

KB.1

EB-2014-0116

Ontario Energy Board

IN THE MATTER OF the *Ontario Energy Board Act, 1998*, S.O. 1998, c. 15, (Schedule B);

AND IN THE MATTER OF an application by Toronto Hydro-Electric System Limited for an order approving just and reasonable rates and other charges for electricity distribution to be effective May 1, 2015.

**VULNERABLE ENERGY CONSUMERS COALITION
("VECC")
CROSS-EXAMINATION COMPENDIUM**

FEBRUARY 25, 2015

Ontario Energy Board	
FILE No.	EB-2014-0116
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DATE	February 27, 2015
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08/99	

THESL 2015-2019 RATE APPLICATION (EB-2014-0116)

VECC CROSS-EXAMINATION COMPENDIUM – PANEL 5

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Table 1: Customers by Class

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		2009 Board Approved	2009 Actual	2010 Board Approved	2010 Actual	2011 Board Approved	2011 Actual	2012 Board Approved	2012 Actual	2013 Board Approved	2013 Actual	2014 Board Approved	2014 Bridge Year	2015 Test Year	2016 Test Year	2017 Test Year	2018 Test Year	2019 Test Year	
Residential	Customers	611,808	609,439	614,841	616,394	623,406	624,649	n/a	632,147	n/a	606,350	n/a	611,150	612,985	614,819	616,654	618,488	620,322	
Competitive Sector Multi-Unit Residential (CSMUR)	Customers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	36,156	n/a	43,591	54,122	65,384	73,991	83,099	92,706	
GS <50 kW	Customers	66,191	66,074	65,747	65,799	65,792	66,681	n/a	67,401	n/a	68,312	n/a	68,891	69,131	69,266	69,402	69,537	69,673	
GS 50-999 kW	Customers	11,719	12,231	12,276	12,873	13,067	12,845	n/a	12,129	n/a	11,885	n/a	11,957	12,054	12,233	12,412	12,591	12,770	
GS 1000-4999 kW	Customers	530	515	517	509	514	503	n/a	496	n/a	516	n/a	439	440	442	443	444	445	
Large Use	Customers	49	47	47	47	47	50	n/a	52	n/a	52	n/a	48	49	49	50	50	51	
Street Lighting	Devices	162,450	162,219	162,353	162,964	162,777	163,071	n/a	163,210	n/a	163,426	n/a	163,825	164,098	164,371	164,644	164,916	165,189	
Unmetered Scattered Load	Customers	1,135	1,093	1,124	1,107	1,130	1,028	n/a	868	n/a	873	n/a	898	898	898	898	898	898	
	Connections	19,907	21,286	21,782	12,159	21,729	12,499	n/a	11,697	n/a	11,784	n/a	11,720	11,720	11,720	11,720	11,720	11,720	
Total	Customers	691,432	689,399	694,551	696,729	703,956	705,756	n/a	713,093	n/a	724,144	n/a	736,974	749,679	763,091	773,850	785,107	796,865	
	Connections/devices	182,357	183,505	184,336	175,123	184,506	175,570	n/a	174,907	n/a	175,210	n/a	175,545	175,818	176,091	176,364	176,636	176,909	
Notes																			
1. Customer and Connection/Device values are mid-year																			
2. CSMUR rate class implementation date - Jun 01, 2013. Prior years were included in Residential class.																			

THESL: 2015-2019 RATE APPLICATION
CUSTOMER COUNT AND POPULATION

Row	Item	2009	2013	2019
	RESIDENTIAL CUSTOMERS			
1	- Residential (Standard)	609,439	606,350	620,322
2	- CSMUR	n/a	36,156	92,706
3	Total	609,439	642,506	713,028
	GS & LU			
4	- GS<50	66,074	68,312	69,673
5	- GS 50-499	12,231	11,885	12,770
6	- GS 1000-4999	515	516	445
7	- Large Use	47	52	51
8	Total	78,867	80,765	82,939
9	Toronto Population ('000's)	2,139	2,157	2,228

Sources: Rows 1 & 2 and Rows 4-7 - Exhibit 3/Tab 1/Schedule 1, Appendix C-1

Rows 3 & 8 - Totals

Row 9 – Exhibit 3/Tab 1/Schedule 1; Appendix A-1 (June Values for each Year)

**RESPONSES TO VULNERABLE ENERGY CONSUMERS
 COALITION INTERROGATORIES**

1 **INTERROGATORY 31:**

2 **Reference(s):** Tab 1, Schedule 1, page 14 and Appendix C1

- 3
- 4
- 5 a) Please explain more fully how the customer count for each class was “extrapolated”
- 6 from historic levels.
- 7 b) Please explain how the separate customer count forecasts for the Residential and
- 8 CSMUR classes were developed.
- 9 c) Please explain the basis for the 2014 Large Use class customer count.
- 10 d) Please provide the customer count for each class as of June 30, 2014.

11

12

13 **RESPONSE:**

14 a) Customer forecasts are based on linear and non-linear trend models, as well as

15 information on customer reclassification, where available. Different trend models

16 were tested and the models producing the best fit and forecast were used. For the

17 CSMUR class, projections for new customers were based on internal estimates of

18 new and retrofit activities. The following table summarizes the models used for each

19 class.

Customer Class	Model Used
Residential	Linear Trend
CSMUR	Internal Estimates
GS < 50 kW	Linear Trends, plus reclass information
GS 50-999 kW	Combination of Linear and Non-linear trends, plus reclass information
GS 1000-4999 kW	Linear Trend plus reclass information

**RESPONSES TO VULNERABLE ENERGY CONSUMERS
 COALITION INTERROGATORIES**

Customer Class	Model Used
Large Use	Linear Trend plus reclass information
Street-lighting	Linear Trend
Unmetered Scattered Load	Flat forecast

- 1 b) For the purposes of Residential class forecasting, the historic monthly CSMUR.
 2 customers were subtracted from the Residential customer counts (which originally
 3 included CSMUR customers). A linear trend was then applied to the historical
 4 residential customers only. The CSMUR class, as noted in part (a) above, was
 5 forecasted based on internal estimates of new and retrofit activities.
 6
- 7 c) The expected number of large user customers in 2014 is lower than 2013 due to
 8 customer reclassification.
 9
- 10 d) Please see the table below:

Customer class	Number of customers as of June 30, 2014
Residential	609,928
Competitive Sector Multi-Unit Residential	43,022
GS<50 kW	69,078
GS 50-1000 kW	11,852
GS 1-5 kW	447
Large Users	47
Street Lighting (Devices)	163,810
USL (customers)	888
USL (connections)	11,754

1 In terms of allocating the Conservation First target alignment, the effects of new program
2 build-up and then eventual market saturation determined the basic assignment of annual
3 savings. From historical program experience, monthly project application patterns and
4 realized monthly energy savings were calculated and extrapolated for the forecast.
5 Furthermore, conservation and efficiency measure persistence has been applied, which is
6 shown to limit the increase of the cumulative conservation totals year after year.

7
8 The result of the factors mentioned above produces a CDM energy reduction forecast,
9 with the anticipated end result being a significant step towards realizing the Conservation
10 First target of nearly 1.5 TWh by 2020. It is anticipated that Toronto Hydro will be /C
11 equipped with the resources to achieve this level of achievement, as is expected with the
12 current suite of programming and the saveONenergy targets that are on track and nearing
13 a close.

14
15 Historical and estimated CDM savings used in the load forecast are “gross” numbers and
16 hence, include “free riders”. Toronto Hydro believes that “gross” CDM savings are the
17 correct values to apply in to the load forecast used to determine billing units. With
18 respect to future lost revenue adjustment mechanism variance account (“LRAMVA”)
19 however, it is Toronto Hydro’s understanding that the CDM applied in this forecast will
20 be the basis for the LRAMVA and that the LRAMVA balance will reflect the difference
21 between estimated and actual CDM savings on a net basis.

22
23 Tables 4 and 5 represent the summaries of the cumulative forecast CDM consumption
24 and demand impacts by class used for establishing the load forecast (net of CDM).

**RESPONSES TO VULNERABLE ENERGY CONSUMERS
COALITION INTERROGATORIES**

- 1 e) Toronto Hydro believes that “gross“ historical and estimated CDM savings are the
2 correct values to apply in to the load forecast, because it represents the real impact on
3 the load used to develop the rates used to collect the Revenue Requirement.
4
- 5 f) Toronto Hydro has not undertaken load forecast analysis using Net CDM values.
6
- 7 g) Please refer to the attached data file: 3_VECC_22G.xlsx.

1 determined by applying the proposed distribution rates to the rate class billing
2 determinants for the forecast period.

3

4

5 3. kWh LOAD FORECAST

6

7 3.1. Multivariate Regression Model

8 The process of developing a model of energy usage involves estimating multifactor
9 models using different input variables to determine the best fit. Different models were fit
10 based on *a priori* assumptions about which input variables impact energy use. Using
11 stepwise regression techniques, numerous explanatory variables were tested with the
12 ultimate model being determined based on model statistics and judgement.

13

14 Models are developed for each rate class separately. This methodology allows for greater
15 detail in modelling loads, and allows for the different interactions to be modelled
16 independently. All of the regression models use monthly kWh per day as the dependent
17 variable, and monthly values of independent variables from July, 2002 through to the
18 latest actual values (December 2013) to determine the monthly regression coefficients.

19

20 The main drivers of the energy consumption over time are weather, energy conservation
21 activities – both program and natural related, as well as calendar, economic and
22 demographic conditions. While load impacts related to the CDM program activities are
23 explicitly taken into account prior to and after the modelling (see section below on CDM
24 forecast), the remainder of the effects are captured through the multivariate regression
25 model.

26

27 The primary driver of consumption within years remains weather. Weather impacts on
28 load are apparent in both the winter heating season, and in the summer cooling season.

Residential Model	Dependent Variable: RES_DAY				
	Method: Least Squares				
	Date: 08/12/14 Time: 20:24				
	Sample: 2002M07 2013M12				
	Included observations: 138				
	White Heteroskedasticity-Consistent Standard Errors & Covariance				
	Variable	Coefficient	Std. Error	t-Statistic	Prob.
	HDD10_DAY	302,597	7,880	38.40	0.000
	CDD18_DAY	988,532	28,208	35.04	0.000
	POP	3,056	2,636	1.16	0.248
	TREND_JUL2002	-8,776	2,402	-3.65	0.000
	BLACKOUT	-1,373,181	107,914	-12.72	0.000
	C	6,831,461	5,437,571	1.26	0.211
	R-squared	93.9%	Mean dependent var		15,259,740.16
	Adjusted R-squared	93.7%	S.D. dependent var		1,732,538.26
S.E. of regression	434,365.9	Akaike info criterion		28.84	
Sum squared resid	24,904,933,065,819	Schwarz criterion		28.97	
Log likelihood	-1,984.2	Hannan-Quinn criter.		28.90	
F-statistic	409.5	Durbin-Watson stat		1.61	
Prob(F-statistic)	0.0000				

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GS<50 kW Model	Dependent Variable: LESS50_DAY				
	Method: Least Squares				
	Date: 08/12/14 Time: 20:39				
	Sample: 2002M07 2013M12				
	Included observations: 138				
	White Heteroskedasticity-Consistent Standard Errors & Covariance				
	Variable	Coefficient	Std. Error	t-Statistic	Prob.
	HDD10_DAY	113,063	7,478	15.12	0.000
	CDD18_DAY	268,654	19,496	13.78	0.000
	DEW	29,000	6,721	4.32	0.000
	TREND_JUL2002_2	-8,891	475	-18.72	0.000
	UNEMPL_RATE	-33,141	12,958	-2.56	0.012
	CUST_NUMBERS	127	22	5.82	0.000
	BLACKOUT	-410,229	32,739	-12.53	0.000
	C	-1,727,230	1,478,108	-1.17	0.245
R-squared	93.4%	Mean dependent var		6,910,366.12	
Adjusted R-squared	93.0%	S.D. dependent var		616,035.94	
S.E. of regression	162,615.8	Akaike info criterion		26.89	
Sum squared resid	3,437,708,167,740	Schwarz criterion		27.06	
Log likelihood	-1,847.6	Hannan-Quinn criter.		26.96	
F-statistic	262.3	Durbin-Watson stat		1.39	
Prob(F-statistic)	0.0000				

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GS 50-999 kW Model	Dependent Variable: GS350_DAY				
	Method: Least Squares				
	Date: 08/12/14 Time: 20:44				
	Sample: 2002M07 2013M12				
	Included observations: 138				
	White Heteroskedasticity-Consistent Standard Errors & Covariance				
	Variable	Coefficient	Std. Error	t-Statistic	Prob.
	HDD10_DAY	454,377	21,828	20.82	0.000
	CDD18_DAY	948,400	42,376	22.38	0.000
	BUS_DAYS_PERCENT	31,430	11,310	2.78	0.006
	DEW	122,744	18,918	6.49	0.000
	CUST_NUMBERS	969	58	16.79	0.000
	UNEMPL_RATE	-68,381	36,726	-1.86	0.065
	BLACKOUT	-1,878,717	124,937	-15.04	0.000
	C	11,919,161	1,001,752	11.90	0.000
R-squared	95.5%	Mean dependent var	28,646,861.58		
Adjusted R-squared	95.2%	S.D. dependent var	1,979,443.79		
S.E. of regression	431,665.8	Akaike info criterion	28.84		
Sum squared resid	24,223,602,166,814	Schwarz criterion	29.01		
Log likelihood	-1,982.3	Hannan-Quinn criter.	28.91		
F-statistic	393.0	Durbin-Watson stat	1.20		
Prob(F-statistic)	0.0000				

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GS 1000-4999 kW Model	Dependent Variable: GS450_DAY Method: Least Squares Date: 08/12/14 Time: 20:52 Sample: 2002M07 2013M12 Included observations: 138 White Heteroskedasticity-Consistent Standard Errors & Covariance				
	Variable	Coefficient	Std. Error	t-Statistic	Prob.
	HDD10_DAY	187,930	14,713	12.77	0.000
	CDD18_DAY	305,932	35,048	8.73	0.000
	BUS_DAYS_PERCENT	54,716	8,299	6.59	0.000
	DEW	117,789	12,913	9.12	0.000
	CUST_NUMBERS	10,208	2,246	4.55	0.000
	UNEMPL_RATE	-142,025	19,082	-7.44	0.000
	BLACKOUT	-886,383	82,964	-10.68	0.000
	C	5,033,665	1,355,284	3.71	0.000
	R-squared	87.7%	Mean dependent var		14,425,799.09
	Adjusted R-squared	87.0%	S.D. dependent var		835,816.52
	S.E. of regression	300,936.5	Akaike info criterion		28.12
	Sum squared resid	11,773,157,487.626	Schwarz criterion		28.29
	Log likelihood	-1,932.5	Hannan-Quinn criter.		28.19
F-statistic	132.4	Durbin-Watson stat		1.26	
Prob(F-statistic)	0.0000				

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Large Use Model	Dependent Variable: LU_DAY				
	Method: Least Squares				
	Date: 08/12/14 Time: 20:55				
	Sample: 2002M07 2013M12				
	Included observations: 138				
	White Heteroskedasticity-Consistent Standard Errors & Covariance				
	Variable	Coefficient	Std. Error	t-Statistic	Prob.
	HDD10_DAY	85,249	10,902	7.82	0.000
	CDD18_DAY	143,786	25,967	5.54	0.000
	BUS_DAYS_PERCENT	19,744	7,025	2.81	0.006
	DEW	51,924	9,428	5.51	0.000
	CUST	40,422	13,206	3.06	0.003
	TREND_JUL2002_2	-6,560	721	-9.09	0.000
	BLACKOUT	-473,165	67,682	-6.99	0.000
	C	3,488,893	824,306	4.23	0.000
R-squared	75.5%	Mean dependent var	7,170,595.24		
Adjusted R-squared	74.2%	S.D. dependent var	478,171.03		
S.E. of regression	242,837.8	Akaike info criterion	27.69		
Sum squared resid	7,666,124,475,923	Schwarz criterion	27.86		
Log likelihood	-1,902.9	Hannan-Quinn criter.	27.76		
F-statistic	57.3	Durbin-Watson stat	1.38		
Prob(F-statistic)	0.0000				

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EXTRACTS OF NET CDM MODELS
PROVIDED IN 3 VECC 22G.xlsx

Residential					
Dependent Variable: RES_DAY_NET_CDM					
Method: Least Squares					
Date: 10/20/14 Time: 12:30					
Sample: 2002M07 2013M12					
Included observations: 138					
White Heteroskedasticity-Consistent Standard Errors & Covariance					
Variable	Coefficient	Std. Error	t-Statistic	Prob.	
HDD10_DAY	298,866	7,169.87	41.68	0.0000	
CDD18_DAY	967,090	26,240.55	36.85	0.0000	
POP	3,380	2,396.28	1.41	0.1607	
TREND_JUL2002	-12,032	2,139.91	-5.62	0.0000	
BLACKOUT	-1,342,019	100,554.44	-13.35	0.0000	
C	6,264,354	4,943,354.11	1.27	0.2073	
R-squared	94.8%	Mean dependent var	15,110,889.44		
Adjusted R-squared	94.6%	S.D. dependent var	1,727,383.093		
S.E. of regression	400840.3106	Akaike info criterion	28.683		
Sum squared resid	2.12088E+13	Schwarz criterion	28.810		
Log likelihood	-1,973.128285	Hannan-Quinn criter.	28.735		
F-statistic	482.444532	Durbin-Watson stat	1.628		
Prob(F-statistic)	0.00000				

GS<50 kW model				
Dependent Variable: LESS50_DAY_NET_CDM				
Method: Least Squares				
Date: 10/20/14 Time: 12:54				
Sample: 2002M07 2013M12				
Included observations: 138				
White Heteroskedasticity-Consistent Standard Errors & Covariance				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
HDD10_DAY	101,789	7497.072557	13.57715861	0.0000
CDD18_DAY	268,531	19313.22178	13.90402355	0.00000
DEW	22,128	6625.147089	3.339979176	0.00109
TREND_SPLINE_2002	-11,751	466.3308647	-25.19940108	0.00000
UNEMPL_RATE	-51,324	13022.11551	-3.941259696	0.00013
CUST_NUMBERS	51	17.26363525	2.978419964	0.00346
BLACKOUT	-385,012	32308.21997	-11.91684874	0.00000
C	3,666,383	1154250.516	3.176418578	0.00186
R-squared	94.5%	Mean dependent var		6817212.41
Adjusted R-squared	94.2%	S.D. dependent var		642164.34
S.E. of regression	154680.19	Akaike info criterion		26.79
Sum squared resid	311037504407133%	Schwarz criterion		26.96
Log likelihood	-1840.670759	Hannan-Quinn criter.		26.86
F-statistic	3.19E+02	Durbin-Watson stat		1.025349341
Prob(F-statistic)	0.00000			

GS 50-1000 kW model					
Dependent Variable: GS350_DAY_NET_CDM					
Method: Least Squares					
Date: 10/20/14 Time: 12:58					
Sample: 2002M07 2013M12					
Included observations: 138					
White Heteroskedasticity-Consistent Standard Errors & Covariance					
Variable	Coefficient	Std. Error	t-Statistic	Prob.	
HDD10_DAY	446,720	19195.628	23.27	0.000	
CDD18_DAY	940,664	33835.69688	27.80	0.000	
BUS_DAYS_PERCENT	35,405	9492.194294	3.73	0.000	
DEW	117,850	16353.44199	7.21	0.000	
CUST_NUMBERS	845	50.87204899	16.62	0.000	
UNEMPL_RATE	-80,259	30,422	2.64	0.009	
BLACKOUT	-1,802,204	107,803	16.72	0.000	
C	13,150,101	862,888	15.24	0.000	
R-squared	0.965427578	Mean dependent var		28530661.4	
Adjusted R-squared	0.963565986	S.D. dependent var		1920089.28	
S.E. of regression	366500.8033	Akaike info criterion		28.51761184	
Sum squared resid	1.7462E+13	Schwarz criterion		28.68730771	
Log likelihood	-1959.715217	Hannan-Quinn criter.		28.58657205	
F-statistic	5.19E+02	Durbin-Watson stat		1.39426286	
Prob(F-statistic)	1.05E-91				

GS 1-5 MW model					
Dependent Variable: GS450_DAY_NET_CDM					
Method: Least Squares					
Date: 10/20/14 Time: 13:03					
Sample: 2002M07 2013M12					
Included observations: 138					
White Heteroskedasticity-Consistent Standard Errors & Covariance					
Variable	Coefficient	Std. Error	t-Statistic	Prob.	
HDD10_DAY	183,314	16225.7903	11.29772205	0.000	
CDD18_DAY	305,486	40180.57826	7.602815945	0.000	
BUS_DAYS_PERCENT	57,978	8918.838001	6.50063275	0.000	
DEW	116,143	14136.49132	8.215826216	0.000	
CUST_NUMBERS	9,418	2411.456487	3.905387702	0.000	
UNEMPL_RATE	-187,697	20578.50407	-9.121013079	0.000	
BLACKOUT	-739,071	89765.87778	-8.233319643	0.000	
C	5,540,429	1470134.617	3.768654371	0.000	
R-squared	85.45%	Mean dependent var		14331344.49	
Adjusted R-squared	84.67%	S.D. dependent var		839235.0343	
S.E. of regression	328580.1102	Akaike info criterion		28.29917177	
Sum squared resid	1.40354E+13	Schwarz criterion		28.46886763	
Log likelihood	-1944.642852	Hannan-Quinn criter.		28.36813197	
F-statistic	109.1039623	Durbin-Watson stat		1.078468436	
Prob(F-statistic)	0.000000				

Large Users model

Dependent Variable: LU_DAY_NET_CDM

Method: Least Squares

Date: 10/20/14 Time: 13:07

Sample: 2002M07 2013M12

Included observations: 138

White Heteroskedasticity-Consistent Standard Errors & Covariance

Variable	Coefficient	Std. Error	t-Statistic	Prob.
HDD10_DAY	75,170	10530.71912	7.14	0.0000
CDD18_DAY	141,095	24139.0518	5.85	0.0000
BUS_DAYS_PERCENT	20,196	6855.034146	2.95	0.0038
DEW	44,983	8925.644265	5.04	0.0000
CUST	17,295	12920.60244	1.34	0.1830
TREND_SPLINE_2010 -	8,441	743 -	11.36	0.0000
BLACKOUT -	481,117	64537.85714 -	7.45	0.0000
C	4,680,280	793727.602	5.90	0.0000

R-squared	77.72%	Mean dependent var	7080906.116
Adjusted R-squared	76.52%	S.D. dependent var	489940.9361
S.E. of regression	237401.0814	Akaike info criterion	27.64911249
Sum squared resid	7.32671E+12	Schwarz criterion	27.81880836
Log likelihood	-1899.788762	Hannan-Quinn criter.	27.7180727
F-statistic	64.78605521	Durbin-Watson stat	1.279175983
Prob(F-statistic)	0.00000		

**RESPONSES TO VULNERABLE ENERGY CONSUMERS
COALITION INTERROGATORIES**

1 **INTERROGATORY 32:**

2 **Reference(s):** Exhibit 3, Tab 1, Schedule 1, page 12

3

4

- 5 a) Is THESL aware of any other Ontario electricity distributor that has based its load
6 forecast CDM adjustments on estimates of “gross” CDM savings?
- 7 b) Please explain why, if the CDM adjustments made by THESL are based on “gross”
8 CDM savings the LRAMVA should only be based on “net” CDM savings.
- 9 c) For each of the years 2015-2019 please set out THESL’s proposal, by customer class,
10 for the CDM savings (kWh or kW as applicable) that it views should be used as the
11 basis for calculating the LRAMVA.

12

13

14 **RESPONSE:**

- 15 a) Toronto Hydro does not know whether other electricity distributors use net or gross
16 savings for the purposes of their distribution load forecasts. Toronto Hydro maintains
17 that the load forecast that is used to determine distribution rates most appropriately
18 includes gross CDM savings, since these will contribute to the loads that the
19 distributor ultimately charges rates on.
- 20
- 21 b) Toronto Hydro believes that LRAMVA savings should properly be based on gross
22 CDM savings, and in a previous LRAM application provided its LRAM amounts on
23 that basis. However, Toronto Hydro also understands that the LRAMVA guidelines
24 clearly indicate that LRAMVA is to be based on net CDM savings, and accepts that
25 for the purposes of LRAMVA claims. However, Toronto Hydro maintains that for

RESPONSES TO VULNERABLE ENERGY CONSUMERS COALITION INTERROGATORIES

- 1 the purposes of load forecasts used to develop distribution rates, gross CDM savings
 2 are most appropriately reflected in the forecast.
- 3 c) The table below shows the “net” incremental CDM estimates, which correspond with
 4 the gross CDM amounts used in the load forecast.

Customer Class	2015		2016		2017		2018		2019	
	MWh	MW	MWh	MW	MWh	MW	MWh	MW	MWh	MW
Residential	7,114		25,586		48,299		74,624		98,349	
CSMUR	144		522		987		1,528		2,016	
GS <50 kW	15,220		55,011		104,079		161,060		212,478	
GS 50-999 kW		73.1		238.2		417.2		588.4		736.2
GS 1000-4999 kW		19.8		64.4		112.8		159.1		199.1
Large Use		19.1		62.1		108.9		153.5		192.1
Total	22,479	112.0	81,119	364.7	153,366	638.9	237,213	901.0	312,843	1,127.4

**TECHNICAL CONFERENCE UNDERTAKING RESPONSE TO
VULNERABLE ENERGY CONSUMERS COALITION**

1 **UNDERTAKING NO. J2.28-VECC-74:**

2 **Reference(s):** VECC – 32 c)

3 **Exhibit 3**

4

5

6 a) Please provide a revised version of the table which includes the kWh values for all
7 classes for each year 2015-2019.

8 b) What program years' impacts are reflected in the net incremental CDM estimates
9 provided (e.g., is it all program years from 2006, just those from 2014 or those for
10 some other point in time)?

11 c) Please provide a table which sets out the gross CDM values by class and year
12 equivalent to those provided in the response.

13

14

15 **RESPONSE:**

16 a) The revised version of the table (see Table 1) below includes the proposed "net"
17 CDM MWh values for all classes from 2015 to 2019.

18

19 b) The proposed "net" CDM savings from 2015 to 2019 include impacts from the
20 2015 CDM programs and onwards.

21

22 c) The table below (see Table s) shows the "gross" CDM MWh values by class,
23 equivalent to part (a).

RESPONSES TO VULNERABLE ENERGY CONSUMERS COALITION TECHNICAL CONFERENCE QUESTIONS

1 **Table 1:**

Customer Class	2015		2016		2017		2018		2019	
	MWh	MW	MWh	MW	MWh	MW	MWh	MW	MWh	MW
Residential	7,114		25,586		48,299		74,624		98,349	
CSMUR	144		522		987		1,528		2,016	
GS <50 kW	15,220		55,011		104,079		161,060		212,478	
GS 50-999 kW	34,830	73.1	125,815	238.2	237,977	417.2	368,197	588.4	485,685	736.2
GS 1000-4999 kW	9,552	19.8	34,450	64.4	65,117	112.8	100,699	159.1	132,790	199.1
Large Use	6,718	19.1	23,799	62.1	44,616	108.9	68,597	153.5	90,126	192.1
Total	73,579	112.0	265,183	364.7	501,075	638.9	774,705	901.0	1,021,445	1,127.4

2 **Table 2:**

Customer Class	2015		2016		2017		2018		2019	
	MWh	MW	MWh	MW	MWh	MW	MWh	MW	MWh	MW
Residential	9,615		35,403		66,488		100,104		130,342	
CSMUR	156		724		1,361		2,051		2,673	
GS <50 kW	20,644		76,270		143,467		216,238		281,759	
GS 50-999 kW	47,225	99.5	174,397	317.7	327,985	565.8	494,288	827.9	644,004	1,062.1
GS 1000-4999 kW	12,938	26.9	47,723	85.9	89,708	153.0	135,148	223.9	176,044	287.2
Large Use	8,996	26.0	32,729	82.9	61,152	147.6	91,776	216.0	119,230	277.1
Total	99,619	152.4	367,246	486.5	690,170	866.5	1,039,606	1,267.8	1,354,052	1,626.5

Panel: Revenue Requirement, Rates and Deferral and Variance Accounts

1 **Table 6: 2014-2019 Total Gross Forecast CDM Consumption Impact, MWh**

	2014	2015	2016	2017	2018	2019
2014 CDM Forecast	92,021	227,454	224,889	219,698	211,783	200,718
2015 CDM Forecast		99,619	246,300	243,546	237,924	229,353
2016 CDM Forecast			120,946	298,801	295,377	288,559
2017 CDM Forecast				147,823	365,202	359,874
2018 CDM Forecast					141,104	348,601
2019 CDM Forecast						127,665
Total	92,021	327,073	592,135	909,868	1,251,390	1,554,770

/C

2 **Table 7: 2014-2019 Total Gross Forecast CDM Demand Impact, MW**

	2014	2015	2016	2017	2018	2019
2014 CDM Forecast	120.11	253.80	250.34	242.59	232.87	217.67
2015 CDM Forecast		152.36	321.97	317.58	307.75	295.42
2016 CDM Forecast			164.57	347.77	343.03	332.40
2017 CDM Forecast				201.14	425.05	419.26
2018 CDM Forecast					192.00	405.73
2019 CDM Forecast						173.71
Total	120.11	406.16	736.88	1,109.08	1,500.70	1,844.19

/C

3 **6. CUSTOMER FORECAST**

4 The forecast of new customers for all classes is primarily based on extrapolation models
 5 for each rate class. Customer additions in the company's operating area have been fairly
 6 flat over recent history, with the exception of the customers from the newly classified
 7 CSMUR rate class (implemented on June 1, 2013), whose rate of growth has been
 8 increasing as a result of Toronto Hydro's suite metering activities. Historically, CSMUR
 9 customers were included in the Residential rate class. With the establishment of the new
 10 CSMUR class, historical Residential customers that fall under a current definition of
 11 CSMUR class were identified, excluded from the Residential class, and forecasted
 12 independently. The detailed forecast of customers by rate class is found in Exhibit 3, Tab
 13 1, Schedule 1, Appendix C-1.

**TECHNICAL CONFERENCE UNDERTAKING RESPONSE TO
VULNERABLE ENERGY CONSUMERS COALITION**

1 **UNDERTAKING NO. J2.28-VECC-79:**

2 **Reference(s): Exhibit 7**
3 **VECC – 53**

4
5
6 Preamble: The response identifies a number of corrections to the Cost Allocation Model
7 (CAM) as filed in September 2014.

8
9 a) Please provide an updated CAM reflecting the various corrections that THFSI has
10 noted as being required, either in response to this interrogatory or elsewhere in its IR
11 responses. In conjunction with the updated model please provide a summary listing
12 of the corrections incorporated.

13 b) Please provide an updated version of Appendix 2-P, parts A-D.

14
15
16 **RESPONSE:**

17 An updated CAM (in electronic format) and Appendix 2-P are attached as Appendices A
18 and B, respectively, to this reply.

OEB Appendix 2-P Cost Allocation

Please complete the following four tables.

A) Allocated Costs

Classes	Costs Allocated from Previous Study	%	Costs Allocated in Test Year Study (Column 7A)	%
Residential	\$ 256,839,427	46.86%	\$ 299,298,202	42.32%
GS < 50 kW	\$ 74,280,097	13.55%	\$ 102,571,632	14.50%
GS 50-999 kW	\$ 136,457,707	24.90%	\$ 164,890,991	23.31%
GS 1000-4999 kW	\$ 38,493,073	7.02%	\$ 58,232,948	8.23%
Large User	\$ 20,035,803	3.66%	\$ 32,133,442	4.54%
Street Lighting	\$ 17,331,487	3.16%	\$ 25,838,237	3.65%
Unmetered Scattered Load (USL)	\$ 4,627,832	0.84%	\$ 4,426,739	0.63%
Competitive Sector Multi-Unit Residential (New Rate Class in 2013)		0.00%	\$ 19,891,011	2.81%
		0.00%		0.00%
Embedded distributor class		0.00%		0.00%
Total	\$ 548,065,426	100.00%	\$ 707,283,202	100.00%

Notes

1 Customer Classification - If proposed rate classes differ from those in place in the previous Cost Allocation study, modify the rate classes to match the current application as closely as possible.

2 Host Distributors - Provide information on embedded distributor(s) as a separate class, if applicable. If embedded distributor(s) are billed as customers in a General Service class, include the allocated cost and revenue of the embedded distributor(s) in the applicable class. Also complete Appendix 2-Q.

3 Class Revenue Requirements - If using the Board-issued model, in column 7A enter the results from Worksheet O-1, Revenue Requirement (row 40 in the 2013 model). This excludes costs in deferral and variance accounts. Note to Embedded Distributor(s), it also does not include Account 4750 - Low Voltage (LV) Costs.

B) Calculated Class Revenues

Classes (same as previous table)	Column 7B	Column 7C	Column 7D	Column 7E
	Load Forecast (LF) X current approved rates	L.F. X current approved rates X (1 + d)	LF X proposed rates	Miscellaneous Revenue
Residential	\$ 214,465,673	\$ 261,590,715	\$ 264,480,298	\$ 18,999,842
GS < 50 kW	\$ 69,430,402	\$ 84,686,506	\$ 86,224,669	\$ 7,926,793
GS 50-999 kW	\$ 158,177,191	\$ 188,618,199	\$ 188,618,199	\$ 6,336,460
GS 1000-4999 kW	\$ 52,894,930	\$ 58,138,327	\$ 58,138,327	\$ 882,921
Large User	\$ 27,857,584	\$ 30,150,985	\$ 30,406,573	\$ 327,737
Street Lighting	\$ 12,284,580	\$ 14,983,900	\$ 12,284,599	\$ 8,844,833
Unmetered Scattered Load (USL)	\$ 2,673,863	\$ 3,261,398	\$ 3,353,795	\$ 567,146
Competitive Sector Multi-Unit Residential (New Rate Class in 2013)	\$ 17,001,339	\$ 20,737,083	\$ 18,660,652	\$ 1,230,359
Embedded distributor class				
Total	\$ 554,785,562	\$ 662,167,112	\$ 662,167,112	\$ 45,116,090

Notes:

- Columns 7B to 7D - LF means Load Forecast of Annual Billing Quantities (i.e. customers or connections X 12, (kWh or kW, as applicable). Revenue Quantities should be net of Transformer Ownership Allowance. Exclude revenue from rate adders and rate riders.
- Columns 7C and 7D - Column total in each column should equal the Base Revenue Requirement
- Columns 7C - The Board cost allocation model calculates "1+d" in worksheet O-1, cell C21. "d" is defined as Revenue Deficiency/ Revenue at Current Rates.
- Columns 7E - If using the Board-issued Cost Allocation model, enter Miscellaneous Revenue as it appears in Worksheet O-1, row 19.

C) Rebalancing Revenue-to-Cost (R/C) Ratios

Class	Previously Approved Ratios	Status Quo Ratios	Proposed Ratios	Policy Range
	Most Recent Year: 2011	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
	%	%	%	%
Residential	89%	94	95	85 - 115
GS < 50 kW	97%	90	92	80 - 120
GS 50-999 kW	118%	118	118	80 - 120
GS 1000-4999 kW	124%	101	101	80 - 120
Large User	116%	95	96	85 - 115
Street Lighting	71%	92	82	70 - 120
Unmetered Scattered Load (USL)	82%	86	89	80 - 120
Competitive Sector Multi-Unit Residential (New Rate Class in 2013)		110	100	85-115
Embedded distributor class				

Notes

1 Previously Approved Revenue-to-Cost Ratios - For most applicants, Most Recent Year would be the third year of the IRM 3 period, e.g. if the applicant rebased in 2009 with further adjustments over 2 years, the Most recent year is 2011. For applicants whose most recent rebasing year is 2006, the applicant should enter the ratios from their Informational Filing.

2 Status Quo Ratios - The Board's updated Cost Allocation Model yields the Status Quo Ratios in Worksheet O-1. Status Quo means "Before

D) Proposed Revenue-to-Cost Ratios

Class	Proposed Revenue-to-Cost Ratios			Policy Range
	0	1	2	
	%	%	%	%
Residential	95			85 - 115
GS < 50 kW	92			80 - 120
GS 50-999 kW	118			80 - 120
GS 1000-4999 kW	101			80 - 120
Large User	96			85 - 115
Street Lighting	82			70 - 120
Sentinel Lighting				80 - 120
Unmetered Scattered Load (USL)	89			80 - 120
Competitive Sector Multi-Unit Residential (New Rate Class in 2013)	100			85-115
				0
Embedded distributor class				

Note

1 The applicant should complete Table D if it is applying for approval of a revenue to cost ratio in 2014 that is outside the Board's policy range for any customer class. Table (d) will show the information that the distributor would likely enter in the IRM model) in 2014. In 2015 Table (d), enter the planned ratios for the classes that will be 'Change' and 'No Change' in 2014 (in the current Revenue Cost Ratio Adjustment Workform, Worksheet C1.1 'Decision - Cost Revenue Adjustment', column d), and enter TBD for class(es) that will be entered as 'Rebalance'.

1 **Table 2: Revenue / Cost Ratios (%)**

Rate Class	2011 OEB Approved	2015		OEB's Guideline Ranges
		Model	Proposed	
Residential	89	94	94	85-115
Competitive Sector Multi-Unit Residential		110	100	
General Service <50kW	97	90	92	80-120
General Service 50-999kW	118	119	119	80-120
Intermediate 1000-4999kW	124	102	102	80-120
Large Use	116	95	96	85-115
Streetlighting	71	92	82	70-120
Unmetered Scattered Load	82	87	89	80-120

} /C

2 The proposed Revenue to Cost ratios for all THESL rate classes are within the OEB's
 3 "target ranges".

4
 5 With respect to the CSMUR class, as directed in the EB-2010-1042 decision, Toronto
 6 Hydro has adjusted rates to this class to make the revenue-to-cost ratio equal to unity.
 7 This ensures that this class is recovering its fully allocated costs.

8
 9 With respect to the Streetlighting class, rates for this class were maintained at the same
 10 level as 2014. As is explained in more detail in Exhibit 8, Tab 1, Schedule 1, the cost
 11 allocation model with respect to the Streetlighting class is subject to further OEB review.
 12 Until such time as that review is complete, and given that rates to this class since 2006
 13 have risen substantially due to the implementation of the existing cost allocation model,
 14 Toronto Hydro believes it is not appropriate to set rates for 2015 based on the current cost
 15 allocation model.

16

**RESPONSES TO VULNERABLE ENERGY CONSUMERS
 COALITION INTERROGATORIES**

1 **INTERROGATORY 55:**

2 **Reference(s):** Exhibit 7, Tab 2, Schedule 1, pp. 2-3

3

4

5 a) Please explain how the revenue deficiency from reducing the CSMUR R/C ratio to
 6 100% and holding the Street Light rates at 2014 levels was assigned to the remaining
 7 customer classes in order to yield the results set out in parts (B) and (C).

8 b) Please provide an alternative version of parts (B) and (C) where the R/C ratio for
 9 Street Light is maintained at 104%.

10

11

12 **RESPONSE:**

13 a) The allocator for redistribution of revenue deficiency is the revenue shortfall from the
 14 rate classes that are below a 100% Revenue to Cost Ratio in the OEB's Cost
 15 Allocation Model.

	Revenue Shortfall from COS Model	% of Total Shortfall
RESIDENTIAL	\$(19,911,971)	62%
GS < 50 kW	(10,408,329)	32%
LARGE USER	(1,537,315)	5%
SMALL SCATTER LOAD	(433,423)	1%
Total	(32,291,040)	100%

**RESPONSES TO VULNERABLE ENERGY CONSUMERS
 COALITION INTERROGATORIES**

1 The revenue deficiency from maintaining the CSMUR class at 100% and holding
 2 Street lighting rates constant – an amount of \$4.1M – is redistributed based on the
 3 class percentages derived from the above table.

	<u>Rev Recovery</u>
RESIDENTIAL	\$2,520,965
GS < 50 kW	\$1,317,751
LARGE USER	\$194,633
SMALL SCATTER LOAD	\$54,874
	<u>\$4,088,222</u>

4 b) An alternative version of Tables (B) and (C), where the revenue to cost ratio for the
 5 Street Lighting class is maintained at 104%, is attached as Appendix A to this
 6 response.

1 Tariff Schedules for the Bridge and Test Years are shown in Exhibit 8, Tab 3, Schedules
 2 1 through 3. Exhibit 8, Tab 7, Schedule 1 shows the bill impacts for customers in each
 3 rate class for various levels of billing units.

4
 5 The proposed rate changes primarily reflect THESL's increase in revenue requirement
 6 and the results of applying the OEB's Cost Allocation model.

7
 8 A summary of the bill impacts (including all rate riders) arising from the utility's
 9 proposals is shown in Table 1 below.

10
 11 **Table 1: Bill Impacts – change in monthly bill (total bill before tax & OCEB)**

	Change in Bill	2015 Proposed	2016 Proposed	2017 Proposed	2018 Proposed	2019 Proposed
Residential	\$/30 days	\$3.28	\$2.64	\$3.36	\$5.30	\$1.71
	%	2.5%	1.9%	2.4%	3.7%	1.2%
Competitive Sector Multi-Unit Residential	\$/30 days	\$0.52	\$1.72	\$2.60	\$3.21	\$1.10
	%	0.8%	2.5%	3.6%	4.3%	1.4%
General Service <50 kW	\$/30 days	\$8.76	\$4.47	\$2.30	\$10.90	\$4.95
	%	2.7%	1.3%	0.7%	3.2%	1.4%
General Service 50-999 kW	\$/30 days	\$299.67	\$146.69	\$227.87	\$341.13	\$178.95
	%	1.4%	0.7%	1.0%	1.5%	0.8%
General Service 1,000-4,999 kW	\$/30 days	\$899.33	\$749.79	\$948.94	\$1,292.46	\$688.28
	%	0.8%	0.7%	0.8%	1.1%	0.6%
Large Use	\$/30 days	\$5,225.61	\$4,375.61	\$5,301.20	\$7,166.52	\$3,845.26
	%	0.8%	0.7%	0.8%	1.1%	0.6%
Street Lighting	\$/30 days	-\$0.56	\$0.45	\$0.56	\$0.83	\$0.41
	%	-4.1%	3.5%	4.2%	5.9%	2.8%
Unmetered Scattered Load	\$/30 days	\$4.50	\$2.07	\$3.17	\$4.16	\$2.30
	%	6.4%	2.8%	4.1%	5.2%	2.7%

IC

1 **Table 2: Monthly Fixed Charge**

	Residential	CSMUR	GS<50 kW	GS 50-999 kW	GS 1000-4999 kW	Large Use	Streetlighting	USL
CA Model Floor	4.24	3.40	13.78	43.31	82.72	-35.83	0.23	9.53
CA Model Ceiling	19.34	9.32	31.66	86.22	244.36	210.01	10.53	19.32
Current (2014)	18.63	17.35	24.80	36.29	700.68	3,071.47	1.32	4.94
Proposed (2015)	22.72	18.90	30.43	43.63	831.65	3,668.99	1.32	6.12

} /C

2 The proposed fixed rate for the Residential, CSMUR, GS 1000-4999 kW, and Large Use
 3 classes is above the model calculated ceiling. For the Residential and CSMUR classes,
 4 this is a result of changes in inputs to the Cost Allocation model as well as maintaining
 5 the fixed variable split at current levels. For the GS 1000-4999 kW and Large Use
 6 classes, the fixed charge has been above the ceiling rate since information from the Cost
 7 Allocation model has been provided in 2006. Toronto Hydro notes that the proportion of
 8 total revenue recovered through the fixed rate for the GS 1000-4999 kW and Large Use
 9 classes is less than 10%.

10

11 **2.5. Transformer Allowance**

12 THESL is not proposing to change its current transformer allowance credit in this
 13 application. The rate provided to customers that own their own transformation facilities
 14 will remain at \$0.62/kVA per 30 days.

15

16 **2.6. Billing Determinants**

17 Toronto Hydro is not proposing any changes to the currently approved billing
 18 determinants for any customer class. Customers will continue to be billed on a 30-day
 19 fixed portion and on a kVA or kWh variable portion. For the Unmetered Scattered Load

Appendix 2-W
 Bill Impacts

Customer Class: RESIDENTIAL SERVICE

TOU / non-TOU: TOU

Consumption: 800 kWh May 1 - October 31 November 1 - April 30 (Select this radio button for applications filed after Oct 31)

Charge Unit	Current Board-Approved			2015 Proposed			Impact		2016 Proposed			Impact		2017 Proposed			Impact		2018 Proposed			Impact		2019 Proposed			Impact		
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	
Service Charge	18.63	1	18.63	22.72	1	22.72	4.09	21.95%	23.84	1	23.84	1.12	4.93%	25.91	1	25.91	2.07	8.68%	27.75	1	27.75	1.84	7.10%	29.25	1	29.25	1.50	5.41%	
Rate Rider for Recovery of 2008-2010 Smart Meter Costs	0.08	1	0.08	0.08	1	0.08	-	0.00%	0.08	1	0.08	-	0.00%	-	1	-	-	0.00%	-	1	-	-	-	-	-	-	-	-	-
Rate Rider for Recovery of Incremental Smart Meter Revenue Requirement	0.67	1	0.67	-	1	-	-0.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rate Rider for Recovery of Foregone Revenue	0.07	1	0.07	-	1	-	-0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rate Rider for Recovery of Incremental Capital Module Costs	0.73	1	0.73	-	1	-	-0.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rate Rider for Stranded Meters Disposition - 5 yrs.	-	1	-	0.22	1	0.22	0.22	-	0.22	1	0.22	-	0.00%	0.22	1	0.22	-	0.00%	0.22	1	0.22	-	0.00%	0.22	1	0.22	-	0.00%	
Rate Rider for Smart Metering Entity Variance	-	1	-	0.05	1	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Distribution Volumetric Rate	0.01538	800	12.30	0.01876	800	15.01	2.70	21.98%	0.01969	800	15.75	0.74	4.96%	0.02140	800	17.12	1.37	8.68%	0.02291	800	18.33	1.21	7.06%	0.02415	800	19.32	0.99	5.41%	
Rate Rider for Recovery of Foregone Revenue	0.00005	800	0.04	-	800	-	-0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rate Rider for Recovery of Incremental Capital Module Costs	0.00061	800	0.49	-	800	-	-0.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rate Rider for Application of Tax Change	-0.00004	800	-0.03	-	800	-	-0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rate Rider for PILs and Tax Variance	-	800	-	-0.00022	800	-0.18	-0.18	-	-	-	-	-0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rate Rider for PILs and Tax Variance HST	-	800	-	-0.00010	800	-0.08	-0.08	-	-	-	-	-0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rate Rider for Gain on Sale Named Properties	-	800	-	-0.00059	800	-0.47	-0.47	-	-	-	-	-0.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rate Rider for Hydro One Capital Contributions Variance	-	800	-	-0.00016	800	-0.13	-0.13	-	-	-	-	-0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rate Rider for Residual RARA	-	800	-	-0.00007	800	-0.06	-0.06	-	-	-	-	-0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rate Rider for LRAMVA	-	800	-	-0.00003	800	-0.02	-0.02	-	-	-	-	-0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rate Rider for IFRS - 2014 Derecognition	-	800	-	-	800	-	-	-	0.00067	800	0.54	0.54	-	0.00067	800	0.54	-	0.00%	0.00067	800	0.54	-	0.00%	0.00067	800	0.54	-	0.00%	
Rate Rider for POEB - Tax Savings	-	800	-	-0.00069	800	-0.55	-0.55	-	-0.00069	800	-0.55	-	0.00%	-0.00069	800	-0.55	-	0.00%	-	800	-	0.55	-	-	800	-	-	-	-
Rate Rider for 2012-14 Lost Revenue	-	800	-	-	800	-	-	-	0.00074	800	0.59	0.59	-	0.00074	800	0.59	-	0.00%	0.00074	800	0.59	-	0.00%	0.00074	800	0.59	-	0.00%	
Rate Rider for Operations Center Consolidation Plan Sharing	-	800	-	-0.00213	800	-1.70	-1.70	-	-0.00213	800	-1.70	-	0.00%	-0.00213	800	-1.70	-	0.00%	-	800	-	1.70	-	-	800	-	-	-	-
Sub-Total A (excluding pass through)			32.98			36.09	3.11	9.42%			38.76	2.68	7.42%			42.12	3.36	8.66%			47.43	5.30	12.59%			49.92	2.49	5.25%	
Rate Rider for Low Voltage Variance	-	800	-	0.00005	800	0.04	0.04	-	0.0925	30	2.78	-	0.00%	0.0925	30	2.78	-	0.00%	0.0925	30	2.78	-	0.00%	0.0925	30	2.78	-	0.00%	
Line Losses on Cost of Power	0.0925	30	2.78	0.0925	30	2.78	-	0.00%	0.0925	30	2.78	-	0.00%	0.0925	30	2.78	-	0.00%	0.0925	30	2.78	-	0.00%	0.0925	30	2.78	-	0.00%	
Rate Rider for Smart Metering Entity Charge - Ends Oct. 31, 2018.	0.78	1	0.78	0.78	1	0.78	-	0.00%	0.78	1	0.78	-	0.00%	0.78	1	0.78	-	0.00%	0.78	1	0.78	-	0.00%	0.78	1	0.78	-	0.00%	
Sub-Total B - Distribution (includes Sub-Total A)			36.54			39.69	3.15	8.61%			42.33	2.64	6.65%			45.68	3.36	7.93%			50.99	5.30	11.61%			52.70	1.71	3.36%	
RTSR - Network	0.00806	830	6.69	0.00819	830	6.80	0.11	1.61%	0.00819	830	6.80	-	0.00%	0.00819	830	6.80	-	0.00%	0.00819	830	6.80	-	0.00%	0.00819	830	6.80	-	0.00%	
RTSR - Line and Transformation Connection	0.00560	830	4.65	0.00563	830	4.67	0.02	0.54%	0.00563	830	4.67	-	0.00%	0.00563	830	4.67	-	0.00%	0.00563	830	4.67	-	0.00%	0.00563	830	4.67	-	0.00%	
Sub-Total C - Delivery (including Sub-Total B)			47.88			51.16	3.28	6.85%			53.80	2.64	5.16%			57.15	3.36	6.24%			62.46	5.30	9.28%			64.17	1.71	2.74%	
Wholesale Market Service Charge (WMSC)	0.0044	830	3.65	0.0044	830	3.65	-	0.00%	0.0044	830	3.65	-	0.00%	0.0044	830	3.65	-	0.00%	0.0044	830	3.65	-	0.00%	0.0044	830	3.65	-	0.00%	
Rural and Remote Rate Protection (RRRP)	0.0013	830	1.08	0.0013	830	1.08	-	0.00%	0.0013	830	1.08	-	0.00%	0.0013	830	1.08	-	0.00%	0.0013	830	1.08	-	0.00%	0.0013	830	1.08	-	0.00%	
Standard Supply Service Charge	0.25	1	0.25	0.25	1	0.25	-	0.00%	0.25	1	0.25	-	0.00%	0.25	1	0.25	-	0.00%	0.25	1	0.25	-	0.00%	0.25	1	0.25	-	0.00%	
Debt Retirement Charge (DRC)	0.0070	800	5.60	0.0070	800	5.60	-	0.00%	0.0070	800	5.60	-	0.00%	0.0070	800	5.60	-	0.00%	0.0070	800	5.60	-	0.00%	0.0070	800	5.60	-	0.00%	
TOU - Off Peak	0.0750	512	38.40	0.0750	512	38.40	-	0.00%	0.0750	512	38.40	-	0.00%	0.0750	512	38.40	-	0.00%	0.0750	512	38.40	-	0.00%	0.0750	512	38.40	-	0.00%	
TOU - Mid Peak	0.1120	144	16.13	0.1120	144	16.13	-	0.00%	0.1120	144	16.13	-	0.00%	0.1120	144	16.13	-	0.00%	0.1120	144	16.13	-	0.00%	0.1120	144	16.13	-	0.00%	
TOU - On Peak	0.1350	144	19.44	0.1350	144	19.44	-	0.00%	0.1350	144	19.44	-	0.00%	0.1350	144	19.44	-	0.00%	0.1350	144	19.44	-	0.00%	0.1350	144	19.44	-	0.00%	
Energy - RPP - Tier 1	0.0860	600	51.60	0.0860	600	51.60	-	0.00%	0.0860	600	51.60	-	0.00%	0.0860	600	51.60	-	0.00%	0.0860	600	51.60	-	0.00%	0.0860	600	51.60	-	0.00%	
Energy - RPP - Tier 2	0.1010	200	20.20	0.1010	200	20.20	-	0.00%	0.1010	200	20.20	-	0.00%	0.1010	200	20.20	-	0.00%	0.1010	200	20.20	-	0.00%	0.1010	200	20.20	-	0.00%	
Total Bill on TOU (before Taxes)			132.43			135.71	3.28	2.48%			138.35	2.64	1.94%			141.70	3.36	2.43%			147.01	5.30	3.74%			148.72	1.71	1.16%	
HST		13%	17.22		13%	17.64	0.43	2.48%		13%	17.99	0.34	1.94%		13%	18.42	0.44	2.43%		13%	19.11	0.69	3.74%		13%	19.33	0.22	1.16%	
Total Bill (including HST)			149.65			153.35	3.71	2.48%			156.33	2.98	1.94%			160.13	3.79	2.43%			166.12	5.99	3.74%			168.05	1.93	1.16%	
Ontario Clean Energy Benefit ¹			-14.96			-15.34	-0.38	-2.54%			-15.34	-	-			-15.34	-	-			-15.34	-	-			-15.34	-	-	
Total Bill on TOU (including OCEB)			134.69			138.01	3.33	2.47%			136.33	18.32	13.28%			139.54	3.79	2.43%			146.12	5.99	3.74%			146.05	1.93	1.16%	
Total Bill on RPP (before Taxes)			130.26			133.54	3.28	2.52%			136.18	2.64	1.98%			139.54	3.36	2.47%			144.84	5.30	3.80%			1			

Appendix 2-W
 Bill Impacts

Customer Class: RESIDENTIAL SERVICE

TOU / non-TOU: TOU

Consumption: 400 kWh May 1 - October 31 November 1 - April 30 (Select this radio button for applications filed after Oct 31)

Charge Unit	Current Board-Approved			2015 Proposed			Impact		2016 Proposed			Impact		2017 Proposed			Impact		2018 Proposed			Impact		2019 Proposed			Impact		
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	
Service Charge	per 30 days	\$ 18.63	1	\$ 18.63	\$ 22.72	1	\$ 22.72	\$ 4.09	21.95%	\$ 23.84	1	\$ 23.84	\$ 1.12	4.93%	\$ 25.91	1	\$ 25.91	\$ 2.07	8.68%	\$ 27.75	1	\$ 27.75	\$ 1.84	7.10%	\$ 29.25	1	\$ 29.25	\$ 1.50	5.41%
Rate Rider for Recovery of 2008-2010 Smart Meter Costs	per 30 days	\$ 0.08	1	\$ 0.08	\$ 0.08	1	\$ 0.08	\$ -	0.00%	\$ 0.08	1	\$ 0.08	\$ -	0.00%	\$ -	1	\$ -	\$ -0.08		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider for Recovery of Incremental Smart Meter Revenue Requirement	per 30 days	\$ 0.67	1	\$ 0.67	\$ -	1	\$ -	-\$ 0.67		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider for Recovery of Foregone Revenue	per 30 days	\$ 0.07	1	\$ 0.07	\$ -	1	\$ -	-\$ 0.07		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider for Recovery of Incremental Capital Module Costs	per 30 days	\$ 0.73	1	\$ 0.73	\$ -	1	\$ -	-\$ 0.73		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider for Stranded Meters Disposition	per 30 days	\$ 0.22	1	\$ 0.22	\$ 0.22	1	\$ 0.22	\$ -	0.00%	\$ 0.22	1	\$ 0.22	\$ -	0.00%	\$ 0.22	1	\$ 0.22	\$ -	0.00%	\$ 0.22	1	\$ 0.22	\$ -	0.00%	\$ 0.22	1	\$ 0.22	\$ -	0.00%
Rate Rider for Smart Metering Entity Variance	per 30 days	\$ 0.05	1	\$ 0.05	\$ 0.05	1	\$ 0.05	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh	\$ 0.01538	400	\$ 6.15	\$ 0.01876	400	\$ 7.50	\$ 1.35	21.98%	\$ 0.01969	400	\$ 7.88	\$ 0.37	4.96%	\$ 0.02140	400	\$ 8.56	\$ 0.68	8.68%	\$ 0.02291	400	\$ 9.16	\$ 0.60	7.06%	\$ 0.02415	400	\$ 9.66	\$ 0.50	5.41%
Rate Rider for Recovery of Foregone Revenue	per kWh	\$ 0.00005	400	\$ 0.02	\$ -	400	\$ -	-\$ 0.02		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -	
Rate Rider for Recovery of Incremental Capital Module Costs	per kWh	\$ 0.00061	400	\$ 0.24	\$ -	400	\$ -	-\$ 0.24		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -	
Rate Rider for Application of Tax Change	per kWh	-\$ 0.00004	400	\$ -0.02	\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -	
Rate Rider for PILs and Tax Variance	per kWh	\$ -	400	\$ -	-\$ 0.00022	400	\$ -0.09	-\$ 0.09		\$ -	400	\$ -	\$ 0.09		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -	
Rate Rider for PILs and Tax Variance HST	per kWh	\$ -	400	\$ -	-\$ 0.00010	400	\$ -0.04	-\$ 0.04		\$ -	400	\$ -	\$ 0.04		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -	
Rate Rider for Gain on Sale Named Properties	per kWh	\$ -	400	\$ -	\$ 0.00059	400	\$ 0.24	\$ 0.24		\$ -	400	\$ -	-\$ 0.24		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -	
Rate Rider for Hydro One Capital Contributions Variance	per kWh	\$ -	400	\$ -	\$ 0.00016	400	\$ 0.06	\$ 0.06		\$ -	400	\$ -	-\$ 0.06		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -	
Rate Rider for Residual RARA	per kWh	\$ -	400	\$ -	-\$ 0.00007	400	\$ -0.03	-\$ 0.03		\$ -	400	\$ -	\$ 0.03		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -	
Rate Rider for LRAMVA	per kWh	\$ -	400	\$ -	-\$ 0.00003	400	\$ -0.01	-\$ 0.01		\$ -	400	\$ -	\$ 0.01		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -	
Rate Rider for IFRS - 2014 Derecognition	per kWh	\$ -	400	\$ -	\$ -	400	\$ -	\$ -		\$ 0.00067	400	\$ 0.27	\$ 0.27		\$ 0.00067	400	\$ 0.27	\$ -	0.00%	\$ 0.00067	400	\$ 0.27	\$ -	0.00%	\$ 0.00067	400	\$ 0.27	\$ -	0.00%
Rate Rider for POEB - Tax Savings	per kWh	\$ -	400	\$ -	-\$ 0.00069	400	\$ -0.28	-\$ 0.28		-\$ 0.00069	400	\$ -0.28	\$ -	0.00%	-\$ 0.00069	400	\$ -0.28	\$ -	0.00%	\$ -	400	\$ -	\$ 0.28		\$ -	400	\$ -	\$ -	
Rate Rider for 2012-14 Lost Revenue	per kWh	\$ -	400	\$ -	\$ -	400	\$ -	\$ -		\$ 0.00074	400	\$ 0.30	\$ 0.30		\$ 0.00074	400	\$ 0.30	\$ -	0.00%	\$ 0.00074	400	\$ 0.30	\$ -	0.00%	\$ 0.00074	400	\$ 0.30	\$ -	0.00%
Rate Rider for Operations Center Consolidation Plan Sharing	per kWh	\$ -	400	\$ -	-\$ 0.00213	400	\$ -0.85	-\$ 0.85		-\$ 0.00213	400	\$ -0.85	\$ -	0.00%	-\$ 0.00213	400	\$ -0.85	\$ -	0.00%	-\$ 0.00213	400	\$ -0.85	\$ -	0.00%	-\$ 0.00213	400	\$ -0.85	\$ -	0.00%
Sub-Total A (excluding pass through)				\$ 26.58			\$ 29.58	\$ 3.00	11.28%			\$ 31.45	\$ 1.87	6.34%			\$ 34.13	\$ 2.67	8.50%			\$ 37.70	\$ 3.57	10.47%			\$ 39.69	\$ 2.00	5.29%
Rate Rider for Low Voltage Variance	per kWh	\$ -	400	\$ -	\$ 0.00005	400	\$ 0.02	\$ 0.02		\$ -	400	\$ -	-\$ 0.02		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -		\$ -	400	\$ -	\$ -	
Line Losses on Cost of Power	per kWh	\$ 0.0925	15	\$ 1.39	\$ 0.0925	15	\$ 1.39	\$ -	0.00%	\$ 0.0925	15	\$ 1.39	\$ -	0.00%	\$ 0.0925	15	\$ 1.39	\$ -	0.00%	\$ 0.0925	15	\$ 1.39	\$ -	0.00%	\$ 0.0925	15	\$ 1.39	\$ -	0.00%
Rate Rider for Smart Metering Entity Charge	per 30 days	\$ 0.78	1	\$ 0.78	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)				\$ 28.75			\$ 31.77	\$ 3.02	10.50%			\$ 33.62	\$ 1.85	5.84%			\$ 36.30	\$ 2.67	7.95%			\$ 39.87	\$ 3.57	9.84%			\$ 41.08	\$ 1.28	3.05%
RTSR - Network	per kWh	\$ 0.00806	415	\$ 3.35	\$ 0.00819	415	\$ 3.40	\$ 0.05	1.61%	\$ 0.00819	415	\$ 3.40	\$ -	0.00%	\$ 0.00819	415	\$ 3.40	\$ -	0.00%	\$ 0.00819	415	\$ 3.40	\$ -	0.00%	\$ 0.00819	415	\$ 3.40	\$ -	0.00%
RTSR - Line and Transformation Connection	per kWh	\$ 0.00560	415	\$ 2.32	\$ 0.00563	415	\$ 2.34	\$ 0.01	0.54%	\$ 0.00563	415	\$ 2.34	\$ -	0.00%	\$ 0.00563	415	\$ 2.34	\$ -	0.00%	\$ 0.00563	415	\$ 2.34	\$ -	0.00%	\$ 0.00563	415	\$ 2.34	\$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)				\$ 34.42			\$ 37.50	\$ 3.08	8.96%			\$ 39.36	\$ 1.85	4.94%			\$ 42.03	\$ 2.67	6.79%			\$ 45.60	\$ 3.57	8.50%			\$ 46.82	\$ 1.22	2.67%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0044	415	\$ 1.83	\$ 0.0044	415	\$ 1.83	\$ -	0.00%	\$ 0.0044	415	\$ 1.83	\$ -	0.00%	\$ 0.0044	415	\$ 1.83	\$ -	0.00%	\$ 0.0044	415	\$ 1.83	\$ -	0.00%	\$ 0.0044	415	\$ 1.83	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	415	\$ 0.54	\$ 0.0013	415	\$ 0.54	\$ -	0.00%	\$ 0.0013	415	\$ 0.54	\$ -	0.00%	\$ 0.0013	415	\$ 0.54	\$ -	0.00%	\$ 0.0013	415	\$ 0.54	\$ -	0.00%	\$ 0.0013	415	\$ 0.54	\$ -	0.00%
Standard Supply Service Charge	per 30 days	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	400	\$ 2.80	\$ 0.0070	400	\$ 2.80	\$ -	0.00%	\$ 0.0070	400	\$ 2.80	\$ -	0.00%	\$ 0.0070	400	\$ 2.80	\$ -	0.00%	\$ 0.0070	400	\$ 2.80	\$ -	0.00%	\$ 0.0070	400	\$ 2.80	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0750	256	\$ 19.20	\$ 0.0750	256	\$ 19.20	\$ -	0.00%	\$ 0.0750	256	\$ 19.20	\$ -	0.00%	\$ 0.0750	256	\$ 19.20	\$ -	0.00%	\$ 0.0750	256	\$ 19.20	\$ -	0.00%	\$ 0.0750	256	\$ 19.20	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1120	72	\$ 8.06	\$ 0.1120	72	\$ 8.06	\$ -	0.00%	\$ 0.1120	72	\$ 8.06	\$ -	0.00%	\$ 0.1120	72	\$ 8.06	\$ -	0.00%	\$ 0.1120	72	\$ 8.06	\$ -	0.00%	\$ 0.1120	72	\$ 8.06	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1350	72	\$ 9.72	\$ 0.1350	72	\$ 9.72	\$ -	0.00%	\$ 0.1350	72	\$ 9.72	\$ -	0.00%	\$ 0.1350	72	\$ 9.72	\$ -	0.00%	\$ 0.1350	72	\$ 9.72	\$ -	0.00%	\$ 0.1350	72	\$ 9.72	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0860	400	\$ 34.40	\$ 0.0860	400	\$ 34.40	\$ -	0.00%	\$ 0.0860	400	\$ 34.40	\$ -	0.00%	\$ 0.0860	400	\$ 34.40	\$ -	0.00%	\$ 0.0860	400	\$ 34.40	\$ -	0.00%	\$ 0.0860	400	\$ 34.40	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.1010	0	\$ -	\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -	
Total Bill on TOU (before Taxes)				\$ 76.82			\$ 79.90	\$ 3.08	4.02%			\$ 81.76	\$ 1.85	2.32%			\$ 84.43	\$ 2.67	3.27%			\$ 88.00	\$ 3.57	4.23%			\$ 89.22	\$ 1.22	1.38%
HST		13%		\$ 9.99	13%		\$ 10.39	\$ 0.40	4.02%	13%		\$ 10.63	\$ 0.24	2.32%	13%		\$ 11.11	\$ 0.46	4.23%	13%		\$ 11.60	\$ 0.46	4.23%	13%		\$ 11.60	\$ 0.16	1.28%
Total Bill (including HST)				\$ 86.81			\$ 90.29	\$ 3.49	4.02%			\$ 92.39	\$ 2.10	2.32%			\$ 95.41	\$ 3.02	3.27%			\$ 99.44	\$ 4.04	4.23%			\$ 100.82	\$ 1.37	1.38%
Ontario Clean Energy Benefit ¹				-\$ 8.68			-\$ 9.03	-\$ 0.35	4.03%			\$ -	\$ 9.03				\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	

Appendix 2-W
 Bill Impacts

Customer Class: RESIDENTIAL SERVICE
 TOU / non-TOU: TOU
 Consumption: 1,500 kWh May 1 - October 31 November 1 - April 30 (Select this radio button for applications filed after Oct 31)

Charge Unit	Current Board-Approved			2015 Proposed				Impact		2016 Proposed				Impact		2017 Proposed				Impact		2018 Proposed				Impact		2019 Proposed				Impact		
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	
Service Charge	per 30 days	\$ 18.63	1	\$ 18.63	\$ 22.72	1	\$ 22.72	\$ 4.09	21.95%	\$ 23.84	1	\$ 23.84	\$ 1.12	4.93%	\$ 25.91	1	\$ 25.91	\$ 2.07	8.68%	\$ 27.75	1	\$ 27.75	\$ 1.84	7.10%	\$ 29.25	1	\$ 29.25	\$ 1.50	5.41%					
Rate Rider for Recovery of 2008-2010 Smart Meter Costs	per 30 days	\$ 0.08	1	\$ 0.08	\$ 0.08	1	\$ 0.08	\$ -	0.00%	\$ 0.08	1	\$ 0.08	\$ -	0.00%				\$ -	0.00%				\$ -	0.00%										
Rate Rider for Recovery of Incremental Smart Meter Revenue Requirement	per 30 days	\$ 0.67	1	\$ 0.67	\$ -	1	\$ -	-\$ 0.67		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider for Recovery of Foregone Revenue	per 30 days	\$ 0.07	1	\$ 0.07	\$ -	1	\$ -	-\$ 0.07		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider for Recovery of Incremental Capital Module Costs	per 30 days	\$ 0.73	1	\$ 0.73	\$ -	1	\$ -	-\$ 0.73		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider for Stranded Meters Disposition	per 30 days	\$ 0.22	1	\$ 0.22	\$ 0.22	1	\$ 0.22	\$ 0.00		\$ 0.22	1	\$ 0.22	\$ -	0.00%	\$ 0.22	1	\$ 0.22	\$ -	0.00%	\$ 0.22	1	\$ 0.22	\$ -	0.00%	\$ 0.22	1	\$ 0.22	\$ -	0.00%	\$ 0.22	1	\$ 0.22	\$ -	0.00%
Rate Rider for Smart Metering Entity Variance	per 30 days	\$ 0.05	1	\$ 0.05	\$ 0.05	1	\$ 0.05	\$ 0.00		\$ 0.05	1	\$ 0.05	\$ -	0.00%	\$ 0.05	1	\$ 0.05	\$ -	0.00%	\$ 0.05	1	\$ 0.05	\$ -	0.00%	\$ 0.05	1	\$ 0.05	\$ -	0.00%	\$ 0.05	1	\$ 0.05	\$ -	0.00%
Distribution Volumetric Rate	per kWh	\$ 0.01538	1,500	\$ 23.07	\$ 0.01876	1,500	\$ 28.14	\$ 5.07	21.98%	\$ 0.01969	1,500	\$ 29.54	\$ 1.40	4.96%	\$ 0.02140	1,500	\$ 32.10	\$ 2.57	8.68%	\$ 0.02291	1,500	\$ 34.37	\$ 2.27	7.06%	\$ 0.02415	1,500	\$ 36.23	\$ 1.86	5.41%					
Rate Rider for Recovery of Foregone Revenue	per kWh	\$ 0.00005	1,500	\$ 0.08	\$ -	1,500	\$ -	-\$ 0.08		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -	
Rate Rider for Recovery of Incremental Capital Module Costs	per kWh	\$ 0.00061	1,500	\$ 0.92	\$ -	1,500	\$ -	-\$ 0.92		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -	
Rate Rider for Application of Tax Change	per kWh	-\$ 0.00004	1,500	-\$ 0.06	\$ -	1,500	\$ -	\$ 0.06		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -	
Rate Rider for PILs and Tax Variance	per kWh	\$ 0.00022	1,500	\$ 0.33	-\$ 0.00022	1,500	-\$ 0.33	-\$ 0.33		\$ -	1,500	\$ -	\$ 0.33		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -	
Rate Rider for PILs and Tax Variance HST	per kWh	-\$ 0.00010	1,500	-\$ 0.15	-\$ 0.00010	1,500	-\$ 0.15	-\$ 0.15		\$ -	1,500	\$ -	\$ 0.15		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -	
Rate Rider for Gain on Sale Named Properties	per kWh	\$ 0.00059	1,500	\$ 0.89	\$ 0.00059	1,500	\$ 0.89	\$ 0.89		\$ -	1,500	\$ -	-\$ 0.89		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -	
Rate Rider for Hydro One Capital Contributions Variance	per kWh	\$ 0.00016	1,500	\$ 0.24	\$ 0.00016	1,500	\$ 0.24	\$ 0.24		\$ -	1,500	\$ -	-\$ 0.24		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -	
Rate Rider for Residual RARA	per kWh	-\$ 0.00007	1,500	-\$ 0.11	-\$ 0.00007	1,500	-\$ 0.11	-\$ 0.11		\$ -	1,500	\$ -	\$ 0.11		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -	
Rate Rider for LRAMVA	per kWh	-\$ 0.00003	1,500	-\$ 0.05	-\$ 0.00003	1,500	-\$ 0.05	-\$ 0.05		\$ -	1,500	\$ -	\$ 0.05		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -		\$ -	1,500	\$ -	\$ -	
Rate Rider for IFRS - 2014 Derecognition	per kWh	\$ 0.00067	1,500	\$ 1.01	\$ 0.00067	1,500	\$ 1.01	\$ 1.01		\$ 0.00067	1,500	\$ 1.01	\$ 1.01	0.00%	\$ 0.00067	1,500	\$ 1.01	\$ -	0.00%	\$ 0.00067	1,500	\$ 1.01	\$ -	0.00%	\$ 0.00067	1,500	\$ 1.01	\$ -	0.00%	\$ 0.00067	1,500	\$ 1.01	\$ -	0.00%
Rate Rider for POEB - Tax Savings	per kWh	-\$ 0.00069	1,500	-\$ 1.04	-\$ 0.00069	1,500	-\$ 1.04	-\$ 1.04		-\$ 0.00069	1,500	-\$ 1.04	\$ -	0.00%	-\$ 0.00069	1,500	-\$ 1.04	\$ -	0.00%	-\$ 0.00069	1,500	-\$ 1.04	\$ -	0.00%	-\$ 0.00069	1,500	-\$ 1.04	\$ -	0.00%	-\$ 0.00069	1,500	-\$ 1.04	\$ -	0.00%
Rate Rider for 2012-14 Lost Revenue	per kWh	\$ 0.00074	1,500	\$ 1.11	\$ 0.00074	1,500	\$ 1.11	\$ 1.11		\$ 0.00074	1,500	\$ 1.11	\$ 1.11	0.00%	\$ 0.00074	1,500	\$ 1.11	\$ -	0.00%	\$ 0.00074	1,500	\$ 1.11	\$ -	0.00%	\$ 0.00074	1,500	\$ 1.11	\$ -	0.00%	\$ 0.00074	1,500	\$ 1.11	\$ -	0.00%
Rate Rider for Operations Center Consolidation Plan Sharing	per kWh	-\$ 0.00213	1,500	-\$ 3.20	-\$ 0.00213	1,500	-\$ 3.20	-\$ 3.20		-\$ 0.00213	1,500	-\$ 3.20	\$ -	0.00%	-\$ 0.00213	1,500	-\$ 3.20	\$ -	0.00%	-\$ 0.00213	1,500	-\$ 3.20	\$ -	0.00%	-\$ 0.00213	1,500	-\$ 3.20	\$ -	0.00%	-\$ 0.00213	1,500	-\$ 3.20	\$ -	0.00%
Sub-Total A (excluding pass through)				\$ 44.18			\$ 47.48	\$ 3.30	7.46%			\$ 51.56	\$ 4.09	8.60%			\$ 56.12	\$ 4.56	8.83%			\$ 64.45	\$ 8.33	14.85%			\$ 67.81	\$ 3.36	5.21%					
Rate Rider for Low Voltage Variance	per kWh	\$ 0.00005	1,500	\$ 0.08	\$ 0.00005	1,500	\$ 0.08	\$ 0.08		\$ 0.00005	1,500	\$ 0.08	-\$ 0.08		\$ 0.00005	1,500	\$ 0.08	\$ -	0.00%	\$ 0.00005	1,500	\$ 0.08	\$ -	0.00%	\$ 0.00005	1,500	\$ 0.08	\$ -	0.00%	\$ 0.00005	1,500	\$ 0.08	\$ -	0.00%
Line Losses on Cost of Power	per kWh	\$ 0.0925	56	\$ 5.21	\$ 0.0925	56	\$ 5.21	\$ -	0.00%	\$ 0.0925	56	\$ 5.21	\$ -	0.00%	\$ 0.0925	56	\$ 5.21	\$ -	0.00%	\$ 0.0925	56	\$ 5.21	\$ -	0.00%	\$ 0.0925	56	\$ 5.21	\$ -	0.00%	\$ 0.0925	56	\$ 5.21	\$ -	0.00%
Rate Rider for Smart Metering Entity Charge	per 30 days	\$ 0.78	1	\$ 0.78	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)				\$ 50.17			\$ 53.54	\$ 3.37	6.72%			\$ 57.55	\$ 4.01	7.49%			\$ 62.11	\$ 4.56	7.91%			\$ 70.44	\$ 8.33	13.42%			\$ 73.02	\$ 2.58	3.66%					
RTSR - Network	per kWh	\$ 0.00806	1,556	\$ 12.54	\$ 0.00819	1,556	\$ 12.75	\$ 0.20	1.61%	\$ 0.00819	1,556	\$ 12.75	\$ -	0.00%	\$ 0.00819	1,556	\$ 12.75	\$ -	0.00%	\$ 0.00819	1,556	\$ 12.75	\$ -	0.00%	\$ 0.00819	1,556	\$ 12.75	\$ -	0.00%	\$ 0.00819	1,556	\$ 12.75	\$ -	0.00%
RTSR - Line and Transformation Connection	per kWh	\$ 0.00560	1,556	\$ 8.72	\$ 0.00563	1,556	\$ 8.76	\$ 0.05	0.54%	\$ 0.00563	1,556	\$ 8.76	\$ -	0.00%	\$ 0.00563	1,556	\$ 8.76	\$ -	0.00%	\$ 0.00563	1,556	\$ 8.76	\$ -	0.00%	\$ 0.00563	1,556	\$ 8.76	\$ -	0.00%	\$ 0.00563	1,556	\$ 8.76	\$ -	0.00%
Sub-Total C - Delivery (includes Sub-Total B)				\$ 71.44			\$ 75.05	\$ 3.62	5.07%			\$ 79.06	\$ 4.01	5.34%			\$ 83.62	\$ 4.56	5.76%			\$ 91.95	\$ 8.33	9.97%			\$ 94.53	\$ 2.58	2.81%					
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0044	1,556	\$ 6.85	\$ 0.0044	1,556	\$ 6.85	\$ -	0.00%	\$ 0.0044	1,556	\$ 6.85	\$ -	0.00%	\$ 0.0044	1,556	\$ 6.85	\$ -	0.00%	\$ 0.0044	1,556	\$ 6.85	\$ -	0.00%	\$ 0.0044	1,556	\$ 6.85	\$ -	0.00%	\$ 0.0044	1,556	\$ 6.85	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	1,556	\$ 2.02	\$ 0.0013	1,556	\$ 2.02	\$ -	0.00%	\$ 0.0013	1,556	\$ 2.02	\$ -	0.00%	\$ 0.0013	1,556	\$ 2.02	\$ -	0.00%	\$ 0.0013	1,556	\$ 2.02	\$ -	0.00%	\$ 0.0013	1,556	\$ 2.02	\$ -	0.00%	\$ 0.0013	1,556	\$ 2.02	\$ -	0.00%
Standard Supply Service Charge	per 30 days	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	1,500	\$ 10.50	\$ 0.0070	1,500	\$ 10.50	\$ -	0.00%	\$ 0.0070	1,500	\$ 10.50	\$ -	0.00%	\$ 0.0070	1,500	\$ 10.50	\$ -	0.00%	\$ 0.0070	1,500	\$ 10.50	\$ -	0.00%	\$ 0.0070	1,500	\$ 10.50	\$ -	0.00%	\$ 0.0070	1,500	\$ 10.50	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0750	960	\$ 72.00	\$ 0.0750	960	\$ 72.00	\$ -	0.00%	\$ 0.0750	960	\$ 72.00	\$ -	0.00%	\$ 0.0750	960	\$ 72.00	\$ -	0.00%	\$ 0.0750	960	\$ 72.00	\$ -	0.00%	\$ 0.0750	960	\$ 72.00	\$ -	0.00%	\$ 0.0750	960	\$ 72.00	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1120	270	\$ 30.24	\$ 0.1120	270	\$ 30.24	\$ -	0.00%	\$ 0.1120	270	\$ 30.24	\$ -	0.00%	\$ 0.1120	270	\$ 30.24	\$ -	0.00%	\$ 0.1120	270	\$ 30.24	\$ -	0.00%										

Appendix 2-W
 Bill Impacts

Customer Class: **COMPETITIVE SECTOR MULTI-UNIT RESIDENTIAL SERVICE**

TOU / non-TOU: **TOU**

Consumption 334 kWh May 1 - October 31 November 1 - April 30 (Select this radio button for applications filed after Oct 31)

Charge Unit	Current Board-Approved			2015 Proposed			Impact		2016 Proposed			Impact		2017 Proposed			Impact		2018 Proposed			Impact		2019 Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Service Charge	\$ 17.35	1	\$ 17.35	\$ 18.90	1	\$ 18.90	\$ 1.55	8.93%	\$ 19.83	1	\$ 19.83	\$ 0.93	4.92%	\$ 21.56	1	\$ 21.56	\$ 1.73	8.72%	\$ 23.08	1	\$ 23.08	\$ 1.52	7.05%	\$ 24.33	1	\$ 24.33	\$ 1.25	5.42%
Rate Rider for Recovery of Foregone Revenue	\$ 0.06	1	\$ 0.06		1	\$ -	-\$ 0.06			1	\$ -	\$ -			1	\$ -	\$ -			1	\$ -	\$ -			1	\$ -	\$ -	
Rate Rider for Recovery of Incremental Capital Module Costs	\$ 0.68	1	\$ 0.68		1	\$ -	-\$ 0.68			1	\$ -	\$ -			1	\$ -	\$ -			1	\$ -	\$ -			1	\$ -	\$ -	
Rate Rider for Smart Metering Entity Variance				\$ 0.03	1	\$ 0.03	\$ 0.03																					
Distribution Volumetric Rate	\$ 0.02617	334	\$ 8.74	\$ 0.02851	334	\$ 9.52	\$ 0.78	8.94%	\$ 0.02992	334	\$ 9.99	\$ 0.47	4.95%	\$ 0.03252	334	\$ 10.86	\$ 0.87	8.69%	\$ 0.03482	334	\$ 11.63	\$ 0.77	7.07%	\$ 0.03670	334	\$ 12.26	\$ 0.63	5.40%
Rate Rider for Recovery of Foregone Revenue	\$ 0.00009	334	\$ 0.03		334	\$ -	-\$ 0.03			334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -	
Rate Rider for Recovery of Incremental Capital Module Costs	\$ 0.00103	334	\$ 0.34		334	\$ -	-\$ 0.34			334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -	
Rate Rider for Application of Tax Change	-\$ 0.00007	334	-\$ 0.02		334	\$ -	\$ 0.02			334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -	
Rate Rider for PILs and Tax Variance		334	\$ -	-\$ 0.00021	334	-\$ 0.07	-\$ 0.07			334	\$ -	\$ 0.07			334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -	
Rate Rider for PILs and Tax Variance HST		334	\$ -	-\$ 0.00010	334	-\$ 0.03	-\$ 0.03			334	\$ -	\$ 0.03			334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -	
Rate Rider for Gain on Sale Named Properties		334	\$ -	\$ 0.00052	334	\$ 0.17	\$ 0.17			334	\$ -	-\$ 0.17			334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -	
Rate Rider for Hydro One Capital Contributions Variance		334	\$ -	\$ 0.00016	334	\$ 0.05	\$ 0.05			334	\$ -	-\$ 0.05			334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -	
Rate Rider for Residual RARA		334	\$ -	-\$ 0.00006	334	-\$ 0.02	-\$ 0.02			334	\$ -	\$ 0.02			334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -	
Rate Rider for LRAMVA		334	\$ -	\$ 0.00001	334	\$ 0.00	\$ 0.00			334	\$ -	-\$ 0.00			334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -	
Rate Rider for IFRS - 2014 Derecognition		334	\$ -		334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -	
Rate Rider for POEB - Tax Savings		334	\$ -	-\$ 0.00067	334	-\$ 0.22	-\$ 0.22			334	\$ -	\$ -	0.00%		334	\$ -	\$ -	0.00%		334	\$ -	\$ -	0.00%		334	\$ -	\$ -	0.00%
Rate Rider for 2012-14 Lost Revenue		334	\$ -		334	\$ -	\$ -			334	\$ -	\$ -	0.00%		334	\$ -	\$ -	0.00%		334	\$ -	\$ -	0.00%		334	\$ -	\$ -	0.00%
Rate Rider for Operations Center Consolidation Plan Sharing		334	\$ -	-\$ 0.00208	334	-\$ 0.69	-\$ 0.69			334	\$ -	\$ -	0.00%		334	\$ -	\$ -	0.00%		334	\$ -	\$ -	0.00%		334	\$ -	\$ -	0.00%
Sub-Total A (excluding pass through)			\$ 27.18			\$ 27.64	\$ 0.46	1.69%			\$ 29.37	\$ 1.72	6.24%			\$ 31.96	\$ 2.60	8.85%			\$ 35.17	\$ 3.21	10.03%			\$ 37.05	\$ 1.88	5.34%
Rate Rider for Low Voltage Variance		334	\$ -	\$ 0.00002	334	\$ 0.01	\$ 0.01			334	\$ -	-\$ 0.01			334	\$ -	\$ -			334	\$ -	\$ -			334	\$ -	\$ -	
Line Losses on Cost of Power	\$ 0.0925	13	\$ 1.16	\$ 0.0925	13	\$ 1.16	\$ -	0.00%	\$ 0.0925	13	\$ 1.16	\$ -	0.00%	\$ 0.0925	13	\$ 1.16	\$ -	0.00%	\$ 0.0925	13	\$ 1.16	\$ -	0.00%	\$ 0.0925	13	\$ 1.16	\$ -	0.00%
Rate Rider for Smart Metering Entity Charge	\$ 0.78	1	\$ 0.78	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)			\$ 29.12			\$ 29.59	\$ 0.47	1.60%			\$ 31.31	\$ 1.72	5.81%			\$ 33.91	\$ 2.60	8.30%			\$ 37.11	\$ 3.21	9.46%			\$ 38.21	\$ 1.10	2.96%
RTSR - Network	\$ 0.00806	347	\$ 2.79	\$ 0.00819	347	\$ 2.84	\$ 0.05	1.61%	\$ 0.00819	347	\$ 2.84	\$ -	0.00%	\$ 0.00819	347	\$ 2.84	\$ -	0.00%	\$ 0.00819	347	\$ 2.84	\$ -	0.00%	\$ 0.00819	347	\$ 2.84	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 0.00560	347	\$ 1.94	\$ 0.00563	347	\$ 1.95	\$ 0.01	0.54%	\$ 0.00563	347	\$ 1.95	\$ -	0.00%	\$ 0.00563	347	\$ 1.95	\$ -	0.00%	\$ 0.00563	347	\$ 1.95	\$ -	0.00%	\$ 0.00563	347	\$ 1.95	\$ -	0.00%
Sub-Total C - Delivery (includes Sub-Total B)			\$ 33.86			\$ 34.38	\$ 0.52	1.54%			\$ 36.10	\$ 1.72	5.00%			\$ 38.69	\$ 2.60	7.20%			\$ 41.90	\$ 3.21	8.29%			\$ 43.00	\$ 1.10	2.62%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	347	\$ 1.52	\$ 0.0044	347	\$ 1.52	\$ -	0.00%	\$ 0.0044	347	\$ 1.52	\$ -	0.00%	\$ 0.0044	347	\$ 1.52	\$ -	0.00%	\$ 0.0044	347	\$ 1.52	\$ -	0.00%	\$ 0.0044	347	\$ 1.52	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	347	\$ 0.45	\$ 0.0013	347	\$ 0.45	\$ -	0.00%	\$ 0.0013	347	\$ 0.45	\$ -	0.00%	\$ 0.0013	347	\$ 0.45	\$ -	0.00%	\$ 0.0013	347	\$ 0.45	\$ -	0.00%	\$ 0.0013	347	\$ 0.45	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	334	\$ 2.34	\$ 0.0070	334	\$ 2.34	\$ -	0.00%	\$ 0.0070	334	\$ 2.34	\$ -	0.00%	\$ 0.0070	334	\$ 2.34	\$ -	0.00%	\$ 0.0070	334	\$ 2.34	\$ -	0.00%	\$ 0.0070	334	\$ 2.34	\$ -	0.00%
TOU - Off Peak	\$ 0.0750	214	\$ 16.03	\$ 0.0750	214	\$ 16.03	\$ -	0.00%	\$ 0.0750	214	\$ 16.03	\$ -	0.00%	\$ 0.0750	214	\$ 16.03	\$ -	0.00%	\$ 0.0750	214	\$ 16.03	\$ -	0.00%	\$ 0.0750	214	\$ 16.03	\$ -	0.00%
TOU - Mid Peak	\$ 0.1120	60	\$ 6.73	\$ 0.1120	60	\$ 6.73	\$ -	0.00%	\$ 0.1120	60	\$ 6.73	\$ -	0.00%	\$ 0.1120	60	\$ 6.73	\$ -	0.00%	\$ 0.1120	60	\$ 6.73	\$ -	0.00%	\$ 0.1120	60	\$ 6.73	\$ -	0.00%
TOU - On Peak	\$ 0.1350	60	\$ 8.12	\$ 0.1350	60	\$ 8.12	\$ -	0.00%	\$ 0.1350	60	\$ 8.12	\$ -	0.00%	\$ 0.1350	60	\$ 8.12	\$ -	0.00%	\$ 0.1350	60	\$ 8.12	\$ -	0.00%	\$ 0.1350	60	\$ 8.12	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0860	334	\$ 28.72	\$ 0.0860	334	\$ 28.72	\$ -	0.00%	\$ 0.0860	334	\$ 28.72	\$ -	0.00%	\$ 0.0860	334	\$ 28.72	\$ -	0.00%	\$ 0.0860	334	\$ 28.72	\$ -	0.00%	\$ 0.0860	334	\$ 28.72	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1010	0	\$ -	\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -	
Total Bill on TOU (before Taxes)			\$ 69.30			\$ 69.82	\$ 0.52	0.75%			\$ 71.54	\$ 1.72	2.46%			\$ 74.14	\$ 2.60	3.63%			\$ 77.35	\$ 3.21	4.33%			\$ 78.44	\$ 1.10	1.42%
HST		13%	\$ 9.01		13%	\$ 9.08	\$ 0.07	0.75%		13%	\$ 9.30	\$ 0.22	2.46%		13%	\$ 9.64	\$ 0.34	3.63%		13%	\$ 10.06	\$ 0.42	4.33%		13%	\$ 10.20	\$ 0.14	1.42%
Total Bill (including HST)			\$ 78.31			\$ 78.90	\$ 0.59	0.75%			\$ 80.84	\$ 1.94	2.40%			\$ 83.78	\$ 2.94	3.63%			\$ 87.40	\$ 3.62	4.33%			\$ 88.64	\$ 1.24	1.42%
Ontario Clean Energy Benefit ¹			-\$ 7.83			-\$ 7.89	-\$ 0.06	0.77%			-\$ 7.89	-\$ 0.06	0.77%			-\$ 7.89	-\$ 0.06	0.77%			-\$ 7.89	-\$ 0.06	0.77%			-\$ 7.89	-\$ 0.06	0.77%
Total Bill on TOU (including OCEB)			\$ 70.48			\$ 71.01	\$ 0.53	0.75%			\$ 72.95	\$ 1.94	2.65%			\$ 75.89	\$ 2.94	3.88%			\$ 79.51	\$ 3.56	4.48%			\$ 80.75	\$ 1.24	1.53%
Total Bill on RPP (before Taxes)			\$ 67.14			\$ 67.67	\$ 0.52	0.78%			\$ 69.38	\$ 1.72	2.54%			\$ 71.98	\$ 2.60	3.74%			\$ 75.19	\$ 3.21	4.45%			\$ 76.29	\$ 1.10	1.46%
HST		13%	\$ 8.73		13%	\$ 8.80	\$ 0.07	0.78%		13%	\$ 9.02	\$ 0.22	2.54%		13%	\$ 9.36	\$ 0.34	3.74%		13%	\$ 9.77	\$ 0.42	4.45%		13%	\$ 9.92	\$ 0.14	1.46%
Total Bill (including HST)			\$ 75.87			\$ 76.46	\$ 0.59	0.78%			\$ 78.40	\$ 1.94	2.54%			\$ 81.3												

Appendix 2-W
 Bill Impacts

Customer Class: COMPETITIVE SECTOR MULTI-UNIT RESIDENTIAL

TOU / non-TOU: TOU

Consumption 200 kWh May 1 - October 31 November 1 - April 30 (Select this radio button for applications filed after Oct 31)

Charge Unit	Current Board-Approved			2015 Proposed			Impact		2016 Proposed			Impact		2017 Proposed			Impact		2018 Proposed			Impact		2019 Proposed			Impact		
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	
Service Charge	per 30 days	\$ 17.35	1	\$ 17.35	\$ 18.90	1	\$ 18.90	\$ 1.55	8.93%	\$ 19.83	1	\$ 19.83	\$ 0.93	4.92%	\$ 21.56	1	\$ 21.56	\$ 1.73	8.72%	\$ 23.08	1	\$ 23.08	\$ 1.52	7.05%	\$ 24.33	1	\$ 24.33	\$ 1.25	5.42%
Rate Rider for Recovery of Foregone Revenue	per 30 days	\$ 0.06	1	\$ 0.06	\$ -	1	\$ -	-\$ 0.06		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider for Recovery of Incremental Capital Module Costs	per 30 days	\$ 0.68	1	\$ 0.68	\$ -	1	\$ -	-\$ 0.68		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh	\$ 0.02617	200	\$ 5.23	\$ 0.02851	200	\$ 5.70	\$ 0.47	8.94%	\$ 0.02992	200	\$ 5.98	\$ 0.28	4.95%	\$ 0.03252	200	\$ 6.50	\$ 0.52	8.69%	\$ 0.03482	200	\$ 6.96	\$ 0.46	7.07%	\$ 0.03670	200	\$ 7.34	\$ 0.38	5.40%
Rate Rider for Recovery of Foregone Revenue	per kWh	\$ 0.00009	200	\$ 0.02	\$ -	200	\$ -	-\$ 0.02		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -	
Rate Rider for Recovery of Incremental Capital Module Costs	per kWh	\$ 0.00103	200	\$ 0.21	\$ -	200	\$ -	-\$ 0.21		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -	
Rate Rider for Application of Tax Change	per kWh	-\$ 0.00007	200	-\$ 0.01	\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -	
Rate Rider for PILs and Tax Variance	per kWh	\$ -	200	\$ -	-\$ 0.00021	200	-\$ 0.04	-\$ 0.04		\$ -	200	\$ -	\$ 0.04		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -	
Rate Rider for PILs and Tax Variance HST	per kWh	\$ -	200	\$ -	-\$ 0.00010	200	-\$ 0.02	-\$ 0.02		\$ -	200	\$ -	\$ 0.02		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -	
Rate Rider for Gain on Sale Named Properties	per kWh	\$ -	200	\$ -	\$ 0.00052	200	\$ 0.10	\$ 0.10		\$ -	200	\$ -	-\$ 0.10		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -	
Rate Rider for Hydro One Capital Contributions Variance	per kWh	\$ -	200	\$ -	\$ 0.00016	200	\$ 0.03	\$ 0.03		\$ -	200	\$ -	-\$ 0.03		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -	
Rate Rider for Residual RARA	per kWh	\$ -	200	\$ -	-\$ 0.00006	200	-\$ 0.01	-\$ 0.01		\$ -	200	\$ -	\$ 0.01		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -	
Rate Rider for LRAMVA	per kWh	\$ -	200	\$ -	\$ 0.00001	200	\$ 0.00	\$ 0.00		\$ -	200	\$ -	-\$ 0.00		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -	
Rate Rider for IFRS - 2014 Derecognition	per kWh	\$ -	200	\$ -	\$ -	200	\$ -	\$ -		\$ 0.00066	200	\$ 0.13	\$ 0.13		\$ 0.00066	200	\$ 0.13	\$ -	0.00%	\$ 0.00066	200	\$ 0.13	\$ -	0.00%	\$ 0.00066	200	\$ 0.13	\$ -	0.00%
Rate Rider for POEB - Tax Savings	per kWh	\$ -	200	\$ -	-\$ 0.00067	200	-\$ 0.13	-\$ 0.13		-\$ 0.00067	200	-\$ 0.13	\$ -	0.00%	-\$ 0.00067	200	-\$ 0.13	\$ -	0.00%	-\$ 0.00067	200	-\$ 0.13	\$ -	0.00%	-\$ 0.00067	200	-\$ 0.13	\$ -	0.00%
Rate Rider for 2012-14 Lost Revenue	per kWh	\$ -	200	\$ -	\$ -	200	\$ -	\$ -		\$ 0.00072	200	\$ 0.14	\$ 0.14		\$ 0.00072	200	\$ 0.14	\$ -	0.00%	\$ 0.00072	200	\$ 0.14	\$ -	0.00%	\$ 0.00072	200	\$ 0.14	\$ -	0.00%
Rate Rider for Operations Center Consolidation Plan Sharing	per kWh	\$ -	200	\$ -	-\$ 0.00208	200	-\$ 0.42	-\$ 0.42		-\$ 0.00208	200	-\$ 0.42	\$ -	0.00%	-\$ 0.00208	200	-\$ 0.42	\$ -	0.00%	-\$ 0.00208	200	-\$ 0.42	\$ -	0.00%	-\$ 0.00208	200	-\$ 0.42	\$ -	0.00%
Sub-Total A (excluding pass through)				\$ 23.53		\$ 24.12	\$ 0.58	2.47%			\$ 25.54	\$ 1.42	5.90%			\$ 27.79	\$ 2.25	8.81%			\$ 30.32	\$ 2.53	9.10%			\$ 31.95	\$ 1.63	5.36%	
Rate Rider for Low Voltage Variance	per kWh	\$ -	200	\$ -	\$ 0.00002	200	\$ 0.00	\$ 0.00		\$ -	200	\$ -	-\$ 0.00		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -		\$ -	200	\$ -	\$ -	
Line Losses on Cost of Power	per kWh	\$ 0.0925	8	\$ 0.70	\$ 0.0925	8	\$ 0.70	\$ -	0.00%	\$ 0.0925	8	\$ 0.70	\$ -	0.00%	\$ 0.0925	8	\$ 0.70	\$ -	0.00%	\$ 0.0925	8	\$ 0.70	\$ -	0.00%	\$ 0.0925	8	\$ 0.70	\$ -	0.00%
Rate Rider for Smart Metering Entity Charge	per 30 days	\$ 0.78	1	\$ 0.78	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)				\$ 25.01		\$ 25.60	\$ 0.59	2.34%			\$ 27.02	\$ 1.42	5.55%			\$ 29.27	\$ 2.25	8.33%			\$ 31.80	\$ 2.53	8.65%			\$ 32.64	\$ 0.85	2.66%	
RTSR - Network	per kWh	\$ 0.00806	208	\$ 1.67	\$ 0.00819	208	\$ 1.70	\$ 0.03	1.61%	\$ 0.00819	208	\$ 1.70	\$ -	0.00%	\$ 0.00819	208	\$ 1.70	\$ -	0.00%	\$ 0.00819	208	\$ 1.70	\$ -	0.00%	\$ 0.00819	208	\$ 1.70	\$ -	0.00%
RTSR - Line and Transformation Connection	per kWh	\$ 0.00560	208	\$ 1.16	\$ 0.00563	208	\$ 1.17	\$ 0.01	0.54%	\$ 0.00563	208	\$ 1.17	\$ -	0.00%	\$ 0.00563	208	\$ 1.17	\$ -	0.00%	\$ 0.00563	208	\$ 1.17	\$ -	0.00%	\$ 0.00563	208	\$ 1.17	\$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)				\$ 27.84		\$ 28.46	\$ 0.62	2.22%			\$ 29.88	\$ 1.42	4.99%			\$ 32.13	\$ 2.25	7.53%			\$ 34.66	\$ 2.53	7.87%			\$ 35.51	\$ 0.85	2.44%	
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0044	208	\$ 0.91	\$ 0.0044	208	\$ 0.91	\$ -	0.00%	\$ 0.0044	208	\$ 0.91	\$ -	0.00%	\$ 0.0044	208	\$ 0.91	\$ -	0.00%	\$ 0.0044	208	\$ 0.91	\$ -	0.00%	\$ 0.0044	208	\$ 0.91	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	208	\$ 0.27	\$ 0.0013	208	\$ 0.27	\$ -	0.00%	\$ 0.0013	208	\$ 0.27	\$ -	0.00%	\$ 0.0013	208	\$ 0.27	\$ -	0.00%	\$ 0.0013	208	\$ 0.27	\$ -	0.00%	\$ 0.0013	208	\$ 0.27	\$ -	0.00%
Standard Supply Service Charge	per 30 days	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	200	\$ 1.40	\$ 0.0070	200	\$ 1.40	\$ -	0.00%	\$ 0.0070	200	\$ 1.40	\$ -	0.00%	\$ 0.0070	200	\$ 1.40	\$ -	0.00%	\$ 0.0070	200	\$ 1.40	\$ -	0.00%	\$ 0.0070	200	\$ 1.40	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0750	128	\$ 9.60	\$ 0.0750	128	\$ 9.60	\$ -	0.00%	\$ 0.0750	128	\$ 9.60	\$ -	0.00%	\$ 0.0750	128	\$ 9.60	\$ -	0.00%	\$ 0.0750	128	\$ 9.60	\$ -	0.00%	\$ 0.0750	128	\$ 9.60	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1120	36	\$ 4.03	\$ 0.1120	36	\$ 4.03	\$ -	0.00%	\$ 0.1120	36	\$ 4.03	\$ -	0.00%	\$ 0.1120	36	\$ 4.03	\$ -	0.00%	\$ 0.1120	36	\$ 4.03	\$ -	0.00%	\$ 0.1120	36	\$ 4.03	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1350	36	\$ 4.86	\$ 0.1350	36	\$ 4.86	\$ -	0.00%	\$ 0.1350	36	\$ 4.86	\$ -	0.00%	\$ 0.1350	36	\$ 4.86	\$ -	0.00%	\$ 0.1350	36	\$ 4.86	\$ -	0.00%	\$ 0.1350	36	\$ 4.86	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0860	200	\$ 17.20	\$ 0.0860	200	\$ 17.20	\$ -	0.00%	\$ 0.0860	200	\$ 17.20	\$ -	0.00%	\$ 0.0860	200	\$ 17.20	\$ -	0.00%	\$ 0.0860	200	\$ 17.20	\$ -	0.00%	\$ 0.0860	200	\$ 17.20	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.1010	0	\$ -	\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -	
Total Bill on TOU (before Taxes)				\$ 49.17		\$ 49.79	\$ 0.62	1.26%			\$ 51.21	\$ 1.42	2.85%			\$ 53.46	\$ 2.25	4.39%			\$ 55.99	\$ 2.53	4.73%			\$ 56.83	\$ 0.85	1.51%	
HST		13%		\$ 6.39	13%	\$ 6.47	\$ 0.08	1.26%	13%		\$ 6.66	\$ 0.18	2.85%	13%		\$ 6.95	\$ 0.29	4.39%	13%		\$ 7.28	\$ 0.33	4.73%	13%		\$ 7.39	\$ 0.11	1.51%	
Total Bill (including HST)				\$ 55.56		\$ 56.26	\$ 0.70	1.26%			\$ 57.87	\$ 1.60	2.85%			\$ 60.41	\$ 2.54	4.39%			\$ 63.27	\$ 2.86	4.73%			\$ 64.22	\$ 0.96	1.51%	
<i>Ontario Clean Energy Benefit¹</i>				\$ 5.66		\$ 5.63	\$ 0.07	1.26%			\$ 5.66	\$ 0.07	1.26%			\$ 5.66	\$ 0.07	1.26%			\$ 5.66	\$ 0.07	1.26%			\$ 5.66	\$ 0.07	1.26%	
Total Bill on TOU (including OCEB)				\$ 50.00		\$ 50.63	\$ 0.63	1.26%			\$ 52.21	\$ 1.77	3.41%			\$ 54.75	\$ 2.54	4.69%			\$ 57.63	\$ 2.86	5.00%			\$ 58.78	\$ 1.03	1.74%	
Total Bill on RPP (before Taxes)				\$ 47.88		\$ 48.50	\$ 0.62	1.29%			\$ 49.92	\$ 1.42	2.93%			\$ 52.17	\$ 2.25	4.51%			\$ 54.70	\$ 2.53	4.85%			\$ 55.54	\$ 0.85	1.55%	
HST		13%		\$ 6.22	13%	\$ 6.30	\$ 0.08	1.29%	13%		\$ 6.49	\$ 0.18	2.93%	13%		\$ 6.78	\$ 0.29	4.51%	13%		\$ 7.11	\$ 0.33	4.85%	13%		\$ 7.22	\$ 0.11	1.55%	
Total Bill (including HST)				\$ 54.10		\$ 54.80	\$ 0.70	1.29%			\$ 56.41	\$ 1.60	2.93%			\$ 58.95	\$ 2.54	4.51%			\$ 61.81	\$ 2.86	4.8						

**Appendix 2-W
 Bill Impacts**

Customer Class: **COMPETITIVE SECTOR MULTI-UNIT RESIDENTIAL**

TOU / non-TOU: **TOU**

Consumption 600 kWh May 1 - October 31 November 1 - April 30 (Select this radio button for applications filed after Oct 31)

Charge Unit	Current Board-Approved			2015 Proposed			Impact		2016 Proposed			Impact		2017 Proposed			Impact		2018 Proposed			Impact		2019 Proposed			Impact		
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	
Service Charge	per 30 days	\$ 17.35	1	\$ 17.35	\$ 18.90	1	\$ 18.90	\$ 1.55	8.93%	\$ 19.83	1	\$ 19.83	\$ 0.93	4.92%	\$ 21.56	1	\$ 21.56	\$ 1.73	8.72%	\$ 23.08	1	\$ 23.08	\$ 1.52	7.05%	\$ 24.33	1	\$ 24.33	\$ 1.25	5.42%
Rate Rider for Recovery of Foregone Revenue	per 30 days	\$ 0.06	1	\$ 0.06			\$ -	0.00%				\$ -					\$ -					\$ -						\$ -	
Rate Rider for Recovery of Incremental Capital Module Costs	per 30 days	\$ 0.68	1	\$ 0.68			\$ -	0.00%				\$ -					\$ -					\$ -					\$ -		
Distribution Volumetric Rate	per kWh	\$ 0.02617	600	\$ 15.70	\$ 0.02851	600	\$ 17.11	\$ 1.40	8.94%	\$ 0.02992	600	\$ 17.95	\$ 0.85	4.95%	\$ 0.03252	600	\$ 19.51	\$ 1.56	8.69%	\$ 0.03482	600	\$ 20.89	\$ 1.38	7.07%	\$ 0.03670	600	\$ 22.02	\$ 1.13	5.40%
Rate Rider for Recovery of Foregone Revenue	per kWh	\$ 0.00009	600	\$ 0.05			\$ -	0.00%				\$ -					\$ -					\$ -					\$ -		
Rate Rider for Recovery of Incremental Capital Module Costs	per kWh	\$ 0.00103	600	\$ 0.62			\$ -	0.00%				\$ -					\$ -					\$ -					\$ -		
Rate Rider for Application of Tax Change	per kWh	\$ -0.00007	600	\$ -0.04			\$ -	0.00%				\$ -					\$ -					\$ -					\$ -		
Rate Rider for PILs and Tax Variance	per kWh		600	\$ -	\$ -0.00021	600	\$ -0.13	\$ -	0.00%			\$ -					\$ -					\$ -					\$ -		
Rate Rider for PILs and Tax Variance HST	per kWh		600	\$ -	\$ -0.00010	600	\$ -0.06	\$ -	0.00%			\$ -					\$ -					\$ -					\$ -		
Rate Rider for Gain on Sale Named Properties	per kWh		600	\$ -	\$ 0.00052	600	\$ 0.31	\$ 0.31				\$ 0.31					\$ 0.31					\$ 0.31					\$ 0.31		
Rate Rider for Hydro One Capital Contributions Variance	per kWh		600	\$ -	\$ 0.00016	600	\$ 0.10	\$ 0.10				\$ 0.10					\$ 0.10					\$ 0.10					\$ 0.10		
Rate Rider for Residual RARA	per kWh		600	\$ -	\$ -0.00006	600	\$ -0.04	\$ -	0.00%			\$ -					\$ -					\$ -					\$ -		
Rate Rider for LRAMVA	per kWh		600	\$ -	\$ 0.00001	600	\$ 0.01	\$ 0.01				\$ 0.01					\$ 0.01					\$ 0.01					\$ 0.01		
Rate Rider for IFRS - 2014 Derecognition	per kWh		600	\$ -			\$ -			\$ 0.00066	600	\$ 0.40	\$ 0.40		\$ 0.00066	600	\$ 0.40	\$ 0.40	0.00%	\$ 0.00066	600	\$ 0.40	\$ 0.40	0.00%	\$ 0.00066	600	\$ 0.40	\$ 0.40	0.00%
Rate Rider for POEB - Tax Savings	per kWh		600	\$ -	\$ -0.00067	600	\$ -0.40	\$ -	0.00%	\$ -0.00067	600	\$ -0.40	\$ -	0.00%	\$ -0.00067	600	\$ -0.40	\$ -	0.00%	\$ -0.00067	600	\$ -0.40	\$ -	0.00%	\$ -0.00067	600	\$ -0.40	\$ -	0.00%
Rate Rider for 2012-14 Lost Revenue	per kWh		600	\$ -			\$ -			\$ 0.00072	600	\$ 0.43	\$ 0.43		\$ 0.00072	600	\$ 0.43	\$ 0.43	0.00%	\$ 0.00072	600	\$ 0.43	\$ 0.43	0.00%	\$ 0.00072	600	\$ 0.43	\$ 0.43	0.00%
Rate Rider for Operations Center Consolidation Plan Sharing	per kWh		600	\$ -	\$ -0.00208	600	\$ -1.25	\$ -	0.00%	\$ -0.00208	600	\$ -1.25	\$ -	0.00%	\$ -0.00208	600	\$ -1.25	\$ -	0.00%	\$ -0.00208	600	\$ -1.25	\$ -	0.00%	\$ -0.00208	600	\$ -1.25	\$ -	0.00%
Sub-Total A (excluding pass through)				\$ 34.42			\$ 34.55	\$ 0.13	0.37%			\$ 36.96	\$ 2.41	6.98%			\$ 40.25	\$ 3.29	8.90%			\$ 44.80	\$ 4.55	11.30%			\$ 47.18	\$ 2.38	5.31%
Rate Rider for Low Voltage Variance	per kWh		600	\$ -	\$ 0.00002	600	\$ 0.01	\$ 0.01				\$ -	\$ -0.01				\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
Line Losses on Cost of Power	per kWh	\$ 0.0925	23	\$ 2.09	\$ 0.0925	23	\$ 2.09	\$ -	0.00%	\$ 0.0925	23	\$ 2.09	\$ -	0.00%	\$ 0.0925	23	\$ 2.09	\$ -	0.00%	\$ 0.0925	23	\$ 2.09	\$ -	0.00%	\$ 0.0925	23	\$ 2.09	\$ -	0.00%
Rate Rider for Smart Metering Entity Charge	per 30 days	\$ 0.78	1	\$ 0.78	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%	\$ 0.78	1	\$ 0.78	\$ -	0.00%
Sub-Total B - Distribution (includes Sub-Total A)				\$ 37.29			\$ 37.43	\$ 0.14	0.37%			\$ 39.83	\$ 2.40	6.41%			\$ 43.12	\$ 3.29	8.26%			\$ 47.67	\$ 4.55	10.55%			\$ 49.26	\$ 1.60	3.35%
RTSR - Network	per kWh	\$ 0.00806	623	\$ 5.02	\$ 0.00819	623	\$ 5.10	\$ 0.08	1.61%	\$ 0.00819	623	\$ 5.10	\$ -	0.00%	\$ 0.00819	623	\$ 5.10	\$ -	0.00%	\$ 0.00819	623	\$ 5.10	\$ -	0.00%	\$ 0.00819	623	\$ 5.10	\$ -	0.00%
RTSR - Line and Transformation Connection	per kWh	\$ 0.00560	623	\$ 3.49	\$ 0.00563	623	\$ 3.51	\$ 0.02	0.54%	\$ 0.00563	623	\$ 3.51	\$ -	0.00%	\$ 0.00563	623	\$ 3.51	\$ -	0.00%	\$ 0.00563	623	\$ 3.51	\$ -	0.00%	\$ 0.00563	623	\$ 3.51	\$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)				\$ 45.79			\$ 46.03	\$ 0.24	0.52%			\$ 48.43	\$ 2.40	5.21%			\$ 51.72	\$ 3.29	6.79%			\$ 56.27	\$ 4.55	8.80%			\$ 57.87	\$ 1.60	2.84%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0044	623	\$ 2.74	\$ 0.0044	623	\$ 2.74	\$ -	0.00%	\$ 0.0044	623	\$ 2.74	\$ -	0.00%	\$ 0.0044	623	\$ 2.74	\$ -	0.00%	\$ 0.0044	623	\$ 2.74	\$ -	0.00%	\$ 0.0044	623	\$ 2.74	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	623	\$ 0.81	\$ 0.0013	623	\$ 0.81	\$ -	0.00%	\$ 0.0013	623	\$ 0.81	\$ -	0.00%	\$ 0.0013	623	\$ 0.81	\$ -	0.00%	\$ 0.0013	623	\$ 0.81	\$ -	0.00%	\$ 0.0013	623	\$ 0.81	\$ -	0.00%
Standard Supply Service Charge	per 30 days	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	600	\$ 4.20	\$ 0.0070	600	\$ 4.20	\$ -	0.00%	\$ 0.0070	600	\$ 4.20	\$ -	0.00%	\$ 0.0070	600	\$ 4.20	\$ -	0.00%	\$ 0.0070	600	\$ 4.20	\$ -	0.00%	\$ 0.0070	600	\$ 4.20	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0750	384	\$ 28.80	\$ 0.0750	384	\$ 28.80	\$ -	0.00%	\$ 0.0750	384	\$ 28.80	\$ -	0.00%	\$ 0.0750	384	\$ 28.80	\$ -	0.00%	\$ 0.0750	384	\$ 28.80	\$ -	0.00%	\$ 0.0750	384	\$ 28.80	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1120	108	\$ 12.10	\$ 0.1120	108	\$ 12.10	\$ -	0.00%	\$ 0.1120	108	\$ 12.10	\$ -	0.00%	\$ 0.1120	108	\$ 12.10	\$ -	0.00%	\$ 0.1120	108	\$ 12.10	\$ -	0.00%	\$ 0.1120	108	\$ 12.10	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1350	108	\$ 14.58	\$ 0.1350	108	\$ 14.58	\$ -	0.00%	\$ 0.1350	108	\$ 14.58	\$ -	0.00%	\$ 0.1350	108	\$ 14.58	\$ -	0.00%	\$ 0.1350	108	\$ 14.58	\$ -	0.00%	\$ 0.1350	108	\$ 14.58	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0860	600	\$ 51.60	\$ 0.0860	600	\$ 51.60	\$ -	0.00%	\$ 0.0860	600	\$ 51.60	\$ -	0.00%	\$ 0.0860	600	\$ 51.60	\$ -	0.00%	\$ 0.0860	600	\$ 51.60	\$ -	0.00%	\$ 0.0860	600	\$ 51.60	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.1010	0	\$ -	\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -		\$ 0.1010	0	\$ -	\$ -	
Total Bill on TOU (before Taxes)				\$ 109.27			\$ 109.50	\$ 0.24	0.22%			\$ 111.90	\$ 2.40	2.19%			\$ 115.19	\$ 3.29	2.94%			\$ 119.74	\$ 4.55	3.95%			\$ 121.34	\$ 1.60	1.33%
HST		13%		\$ 14.20			\$ 14.24	\$ 0.03	0.22%			\$ 14.55	\$ 0.31	2.19%			\$ 14.98	\$ 0.43	2.94%			\$ 15.57	\$ 0.59	3.95%			\$ 15.77	\$ 0.21	1.33%
Total Bill (including HST)				\$ 123.47			\$ 123.74	\$ 0.27	0.22%			\$ 126.45	\$ 2.71	2.19%			\$ 130.17	\$ 3.72	2.94%			\$ 135.31	\$ 5.14	3.95%			\$ 137.12	\$ 1.81	1.33%
Ontario Clean Energy Benefit ¹				\$ -12.35			\$ -12.37	\$ -0.02	0.16%			\$ -	\$ 12.37				\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
Total Bill on TOU (including OCEB)				\$ 111.12			\$ 111.37	\$ 0.25	0.22%			\$ 126.45	\$ 15.08	13.54%			\$ 130.17	\$ 3.72	2.94%			\$ 135.31	\$ 5.14	3.95%			\$ 137.12	\$ 1.81	1.33%
Total Bill on RPP (before Taxes)				\$ 105.39			\$ 105.63	\$ 0.24	0.23%			\$ 108.03	\$ 2.40	2.27%			\$ 111.32	\$ 3.29	3.05%			\$ 115.87	\$ 4.55	4.09%			\$ 117.47	\$ 1.60	1.38%
HST		13%		\$ 13.70			\$ 13.73	\$ 0.03	0.23%			\$ 14.04	\$ 0.31	2.27%			\$ 14.47	\$ 0.43	3.05%			\$ 15.06	\$ 0.59	4.09%			\$ 15.27	\$ 0.21	1.38%
Total Bill (including HST)				\$ 119.09			\$ 119.36	\$ 0.27	0.23%			\$ 122.07	\$ 2.71	2.27%			\$ 125.79	\$ 3.72	3.05%			\$ 130.93	\$ 5.14	4.09%			\$ 132.74	\$ 1.81	1.38%
Ontario Clean Energy Benefit ¹				\$ -11.91			\$ -11.94	\$ -0.03	0.25%			\$ -	\$ 11.94				\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
Total Bill on RPP (including OCEB)				\$ 107.18			\$ 107.42	\$ 0.24	0.22%			\$ 122.07	\$ 14.65	1															

Ontario Energy Board

Application of Cost Allocation for Electricity Distributors

Report of the Board

EB-2007-0667

November 28, 2007

realignments could result in large rate increases, particularly when combined with other plans that affect the distributor's revenue requirement.

The Board expects to address these concerns as and when they arise in the context of individual rate applications. Distributors should endeavour to move their revenue-to-cost ratios closer to one if this is supported by improved cost allocations. However, if a large increase is required to move closer to one, rate mitigation plans should be proposed by the distributor. Distributors should not move their revenue-to-cost ratios further away from one.

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BY E-MAIL ONLY

October 7, 2014

Jay Shepherd
School Energy Coalition
2300 Yonge St., Suite 806
Toronto ON M4P 1E4

Dear Mr. Shepherd:

Re: Electricity Distributors – Working Capital Allowance

Thank you for your letter dated September 19, 2014 on behalf of the School Energy Coalition and other intervenors expressing concerns with the Board approved 13% default working capital allowance (“WCA”) for electricity distributors.

As you may know, on September 18, 2014 the Board released its Draft Report of the Board on Electricity and Natural Gas Distributors’ Residential Customer Billing Practices and Performance (the “draft Report”). Comments on the Draft Report are due by October 9, 2014.

In Section 4.1.2 of the Draft Report, the Board has indicated that as a further stage to that initiative, the Board will consider whether amendments to its WCA policy are warranted. This review is intended to examine factors beyond the impact of monthly billing on WCA. To initiate this work, the Board has issued a Request for Services to engage a consultant to, among other work, conduct a review of how working capital needs are treated for ratemaking purposes in other jurisdictions. Your letter has been placed on the record of this policy proceeding (EB-2014-0198).

As you may be aware, the Board's practice to date has been to apply any changes to policies prospectively. Therefore, the existing policy will remain in effect until the completion of the policy review on WCA.

Your letter has been forwarded to the attention of Lynne Anderson, the Board's Vice-President, Applications for consideration by Board staff in current applications.

Yours truly,

Original Signed By

Kirsten Walli
Board Secretary