-\$ 1.31	-100.00%
Rate Rider for Recovery of Stranded Meter Assets-effective until April 30, 2016	Monthly	\$ 1.1300	1	\$ 1.13	\$ -	1	\$ -	-\$ 1.13	-100.00%
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Distribution Volumetric Rate	per kWh	\$ 0.0120	356	\$ 4.27	\$ 0.0115	356	\$ 4.09	-\$ 0.18	-4.17%
Smart Meter Disposition Rider		\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
LRAM & SSM Rate Rider		\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Rate Rider for Disposition of LRAMVA Account (2016) - effective until April 30, 2018	per kWh	\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Sub-Total A (excluding pass through)				\$ 21.66			\$ 25.87	\$ 4.21	19.44%
Rate Rider for Disposition of Deferral/Variance Group 2 Account (2016) - effective until April 30, 2018	Monthly	\$ -	-	\$ -	\$ 0.5900	1	\$ 0.59	\$ 0.59	
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	per kWh	\$ 0.0033	356	\$ 1.17	\$ -	356	\$ -	-\$ 1.17	-100.00%
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2018	per kWh	\$ -	356	\$ -	\$ 0.0005	356	-\$ 0.18	-\$ 0.18	
Rate Rider for Disposition of Global Adjustment Account-Applicable only for Non RPP Customers	per kWh	\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
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Smart Meter Entity Charge	Monthly	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)				\$ 26.24			\$ 30.04	\$ 3.79	14.46%
RTSR - Network	per kWh	\$ 0.0074	377	\$ 2.79	\$ 0.0068	376	\$ 2.56	-\$ 0.24	-8.47%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0051	377	\$ 1.92	\$ 0.0052	376	\$ 1.95	\$ 0.03	1.56%
Sub-Total C - Delivery (including Sub-Total B)				\$ 30.96			\$ 34.55	\$ 3.59	11.59%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0044	377	\$ 1.66	\$ 0.0044	376	\$ 1.65	-\$ 0.01	-0.40%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	377	\$ 0.49	\$ 0.0013	376	\$ 0.49	-\$ 0.00	-0.40%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)			356	\$ -					
Ontario Electricity Support Program (OESP)	per kWh	\$ -	377	\$ -	\$ 0.0011	376	\$ 0.41	\$ 0.41	
TOU - Off Peak	per kWh	\$ 0.0800	228	\$ 18.23	\$ 0.0800	228	\$ 18.23	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1220	64	\$ 7.82	\$ 0.1220	64	\$ 7.82	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1610	64	\$ 10.32	\$ 0.1610	64	\$ 10.32	\$ -	0.00%
Non-RPP Retailer Avg. Price		\$ 0.0860	356	\$ 30.62	\$ 0.0860	356	\$ 30.62	\$ -	0.00%
Average IESO Wholesale Market Price		\$ 0.0906	356	\$ 32.25	\$ 0.0906	356	\$ 32.25	\$ -	0.00%
Total Bill on TOU (before Taxes)				\$ 69.72			\$ 73.72	\$ 3.99	5.73%
HST		13%		\$ 9.06	13%		\$ 9.58	\$ 0.52	5.73%
Total Bill (including HST)				\$ 78.79			\$ 83.30	\$ 4.51	5.73%
Ontario Clean Energy Benefit ¹									
Total Bill on TOU				\$ 78.79			\$ 83.30	\$ 4.51	5.73%

**Table IRR - 79 : Revised Bill Impact – 10th Percentile Residential Customer – Wholesale
 Market Service Charge Reduction in 2016 [8.0-VECC-33 (a)(iv)]**

Description	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 12.7200	1	\$ 12.72	\$ 19.4500	1	\$ 19.45	\$ 6.73	52.91%
Smart Meter Rate Adder			1	\$ -	\$ -	1	\$ -	\$ -	
Rate Rider for Disposition of Residual Historical Smart Meter Costs-effective until April 30, 2016	Monthly	\$ 1.3100	1	\$ 1.31	\$ -	1	\$ -	-\$ 1.31	-100.00%
Rate Rider for Recovery of Stranded Meter Assets-effective until April 30, 2016	Monthly	\$ 1.1300	1	\$ 1.13	\$ -	1	\$ -	-\$ 1.13	-100.00%
Rate Rider for Ice Storm Recovery - effective until October 31, 2016	Monthly	\$ 2.2300	1	\$ 2.23	\$ 2.3300	1	\$ 2.33	\$ 0.10	4.48%
Distribution Volumetric Rate	per kWh	\$ 0.0120	356	\$ 4.27	\$ 0.0115	356	\$ 4.09	-\$ 0.18	-4.17%
Smart Meter Disposition Rider		\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
LRAM & SSM Rate Rider		\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Rate Rider for Disposition of LRAMVA Account (2016) - effective until April 30, 2018	per kWh	\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Sub-Total A (excluding pass through)				\$ 21.66			\$ 25.87	\$ 4.21	19.44%
Rate Rider for Disposition of Deferral/Variance Group 2 Account (2016) - effective until April 30, 2018	Monthly	\$ -	-	\$ -	\$ 0.5900	1	\$ 0.59	\$ 0.59	
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	per kWh	\$ 0.0033	356	\$ 1.17	\$ -	356	\$ -	-\$ 1.17	-100.00%
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2018	per kWh	\$ -	356	\$ -	-\$ 0.0005	356	-\$ 0.18	-\$ 0.18	
Rate Rider for Disposition of Global Adjustment Account-Applicable only for Non RPP Customers	per kWh	\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Low Voltage Service Charge	per kWh	\$ 0.0012	356	\$ 0.43	\$ 0.0026	356	\$ 0.93	\$ 0.50	116.67%
Line Losses on Cost of Power	per kWh	\$ 0.1021	21	\$ 2.19	\$ 0.1021	20	\$ 2.04	-\$ 0.15	-6.98%
Smart Meter Entity Charge	Monthly	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)				\$ 26.24			\$ 30.04	\$ 3.79	14.46%
RTSR - Network	per kWh	\$ 0.0074	377	\$ 2.79	\$ 0.0068	376	\$ 2.56	-\$ 0.24	-8.47%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0051	377	\$ 1.92	\$ 0.0052	376	\$ 1.95	\$ 0.03	1.56%
Sub-Total C - Delivery (including Sub-Total B)				\$ 30.96			\$ 34.55	\$ 3.59	11.59%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0044	377	\$ 1.66	\$ 0.0036	376	\$ 1.35	-\$ 0.31	-18.51%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	377	\$ 0.49	\$ 0.0013	376	\$ 0.49	-\$ 0.00	-0.40%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)									
Ontario Electricity Support Program (OESP)									
TOU - Off Peak	per kWh	\$ 0.0800	228	\$ 18.23	\$ 0.0800	228	\$ 18.23	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1220	64	\$ 7.82	\$ 0.1220	64	\$ 7.82	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1610	64	\$ 10.32	\$ 0.1610	64	\$ 10.32	\$ -	0.00%
Non-RPP Retailer Avg. Price		\$ 0.0860	356	\$ 30.62	\$ 0.0860	356	\$ 30.62	\$ -	0.00%
Average IESO Wholesale Market Price		\$ 0.0906	356	\$ 32.25	\$ 0.0906	356	\$ 32.25	\$ -	0.00%
Total Bill on TOU (before Taxes)				\$ 69.72			\$ 73.00	\$ 3.28	4.70%
HST		13%		\$ 9.06	13%		\$ 9.49	\$ 0.43	4.70%
Total Bill (including HST)				\$ 78.79			\$ 82.49	\$ 3.71	4.70%
Ontario Clean Energy Benefit ¹									
Total Bill on TOU				\$ 78.79			\$ 82.49	\$ 3.71	4.70%

**Table IRR - 80 : Revised Bill Impact – 10th Percentile Residential Customer – All Charges
 Incorporated [8.0-VECC-33 (a)]**

Description	Charge Unit	Current Board-Approved			Proposed			Impact	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 12.7200	1	\$ 12.72	\$ 19.4500	1	\$ 19.45	\$ 6.73	52.91%
Smart Meter Rate Adder			1	\$ -	\$ -	1	\$ -	\$ -	
Rate Rider for Disposition of Residual Historical Smart Meter Costs-effective until April 30, 2016	Monthly	\$ 1.3100	1	\$ 1.31	\$ -	1	\$ -	-\$ 1.31	-100.00%
Rate Rider for Recovery of Stranded Meter Assets-effective until April 30, 2016	Monthly	\$ 1.1300	1	\$ 1.13	\$ -	1	\$ -	-\$ 1.13	-100.00%
Rate Rider for Ice Storm Recovery - effective until October 31, 2016	Monthly	\$ 2.2300	1	\$ 2.23	\$ 2.3300	1	\$ 2.33	\$ 0.10	4.48%
Distribution Volumetric Rate	per kWh	\$ 0.0120	356	\$ 4.27	\$ 0.0115	356	\$ 4.09	-\$ 0.18	-4.17%
Smart Meter Disposition Rider		\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
LRAM & SSM Rate Rider		\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Rate Rider for Disposition of LRAMVA Account (2016) - effective until April 30, 2018	per kWh	\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Sub-Total A (excluding pass through)				\$ 21.66			\$ 25.87	\$ 4.21	19.44%
Rate Rider for Disposition of Deferral/Variance Group 2 Account (2016) - effective until April 30, 2018	Monthly	\$ -	-	\$ -	\$ 0.5900	1	\$ 0.59	\$ 0.59	
Rate Rider for Disposition of Deferral/Variance Accounts (2015) - effective until April 30, 2016	per kWh	\$ 0.0033	356	\$ 1.17	\$ -	356	\$ -	-\$ 1.17	-100.00%
Rate Rider for Disposition of Deferral/Variance Accounts (2016) - effective until April 30, 2018	per kWh	\$ -	356	\$ -	-\$ 0.0005	356	-\$ 0.18	-\$ 0.18	
Rate Rider for Disposition of Global Adjustment Account-Applicable only for Non RPP Customers	per kWh	\$ -	356	\$ -	\$ -	356	\$ -	\$ -	
Low Voltage Service Charge	per kWh	\$ 0.0012	356	\$ 0.43	\$ 0.0026	356	\$ 0.93	\$ 0.50	116.67%
Line Losses on Cost of Power	per kWh	\$ 0.1021	21	\$ 2.19	\$ 0.1021	20	\$ 2.04	-\$ 0.15	-6.98%
Smart Meter Entity Charge	Monthly	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)				\$ 26.24			\$ 30.04	\$ 3.79	14.46%
RTSR - Network	per kWh	\$ 0.0074	377	\$ 2.79	\$ 0.0068	376	\$ 2.56	-\$ 0.24	-8.47%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0051	377	\$ 1.92	\$ 0.0052	376	\$ 1.95	\$ 0.03	1.56%
Sub-Total C - Delivery (including Sub-Total B)				\$ 30.96			\$ 34.55	\$ 3.59	11.59%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0044	377	\$ 1.66	\$ 0.0036	376	\$ 1.35	-\$ 0.31	-18.51%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	377	\$ 0.49	\$ 0.0013	376	\$ 0.49	-\$ 0.00	-0.40%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	356	\$ 2.49	\$ -	356	\$ -	-\$ 2.49	-100.00%
Ontario Electricity Support Program (OESP)	per kWh	\$ -	377	\$ -	\$ 0.0011	376	\$ 0.41	\$ 0.41	
TOU - Off Peak	per kWh	\$ 0.0800	228	\$ 18.23	\$ 0.0800	228	\$ 18.23	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1220	64	\$ 7.82	\$ 0.1220	64	\$ 7.82	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1610	64	\$ 10.32	\$ 0.1610	64	\$ 10.32	\$ -	0.00%
Non-RPP Retailer Avg. Price		\$ 0.0860	356	\$ 30.62	\$ 0.0860	356	\$ 30.62	\$ -	0.00%
Average IESO Wholesale Market Price		\$ 0.0906	356	\$ 32.25	\$ 0.0906	356	\$ 32.25	\$ -	0.00%
Total Bill on TOU (before Taxes)				\$ 72.22			\$ 73.42	\$ 1.20	1.66%
HST		13%		\$ 9.39	13%		\$ 9.54	\$ 0.16	1.66%
Total Bill (including HST)				\$ 81.60			\$ 82.96	\$ 1.36	1.66%
Ontario Clean Energy Benefit ¹		-10%		-\$ 8.16	0%		\$ -	\$ 8.16	-100.00%
Total Bill on TOU				\$ 73.44			\$ 82.96	\$ 9.52	12.96%