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1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2  
3 **Response to Ontario Energy Board Staff Interrogatory 9-Staff-89**

4  
5 **Ref: Exhibit 9, Tab 1, Schedule 15, p.6 and 9**

6  
7 **Interrogatory:**

8  
9 Kingston Hydro has requested a 5 year disposition period for accounts 1555 – Sub  
10 Account – Stranded Meters and 1576 Accounting Changes under CGAAP.

11  
12 a) Please provide a further explanation to justify the extended disposition period.

13  
14 b) Please provide total bill impact calculations for a disposition period of 1,2, 3 and  
15 4 years, include all deferral and variance accounts.

16  
17 **Response:**

18  
19 a) The rationale for a 5 year disposition is due to:

- 20 - the amounts relate to long term capital assets  
21 - a 5 year recovery period is consistent with the recovery period applied for  
22 stranded meters.  
23 - A 5 year recovery period assists in avoiding the “lumpiness” of customers’  
24 bills.

25  
26 b) Total bill impact calculations for a disposition period of 1, 2, 3, 4 and 5 years  
27 are provided as Attachments 1-5. Also attached are rate rider summaries for  
28 each year as Attachment 6.

Response to the Ontario Energy Board  
Staff Interrogatory 9-Staff-89

Attachment 1

**Appendix 2-W  
Bill Impacts**

Customer Class: Residential

Residential

TOU / non-TOU: TOU

Consumption 800 kWh

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1		
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	
	Monthly Service Charge	\$ 12.5600	1	\$ 12.56	\$ 16.4000	1	\$ 16.40	\$ 3.84	30.57%	\$ 19.7800	1	\$ 19.78	\$ 3.38	20.61%
Smart Meter (SMIRR) Rate Rider	\$ 2.6300	1	\$ 2.63	\$ -	1	\$ -	-\$ 2.63	-100.00%	\$ -	1	\$ -	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ 0.25	1	\$ 0.25	\$ 0.25		\$ -	1	\$ -	-\$ 0.25	-100.00%	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ 5.41	1	\$ 5.41	\$ 5.41		\$ 5.41		\$ -	-\$ 5.41	-100.00%	
		1	\$ -		1	\$ -	\$ -			1	\$ -	\$ -	\$ -	
		1	\$ -		1	\$ -	\$ -			1	\$ -	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0154	800	\$ 12.32	\$ 0.0126	800	\$ 10.08	-\$ 2.24	-18.18%	\$ 0.0087	800	\$ 6.96	-\$ 3.12	-30.95%	
Rate Rider Tax Change (2015)	\$ 0.0001	800	\$ 0.08	\$ -	800	\$ -	\$ 0.08	-100.00%	\$ -	800	\$ -	\$ -	\$ -	
LRAM VA (2016)	\$ -	800	\$ -	\$ 0.0003	800	\$ 0.24	\$ 0.24		\$ -	800	\$ -	-\$ 0.24	-100.00%	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	800	\$ -	\$ 0.0004	800	\$ 0.32	\$ 0.32		\$ -	800	\$ -	-\$ 0.32	-100.00%	
	\$ -	-	\$ -		-	\$ -	\$ -			-	\$ -	\$ -	\$ -	
	\$ -	800	\$ -		800	\$ -	\$ -			800	\$ -	\$ -	\$ -	
	\$ -	800	\$ -		800	\$ -	\$ -			800	\$ -	\$ -	\$ -	
	\$ -	800	\$ -		800	\$ -	\$ -			800	\$ -	\$ -	\$ -	
	\$ -	800	\$ -		800	\$ -	\$ -			800	\$ -	\$ -	\$ -	
	\$ -	800	\$ -		800	\$ -	\$ -			800	\$ -	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 27.43			\$ 32.70	\$ 5.27	19.21%			\$ 26.74	-\$ 5.96	-18.23%	
Deferral/Variance Account Disposition Rate Rider (2016)	per kWh	\$ -	800	\$ -	\$ 0.0010	800	\$ 0.80	\$ 0.80		\$ -	800	\$ -	-\$ 0.80	-100.00%
		\$ -	800	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	\$ -
Rate Rider CGAAP Account 1576 (2016)	per kWh	\$ -	800	\$ -	-\$ 0.0119	800	-\$ 9.52	-\$ 9.52		-\$ 0.0119		\$ -	\$ 9.52	-100.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kWh	\$ 0.0156	0	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	\$ -
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kWh	\$ -	800	\$ -	\$ 0.0137	0	\$ -	\$ -		\$ -	800	\$ -	\$ -	\$ -
Low Voltage Service Charge	per kWh	\$ 0.0007	800	\$ 0.56	\$ 0.0012	800	\$ 0.96	\$ 0.40	71.43%	\$ 0.0012	800	\$ 0.96	\$ -	0.00%
Line Losses on Cost of Power	per kWh	\$ 0.0950	27.52	\$ 2.61	\$ 0.0950	31.44	\$ 2.99	\$ 0.37	14.24%	\$ 0.0950	31.44	\$ 2.99	\$ -	0.00%
Smart Meter Enticement Charge	Monthly	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -		\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 31.39			\$ 28.72	-\$ 2.68	-8.53%			\$ 31.48	\$ 2.76	9.61%	
RTSR - Network	per kWh	\$ 0.0067	828	\$ 5.54	\$ 0.0071	831	\$ 5.90	\$ 0.36	6.47%	\$ 0.0071	831	\$ 5.90	\$ -	0.00%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0051	828	\$ 4.22	\$ 0.0056	831	\$ 4.66	\$ 0.44	10.32%	\$ 0.0056	831	\$ 4.66	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 41.16			\$ 39.28	-\$ 1.88	-4.58%			\$ 42.04	\$ 2.76	7.03%	
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0044	828	\$ 3.64	\$ 0.0044	831	\$ 3.66	\$ 0.02	0.47%	\$ 0.0044	831	\$ 3.66	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	828	\$ 1.08	\$ 0.0013	831	\$ 1.08	\$ 0.01	0.47%	\$ 0.0013	831	\$ 1.08	\$ -	0.00%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	800	\$ 5.60	\$ 0.0070	800	\$ 5.60	\$ -	0.00%	\$ 0.0070	800	\$ 5.60	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0770	512	\$ 39.42	\$ 0.0770	512	\$ 39.42	\$ -	0.00%	\$ 0.0770	512	\$ 39.42	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1140	144	\$ 16.42	\$ 0.1140	144	\$ 16.42	\$ -	0.00%	\$ 0.1140	144	\$ 16.42	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1400	144	\$ 20.16	\$ 0.1400	144	\$ 20.16	\$ -	0.00%	\$ 0.1400	144	\$ 20.16	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 127.73			\$ 125.87	-\$ 1.86	-1.46%			\$ 128.63	\$ 2.76	2.19%	
HST		13%	\$ 16.60	13%	\$ 16.36	-\$ 0.24	-1.46%		13%	\$ 16.72	\$ 0.36	\$ 0.36	2.19%	
<b>Total Bill (including HST)</b>			\$ 144.33			\$ 142.23	-\$ 2.10	-1.46%			\$ 145.35	\$ 3.12	2.19%	
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			-\$ 14.43			-\$ 14.22	\$ 0.21	-1.46%			-\$ 14.53	-\$ 0.31	2.18%	
<b>Total Bill on TOU (including OCEB)</b>			\$ 129.90			\$ 128.01	-\$ 1.89	-1.46%			\$ 130.82	\$ 2.81	2.19%	
<b>Total Bill on RPP (before Taxes)</b>			\$ 125.13			\$ 123.27	-\$ 1.86	-1.49%			\$ 126.03	\$ 2.76	2.24%	
HST		13%	\$ 16.27	13%	\$ 16.02	-\$ 0.24	-1.49%		13%	\$ 16.38	\$ 0.36	\$ 0.36	2.24%	
<b>Total Bill (including HST)</b>			\$ 141.39			\$ 139.29	-\$ 2.10	-1.49%			\$ 142.41	\$ 3.12	2.24%	
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			-\$ 14.14			-\$ 13.93	\$ 0.21	-1.49%			-\$ 14.24	-\$ 0.31	2.23%	
<b>Total Bill on RPP (including OCEB)</b>			\$ 127.25			\$ 125.36	-\$ 1.89	-1.49%			\$ 128.17	\$ 2.81	2.24%	

Loss Factor (%) 3.44%

3.93%

3.93%

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 12.5600	1	\$ 12.56	\$ 16.4000	1	\$ 16.40	\$ 3.84	30.57%	\$ 19.7800	1	\$ 19.78	\$ 3.38
Distribution Volumetric Rate	\$ 0.0154	800	\$ 12.32	\$ 0.0126	800	\$ 10.08	-\$ 2.24	-18.18%	\$ 0.0087	800	\$ 6.96	-\$ 3.12	-30.95%
<b>"Regular" Distribution Only</b>			\$ 24.88			\$ 26.48	\$ 1.60	6.43%			\$ 26.74	\$ 0.26	0.98%



**Appendix 2-W  
Bill Impacts**

Customer Class: **General Service Less Than 50 kW**

**General Service Less Than 50 kW**

TOU / non-TOU: **TOU**

Consumption  2,000 kWh  May 1 - October 31  November 1 - April 30 (Select this radio button for applications filed after Oct 31)

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 25.8500	1	\$ 25.85	\$ 26.8400	1	\$ 26.84	\$ 0.99	3.83%
Smart Meter (SMIRR) Rate Rider	\$ 3.6500	1	\$ 3.65	\$ -	1	\$ -	\$ -3.65	-100.00%
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ 0.4300	1	\$ 0.43	\$ 0.43	100.00%
Rate Rider Recovery of Stranded Meters (2016)	\$ -	1	\$ -	\$ 9.3700	1	\$ 9.37	\$ 9.37	100.00%
		1	\$ -	\$ -	1	\$ -	\$ -	
		1	\$ -	\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh \$ 0.0106	2000	\$ 21.20	\$ 0.0109	2000	\$ 21.80	\$ 0.60	2.83%
Rate Rider Tax Change (2015)	per kWh \$ -0.0001	2000	\$ 0.20	\$ -	2000	\$ -	\$ 0.20	-100.00%
LRAM VA (2016)	per kWh \$ -	2000	\$ -	\$ 0.0008	2000	\$ 1.60	\$ 1.60	100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	per kWh \$ -	2000	\$ -	\$ 0.0002	2000	\$ 0.40	\$ 0.40	100.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 50.50			\$ 60.44	\$ 9.94	19.68%
Deferral/Variance Account Disposition Rate Rider (2016)	per kWh \$ -	2000	\$ -	\$ 0.0005	2000	\$ 1.00	\$ 1.00	100.00%
Rate Rider CGAAP Account 1576 (2016)	per kWh \$ -	2000	\$ -	\$ -0.0073	2000	\$ 14.60	\$ -14.60	100.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kWh \$ 0.0156	0	\$ -	\$ -	2000	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kWh \$ -	2000	\$ -	\$ 0.0137	0	\$ -	\$ -	
Low Voltage Service Charge	per kWh \$ 0.0006	2000	\$ 1.20	\$ 0.0011	2000	\$ 2.20	\$ 1.00	83.33%
Line Losses on Cost of Power	per kWh \$ 0.0950	68.8	\$ 6.54	\$ 0.0950	78.6	\$ 7.47	\$ 0.93	14.24%
Smart Meter Entitlement Charge	Monthly \$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 59.03			\$ 55.30	\$ -3.73	-6.32%
RTSR - Network	per kWh \$ 0.0060	2069	\$ 12.41	\$ 0.0063	2079	\$ 13.10	\$ 0.68	5.50%
RTSR - Line and Transformation Connection	per kWh \$ 0.0046	2069	\$ 9.52	\$ 0.0051	2079	\$ 10.60	\$ 1.08	11.39%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 80.96			\$ 78.99	\$ -1.96	-2.42%
Wholesale Market Service Charge (WMSC)	per kWh \$ 0.0044	2069	\$ 9.10	\$ 0.0044	2079	\$ 9.15	\$ 0.04	0.47%
Rural and Remote Rate Protection (RRRP)	per kWh \$ 0.0013	2069	\$ 2.69	\$ 0.0013	2079	\$ 2.70	\$ 0.01	0.47%
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	2000	\$ 14.00	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
TOU - Off Peak	per kWh \$ 0.0770	1280	\$ 98.56	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%
TOU - Mid Peak	per kWh \$ 0.1140	360	\$ 41.04	\$ 0.1140	360	\$ 41.04	\$ -	0.00%
TOU - On Peak	per kWh \$ 0.1400	360	\$ 50.40	\$ 0.1400	360	\$ 50.40	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 297.00			\$ 295.09	\$ -1.91	-0.64%
HST	13%		\$ 38.61	13%		\$ 38.36	\$ -0.25	-0.64%
<b>Total Bill (including HST)</b>			\$ 335.61			\$ 333.45	\$ -2.15	-0.64%
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			\$ -33.56			\$ -33.35	\$ 0.21	-0.63%
<b>Total Bill on TOU (including OCEB)</b>			\$ 302.05			\$ 300.10	\$ -1.94	-0.64%
<b>Total Bill on RPP (before Taxes)</b>			\$ 251.20			\$ 249.29	\$ -1.91	-0.76%
HST	13%		\$ 32.66	13%		\$ 32.41	\$ -0.25	-0.76%
<b>Total Bill (including HST)</b>			\$ 283.85			\$ 281.70	\$ -2.15	-0.76%
<b>Ontario Clean Energy Benefit <sup>1</sup></b>			\$ -28.39			\$ -28.17	\$ 0.22	-0.77%
<b>Total Bill on RPP (including OCEB)</b>			\$ 255.46			\$ 253.53	\$ -1.93	-0.76%

2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
\$ 27.6000	1	\$ 27.60	\$ 0.76	2.83%
\$ -	1	\$ -	\$ -	
\$ -	1	\$ -	\$ 0.43	-100.00%
\$ 9.3700		\$ -	\$ 9.37	-100.00%
\$ -	1	\$ -	\$ -	
\$ -	1	\$ -	\$ -	
\$ 0.0112	2000	\$ 22.40	\$ 0.60	2.75%
\$ -	2000	\$ -	\$ -	
\$ -	2000	\$ -	\$ 1.60	-100.00%
\$ -	2000	\$ -	\$ 0.40	-100.00%
		\$ 50.00	\$ -10.44	-17.27%
\$ -	2000	\$ -	\$ 1.00	-100.00%
\$ -	2000	\$ -	\$ -	
\$ -0.0073		\$ -	\$ 14.60	-100.00%
\$ -	2000	\$ -	\$ -	
\$ -	2000	\$ -	\$ -	
\$ 0.0011	2000	\$ 2.20	\$ -	0.00%
\$ 0.0950	78.6	\$ 7.47	\$ -	0.00%
\$ 0.7900	1	\$ 0.79	\$ -	0.00%
		\$ 60.46	\$ 5.16	9.33%
\$ 0.0063	2079	\$ 13.10	\$ -	0.00%
\$ 0.0051	2079	\$ 10.60	\$ -	0.00%
		\$ 84.15	\$ 5.16	6.53%
\$ 0.0044	2079	\$ 9.15	\$ -	0.00%
\$ 0.0013	2079	\$ 2.70	\$ -	0.00%
\$ 0.2500	1	\$ 0.25	\$ -	0.00%
\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
\$ 0.0770	1280	\$ 98.56	\$ -	0.00%
\$ 0.1140	360	\$ 41.04	\$ -	0.00%
\$ 0.1400	360	\$ 50.40	\$ -	0.00%
		\$ 300.25	\$ 5.16	1.75%
13%		\$ 39.03	\$ 0.67	1.75%
		\$ 339.28	\$ 5.83	1.75%
		\$ -33.93	\$ -0.58	1.74%
		\$ 305.35	\$ 5.25	1.75%
		\$ 254.45	\$ 5.16	2.07%
13%		\$ 33.08	\$ 0.67	2.07%
		\$ 287.53	\$ 5.83	2.07%
		\$ -28.75	\$ -0.58	2.06%
		\$ 258.78	\$ 5.25	2.07%

Loss Factor (%)

3.44%

3.93%

3.93%

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 25.8500	1	\$ 25.85	\$ 26.8400	1	\$ 26.84	\$ 0.99	3.83%
Distribution Volumetric Rate	per kWh \$ 0.0106	2000	\$ 21.20	\$ 0.0109	2000	\$ 21.80	\$ 0.60	2.83%
<b>"Regular" Distribution Only</b>			\$ 47.05			\$ 48.64	\$ 1.59	3.38%

2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
\$ 27.6000	1	\$ 27.60	\$ 0.76	2.83%
\$ 0.0112	2000	\$ 22.40	\$ 0.60	2.75%
		\$ 50.00	\$ 1.36	2.80%

Customer Class:

General Service Less Than 50 kW

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 28.1600	1	\$ 28.16	\$ 0.56	2.03%	\$ 28.6000	1	\$ 28.60	\$ 0.44	1.56%	\$ 28.8300	1	\$ 28.83	\$ 0.23	0.80%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters (2016)	\$ 9.3700		\$ -	\$ -		\$ 9.3700		\$ -	\$ -		\$ 9.3700		\$ -	\$ -	
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0116	2000	\$ 23.20	\$ 0.80	3.57%	\$ 0.0121	2000	\$ 24.20	\$ 1.00	4.31%	\$ 0.0125	2000	\$ 25.00	\$ 0.80	3.31%
Rate Rider Tax Change (2015)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
LRAM VA (2016)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 51.36	\$ 1.36	2.72%			\$ 52.80	\$ 1.44	2.80%			\$ 53.83	\$ 1.03	1.95%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	\$ 0.0073		\$ -	\$ -		\$ 0.0073		\$ -	\$ -		\$ 0.0073		\$ -	\$ -	
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950		\$ 7.47	\$ -	0.00%	\$ 0.0950		\$ 7.47	\$ -	0.00%	\$ 0.0950		\$ 7.47	\$ -	0.00%
Smart Meter Entity Charge	\$ 0.7900	1	\$ 0.79	\$ -	0.00%	\$ 0.7900	1	\$ 0.79	\$ -	0.00%	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 61.82	\$ 1.36	2.25%			\$ 63.26	\$ 1.44	2.33%			\$ 64.29	\$ 1.03	1.63%
RTSR - Network	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 85.51	\$ 1.36	1.62%			\$ 86.95	\$ 1.44	1.68%			\$ 87.98	\$ 1.03	1.18%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	360	\$ 41.04	\$ -	0.00%	\$ 0.1140	360	\$ 41.04	\$ -	0.00%	\$ 0.1140	360	\$ 41.04	\$ -	0.00%
TOU - On Peak	\$ 0.1400	360	\$ 50.40	\$ -	0.00%	\$ 0.1400	360	\$ 50.40	\$ -	0.00%	\$ 0.1400	360	\$ 50.40	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 301.61	\$ 1.36	0.45%			\$ 303.05	\$ 1.44	0.48%			\$ 304.08	\$ 1.03	0.34%
HST	13%		\$ 39.21	\$ 0.18	0.45%	13%		\$ 39.40	\$ 0.19	0.48%	13%		\$ 39.53	\$ 0.13	0.34%
<b>Total Bill (including HST)</b>			\$ 340.82	\$ 1.54	0.45%			\$ 342.45	\$ 1.63	0.48%			\$ 343.61	\$ 1.16	0.34%
Ontario Clean Energy Benefit <sup>1</sup>			\$ -34.08	\$ -0.15	0.44%			\$ -34.24	\$ -0.16	0.47%			\$ -34.36	\$ -0.12	0.35%
<b>Total Bill on TOU (including OCEB)</b>			\$ 306.74	\$ 1.39	0.45%			\$ 308.21	\$ 1.47	0.48%			\$ 309.25	\$ 1.04	0.34%
<b>Total Bill on RPP (before Taxes)</b>			\$ 255.81	\$ 1.36	0.53%			\$ 257.25	\$ 1.44	0.56%			\$ 258.28	\$ 1.03	0.40%
HST	13%		\$ 33.26	\$ 0.18	0.53%	13%		\$ 33.44	\$ 0.19	0.56%	13%		\$ 33.58	\$ 0.13	0.40%
<b>Total Bill (including HST)</b>			\$ 289.07	\$ 1.54	0.53%			\$ 290.69	\$ 1.63	0.56%			\$ 291.86	\$ 1.16	0.40%
Ontario Clean Energy Benefit <sup>1</sup>			\$ -28.91	\$ -0.16	0.56%			\$ -29.07	\$ -0.16	0.55%			\$ -29.19	\$ -0.12	0.41%
<b>Total Bill on RPP (including OCEB)</b>			\$ 260.16	\$ 1.38	0.53%			\$ 261.62	\$ 1.47	0.56%			\$ 262.67	\$ 1.04	0.40%

Loss Factor (%) 3.93%

3.93%

3.93%

Distribution Excluding Rate Riders

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 28.1600	1	\$ 28.16	\$ 0.56	2.03%	\$ 28.6000	1	\$ 28.60	\$ 0.44	1.56%	\$ 28.8300	1	\$ 28.83	\$ 0.23	0.80%
Distribution Volumetric Rate	\$ 0.0116	2000	\$ 23.20	\$ 0.80	3.57%	\$ 0.0121	2000	\$ 24.20	\$ 1.00	4.31%	\$ 0.0125	2000	\$ 25.00	\$ 0.80	3.31%
<b>"Regular" Distribution Only</b>			\$ 51.36	\$ 1.36	2.72%			\$ 52.80	\$ 1.44	2.80%			\$ 53.83	\$ 1.03	1.95%

**Appendix 2-W  
Bill Impacts**

Customer Class: **General Service 50 to 4,999 kW**

General Service 50 to 4,999 kW

TOU / non-TOU: **TOU**

Consumption Load: **40,000 kWh**  May 1 - October 31  November 1 - April 30 (Select this radio button for applications filed after Oct 31)  
**60 kW**

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	%
Monthly Service Charge	\$ 280.0900	1	\$ 280.09	\$ 314.2800	1	\$ 314.28	\$ 34.19	12.21%	\$ 322.9900	1	\$ 322.99	\$ 8.71	2.77%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 2.0063	60	\$ 120.38	\$ 2.0517	60	\$ 123.10	\$ 2.72	2.26%	\$ 2.1314	60	\$ 127.88	\$ 4.78	3.88%
Rate Rider Tax Change (2015)	-\$ 0.0099	60	-\$ 0.59	\$ -	60	\$ -	\$ 0.59	-100.00%	\$ -	60	\$ -	\$ -	
LRAM VA (2016)	\$ -	60	\$ -	\$ 0.0293	60	\$ 1.76	\$ 1.76	100.00%	\$ -	60	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	60	\$ -	\$ 0.0380	60	\$ 2.28	\$ 2.28	100.00%	\$ -	60	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 399.87</b>			<b>\$ 441.42</b>	<b>\$ 41.55</b>	<b>10.39%</b>			<b>\$ 450.87</b>	<b>\$ 9.45</b>	<b>2.14%</b>
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	60	\$ -	\$ 0.7402	60	\$ 44.41	\$ 44.41	100.00%	\$ -	60	\$ -	\$ -	
Deferral/Variance Account Disposition Rate Rider (2016), excluding Wholesale Market Participants	\$ -	60	\$ -	-\$ 1.1043	60	-\$ 66.26	-\$ 66.26	100.00%	\$ -	60	\$ -	\$ 66.26	-100.00%
Rate Rider CGAAP Account 1576 (2016)	\$ -	60	\$ -	-\$ 1.1226	60	-\$ 67.36	-\$ 67.36	100.00%	-\$ 1.1226		\$ -	\$ 67.36	-100.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	\$ 5.7342		\$ -	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	\$ -	60	\$ -	\$ 4.9999		\$ -	\$ -		\$ -	60	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.2520	60	\$ 15.12	\$ 0.4669	60	\$ 28.01	\$ 12.89	85.28%	\$ 0.4669	60	\$ 28.01	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	1,376	\$ 130.72	\$ 0.0950	1572	\$ 149.34	\$ 18.62	14.24%	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%
Smart Meter Entity Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 545.71</b>			<b>\$ 529.57</b>	<b>-\$ 16.14</b>	<b>-2.96%</b>			<b>\$ 628.23</b>	<b>\$ 98.66</b>	<b>18.63%</b>
RTSR - Network	\$ 2.6313	60	\$ 157.88	\$ 2.7797	60	\$ 166.78	\$ 8.90	5.64%	\$ 2.7797	60	\$ 166.78	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 2.0128	60	\$ 120.77	\$ 2.2225	60	\$ 133.35	\$ 12.58	10.42%	\$ 2.2225	60	\$ 133.35	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 824.36</b>			<b>\$ 829.70</b>	<b>\$ 5.34</b>	<b>0.65%</b>			<b>\$ 928.36</b>	<b>\$ 98.66</b>	<b>11.83%</b>
Wholesale Market Service Charge (WVSC)	\$ 0.0044	41376	\$ 182.05	\$ 0.0044	41572	\$ 182.92	\$ 0.86	0.47%	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	41376	\$ 53.79	\$ 0.0013	41572	\$ 54.04	\$ 0.25	0.47%	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	40000	\$ 280.00	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	25600	\$ 1,971.20	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	7200	\$ 820.80	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%
TOU - On Peak	\$ 0.1400	7200	\$ 1,008.00	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 5,140.45</b>			<b>\$ 5,146.91</b>	<b>\$ 6.46</b>	<b>0.13%</b>			<b>\$ 5,245.57</b>	<b>\$ 98.66</b>	<b>1.92%</b>
HST		13%	\$ 668.26		13%	\$ 669.10	\$ 0.84	0.13%		13%	\$ 681.92	\$ 12.83	1.92%
<b>Total Bill (including HST)</b>			<b>\$ 5,808.71</b>			<b>\$ 5,816.01</b>	<b>\$ 7.30</b>	<b>0.13%</b>			<b>\$ 5,927.49</b>	<b>\$ 111.48</b>	<b>1.92%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>							<b>\$ -</b>					<b>\$ -</b>	
<b>Total Bill on TOU (including OCEB)</b>			<b>\$ 5,808.71</b>			<b>\$ 5,816.01</b>	<b>\$ 7.30</b>	<b>0.13%</b>			<b>\$ 5,927.49</b>	<b>\$ 111.48</b>	<b>1.92%</b>
<b>Total Bill on RPP (before Taxes)</b>			<b>\$ 5,398.65</b>			<b>\$ 5,405.11</b>	<b>\$ 6.46</b>	<b>0.12%</b>			<b>\$ 5,503.77</b>	<b>\$ 98.66</b>	<b>1.83%</b>
HST		13%	\$ 701.82		13%	\$ 702.66	\$ 0.84	0.12%		13%	\$ 715.49	\$ 12.83	1.83%
<b>Total Bill (including HST)</b>			<b>\$ 6,100.48</b>			<b>\$ 6,107.78</b>	<b>\$ 7.30</b>	<b>0.12%</b>			<b>\$ 6,219.26</b>	<b>\$ 111.48</b>	<b>1.83%</b>
<b>Ontario Clean Energy Benefit <sup>1</sup></b>							<b>\$ -</b>					<b>\$ -</b>	
<b>Total Bill on RPP (including OCEB)</b>			<b>\$ 6,100.48</b>			<b>\$ 6,107.78</b>	<b>\$ 7.30</b>	<b>0.12%</b>			<b>\$ 6,219.26</b>	<b>\$ 111.48</b>	<b>1.83%</b>

Loss Factor (%) **3.44%**

**3.93%**

**3.93%**

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	%
Monthly Service Charge	\$ 280.09	1	\$ 280.09	\$ 314.28	1	\$ 314.28	\$ 34.19	12.21%	\$ 322.99	1	\$ 322.99	\$ 8.71	2.77%
Distribution Volumetric Rate	\$ 2.0063	60	\$ 120.38	\$ 2.0517	60	\$ 123.10	\$ 2.72	2.26%	\$ 2.1314	60	\$ 127.88	\$ 4.78	3.88%
<b>"Regular" Distribution Only</b>			<b>\$ 400.47</b>			<b>\$ 437.38</b>	<b>\$ 36.91</b>	<b>9.22%</b>			<b>\$ 450.87</b>	<b>\$ 13.49</b>	<b>3.08%</b>

Customer Class:

General Service 50 to 4,999 kW

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 330.5400	1	\$ 330.54	\$ 7.55	2.34%	\$ 337.9000	1	\$ 337.90	\$ 7.36	2.23%	\$ 342.7500	1	\$ 342.75	\$ 4.85	1.44%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 2.2143	60	\$ 132.86	\$ 4.97	3.89%	\$ 2.2986	60	\$ 137.92	\$ 5.06	3.81%	\$ 2.3661	60	\$ 141.97	\$ 4.05	2.94%
Rate Rider Tax Change (2015)	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
LRAM VA (2016)	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 463.40	\$ 12.52	2.78%			\$ 475.82	\$ 12.42	2.68%			\$ 484.72	\$ 8.90	1.87%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Deferral/Variance Account Disposition Rate Rider (2016), excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 1.1226		\$ -	\$ -		-\$ 1.1226		\$ -	\$ -		-\$ 1.1226		\$ -	\$ -	
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.4669	60	\$ 28.01	\$ -	0.00%	\$ 0.4669	60	\$ 28.01	\$ -	0.00%	\$ 0.4669	60	\$ 28.01	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%
Smart Meter Entity Charge	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 640.75	\$ 12.52	1.99%			\$ 653.17	\$ 12.42	1.94%			\$ 662.07	\$ 8.90	1.36%
RTSR - Network	\$ 2.7797	60	\$ 166.78	\$ -	0.00%	\$ 2.7797	60	\$ 166.78	\$ -	0.00%	\$ 2.7797	60	\$ 166.78	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 2.2225	60	\$ 133.35	\$ -	0.00%	\$ 2.2225	60	\$ 133.35	\$ -	0.00%	\$ 2.2225	60	\$ 133.35	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 940.88	\$ 12.52	1.35%			\$ 953.30	\$ 12.42	1.32%			\$ 962.20	\$ 8.90	0.93%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%
TOU - On Peak	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 5,258.09	\$ 12.52	0.24%			\$ 5,270.51	\$ 12.42	0.24%			\$ 5,279.41	\$ 8.90	0.17%
HST	13%		\$ 683.55	\$ 1.63	0.24%	13%		\$ 685.17	\$ 1.61	0.24%	13%		\$ 686.32	\$ 1.16	0.17%
<b>Total Bill (including HST)</b>			\$ 5,941.65	\$ 14.15	0.24%			\$ 5,955.68	\$ 14.03	0.24%			\$ 5,965.74	\$ 10.06	0.17%
<b>Ontario Clean Energy Benefit<sup>1</sup></b>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			\$ 5,941.65	\$ 14.15	0.24%			\$ 5,955.68	\$ 14.03	0.24%			\$ 5,965.74	\$ 10.06	0.17%
<b>Total Bill on RPP (before Taxes)</b>			\$ 5,516.29	\$ 12.52	0.23%			\$ 5,528.71	\$ 12.42	0.23%			\$ 5,537.61	\$ 8.90	0.16%
HST	13%		\$ 717.12	\$ 1.63	0.23%	13%		\$ 718.73	\$ 1.61	0.23%	13%		\$ 719.89	\$ 1.16	0.16%
<b>Total Bill (including HST)</b>			\$ 6,233.41	\$ 14.15	0.23%			\$ 6,247.45	\$ 14.03	0.23%			\$ 6,257.50	\$ 10.06	0.16%
<b>Ontario Clean Energy Benefit<sup>1</sup></b>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			\$ 6,233.41	\$ 14.15	0.23%			\$ 6,247.45	\$ 14.03	0.23%			\$ 6,257.50	\$ 10.06	0.16%

Loss Factor (%) 3.93%

Distribution Excluding Rate Riders

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2019 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 330.54	1	\$ 330.54	\$ 7.55	2.34%	\$ 337.9000	1	\$ 337.90	\$ 7.36	2.23%	\$ 342.7500	1	\$ 342.75	\$ 4.85	1.44%
Distribution Volumetric Rate	\$ 2.2143	60	\$ 132.86	\$ 4.97	3.89%	\$ 2.2986	60	\$ 137.92	\$ 5.06	3.81%	\$ 2.3661	60	\$ 141.97	\$ 4.05	2.94%
<b>"Regular" Distribution Only</b>			\$ 463.40	\$ 12.52	2.78%			\$ 475.82	\$ 12.42	2.68%			\$ 484.72	\$ 8.90	1.87%



**Appendix 2-W  
Bill Impacts**

Customer Class: **Large Use**

**Large Use**

TOU / non-TOU: **TOU**

Consumption  5,000,000 kWh May 1 - October 31  November 1 - April 30 (Select this radio button for applications filed after Oct 31)  
Load  8,000 kW

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 5,164.00	1	\$ 5,164.00	\$ 5,734.00	1	\$ 5,734.00	\$ 570.00	11.04%	\$ 5,880.00	1	\$ 5,880.00	\$ 146.00	2.55%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	per kW \$ 1.0535	8,000	\$ 8,428.00	\$ 1.1818	8,000	\$ 9,454.40	\$ 1,026.40	12.18%	\$ 1.2250	8,000	\$ 9,800.00	\$ 345.60	3.66%
Rate Rider Tax Change (2015)	per kW -\$ 0.0045	8,000	\$ 36.00	\$ -	8,000	\$ -	\$ 36.00	-100.00%	\$ -	8,000	\$ -	\$ -	
LRAM VA (2016)	per kW \$ 0.0000	8,000	\$ -	\$ 0.0277	8,000	\$ 221.60	\$ 221.60		\$ -	8,000	\$ -	-\$ 221.60	-100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	per kW \$ -	8,000	\$ -	\$ 0.0182	8,000	\$ 145.60	\$ 145.60		\$ -	8,000	\$ -	-\$ 145.60	-100.00%
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 13,556.00</b>			<b>\$ 15,555.60</b>	<b>\$ 1,999.60</b>	<b>14.75%</b>			<b>\$ 15,680.00</b>	<b>\$ 124.40</b>	<b>0.80%</b>
Deferral/Variance Account Disposition Rate Rider (2016)	per kW \$ -	8,000	\$ -	-\$ 0.5530	8,000	-\$ 4,424.00	-\$ 4,424.00		\$ -	8,000	\$ -	\$ 4,424.00	-100.00%
Rate Rider CGAAP Account 1576 (2016)	per kW \$ -	8,000	\$ -	-\$ 0.5365	8,000	-\$ 4,292.00	-\$ 4,292.00		-\$ 0.5365		\$ -	\$ 4,292.00	-100.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kW \$ -	8,000	\$ -		8,000	\$ -	\$ -			8,000	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kW \$ -	8,000	\$ -		8,000	\$ -	\$ -			8,000	\$ -	\$ -	
Low Voltage Service Charge	per kW \$ 0.3036	8,000	\$ 2,428.80	\$ 0.5625	8,000	\$ 4,500.00	\$ 2,071.20	85.28%	\$ 0.5625	8,000	\$ 4,500.00	\$ -	0.00%
Line Losses on Cost of Power	per kWh \$ 0.0950	90,000	\$ 8,550.00	\$ 0.0950	94,000	\$ 8,930.00	\$ 380.00	4.44%	\$ 0.0950	94,000	\$ 8,930.00	\$ -	0.00%
Smart Meter Entity Charge	per kWh \$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 24,534.80</b>			<b>\$ 20,269.60</b>	<b>-\$ 4,265.20</b>	<b>-17.38%</b>			<b>\$ 29,110.00</b>	<b>\$ 8,840.40</b>	<b>43.61%</b>
RTSR - Network	per kW \$ 3.1704	8,000	\$ 25,363.20	\$ 3.3492	8,000	\$ 26,793.60	\$ 1,430.40	5.64%	\$ 3.3492	8,000	\$ 26,793.60	\$ -	0.00%
RTSR - Line and Transformation Connection	per kW \$ 2.4253	8,000	\$ 19,402.40	\$ 2.6780	8,000	\$ 21,424.00	\$ 2,021.60	10.42%	\$ 2.6780	8,000	\$ 21,424.00	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 69,300.40</b>			<b>\$ 68,487.20</b>	<b>-\$ 813.20</b>	<b>-1.17%</b>			<b>\$ 77,327.60</b>	<b>\$ 8,840.40</b>	<b>12.91%</b>
Wholesale Market Service Charge (WMSC)	per kWh \$ 0.0044	5090000	\$ 22,396.00	\$ 0.0044	5094000	\$ 22,413.60	\$ 17.60	0.08%	\$ 0.0044	5094000	\$ 22,413.60	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh \$ 0.0013	5090000	\$ 6,617.00	\$ 0.0013	5094000	\$ 6,622.20	\$ 5.20	0.08%	\$ 0.0013	5094000	\$ 6,622.20	\$ -	0.00%
Standard Supply Service Charge	Monthly \$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh \$ 0.0070	5000000	\$ 35,000.00	\$ 0.0070	5000000	\$ 35,000.00	\$ -	0.00%	\$ 0.0070	5000000	\$ 35,000.00	\$ -	0.00%
TOU - Off Peak	per kWh \$ 0.0770	3200000	\$ 246,400.00	\$ 0.0770	3200000	\$ 246,400.00	\$ -	0.00%	\$ 0.0770	3200000	\$ 246,400.00	\$ -	0.00%
TOU - Mid Peak	per kWh \$ 0.1140	900000	\$ 102,600.00	\$ 0.1140	900000	\$ 102,600.00	\$ -	0.00%	\$ 0.1140	900000	\$ 102,600.00	\$ -	0.00%
TOU - On Peak	per kWh \$ 0.1400	900000	\$ 126,000.00	\$ 0.1400	900000	\$ 126,000.00	\$ -	0.00%	\$ 0.1400	900000	\$ 126,000.00	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$608,313.65</b>			<b>\$607,523.25</b>	<b>-\$ 790.40</b>	<b>-0.13%</b>			<b>\$616,363.65</b>	<b>\$ 8,840.40</b>	<b>1.46%</b>
HST	13%		\$ 79,080.77	13%		\$ 78,978.02	-\$ 102.75	-0.13%	13%		\$ 80,127.27	\$ 1,149.25	1.46%
<b>Total Bill (including HST)</b>			<b>\$687,394.42</b>			<b>\$686,501.27</b>	<b>-\$ 893.15</b>	<b>-0.13%</b>			<b>\$696,490.92</b>	<b>\$ 9,989.65</b>	<b>1.46%</b>
<i>Ontario Clean Energy Benefit <sup>1</sup></i>							\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			<b>\$687,394.42</b>			<b>\$686,501.27</b>	<b>-\$ 893.15</b>	<b>-0.13%</b>			<b>\$696,490.92</b>	<b>\$ 9,989.65</b>	<b>1.46%</b>
<b>Total Bill on RPP (before Taxes)</b>			<b>\$648,251.85</b>			<b>\$647,461.45</b>	<b>-\$ 790.40</b>	<b>-0.12%</b>			<b>\$656,301.85</b>	<b>\$ 8,840.40</b>	<b>1.37%</b>
HST	13%		\$ 84,272.74	13%		\$ 84,169.99	-\$ 102.75	-0.12%	13%		\$ 85,319.24	\$ 1,149.25	1.37%
<b>Total Bill (including HST)</b>			<b>\$732,524.59</b>			<b>\$731,631.44</b>	<b>-\$ 893.15</b>	<b>-0.12%</b>			<b>\$741,621.09</b>	<b>\$ 9,989.65</b>	<b>1.37%</b>
<i>Ontario Clean Energy Benefit <sup>1</sup></i>							\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			<b>\$732,524.59</b>			<b>\$731,631.44</b>	<b>-\$ 893.15</b>	<b>-0.12%</b>			<b>\$741,621.09</b>	<b>\$ 9,989.65</b>	<b>1.37%</b>

Loss Factor (%)

**1.80%**

**1.88%**

**1.88%**

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 5,164.00	1	\$ 5,164.00	\$ 5,734.00	1	\$ 5,734.00	\$ 570.00	11.04%	\$ 5,880.00	1	\$ 5,880.00	\$ 146.00	2.55%
Distribution Volumetric Rate	per kW \$ 1.0535	8,000	\$ 8,428.00	\$ 1.1818	8,000	\$ 9,454.40	\$ 1,026.40	12.18%	\$ 1.2250	8,000	\$ 9,800.00	\$ 345.60	3.66%
<b>*Regular* Distribution Only</b>			<b>\$ 13,592.00</b>			<b>\$ 15,188.40</b>	<b>\$ 1,596.40</b>	<b>11.75%</b>			<b>\$ 15,680.00</b>	<b>\$ 491.60</b>	<b>3.24%</b>

Customer Class:

Large Use

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6,076.00	1	\$ 6,076.00	\$ 196.00	3.33%	\$ 6,275.85	1	\$ 6,275.85	\$ 199.85	3.29%	\$ 6,430.75	1	\$ 6,430.75	\$ 154.90	2.47%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 1.2597	8,000	\$ 10,077.60	\$ 277.60	2.83%	\$ 1.2938	8,000	\$ 10,350.40	\$ 272.80	2.71%	\$ 1.3187	8,000	\$ 10,549.60	\$ 199.20	1.92%
Rate Rider Tax Change (2015)	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
LRAM VA (2016)	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 16,153.60</b>	<b>\$ 473.60</b>	<b>3.02%</b>			<b>\$ 16,626.25</b>	<b>\$ 472.65</b>	<b>2.93%</b>			<b>\$ 16,980.35</b>	<b>\$ 354.10</b>	<b>2.13%</b>
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.5365	8,000	\$ -	\$ -		-\$ 0.5365	8,000	\$ -	\$ -		-\$ 0.5365	8,000	\$ -	\$ -	
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers		8,000	\$ -	\$ -			8,000	\$ -	\$ -			8,000	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers		8,000	\$ -	\$ -			8,000	\$ -	\$ -			8,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.5625	8,000	\$ 4,500.00	\$ -	0.00%	\$ 0.5625	8,000	\$ 4,500.00	\$ -	0.00%	\$ 0.5625	8,000	\$ 4,500.00	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	94000	\$ 8,930.00	\$ -	0.00%	\$ 0.0950	94000	\$ 8,930.00	\$ -	0.00%	\$ 0.0950	94000	\$ 8,930.00	\$ -	0.00%
Smart Meter Entity Charge	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 29,583.60</b>	<b>\$ 473.60</b>	<b>1.63%</b>			<b>\$ 30,056.25</b>	<b>\$ 472.65</b>	<b>1.60%</b>			<b>\$ 30,410.35</b>	<b>\$ 354.10</b>	<b>1.18%</b>
RTSR - Network	\$ 3.3492	8000	\$ 26,793.60	\$ -	0.00%	\$ 3.3492	8000	\$ 26,793.60	\$ -	0.00%	\$ 3.3492	8000	\$ 26,793.60	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 2.6780	8000	\$ 21,424.00	\$ -	0.00%	\$ 2.6780	8000	\$ 21,424.00	\$ -	0.00%	\$ 2.6780	8000	\$ 21,424.00	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 77,801.20</b>	<b>\$ 473.60</b>	<b>0.61%</b>			<b>\$ 78,273.85</b>	<b>\$ 472.65</b>	<b>0.61%</b>			<b>\$ 78,627.95</b>	<b>\$ 354.10</b>	<b>0.45%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0044	5094000	\$ 22,413.60	\$ -	0.00%	\$ 0.0044	5094000	\$ 22,413.60	\$ -	0.00%	\$ 0.0044	5094000	\$ 22,413.60	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	5094000	\$ 6,622.20	\$ -	0.00%	\$ 0.0013	5094000	\$ 6,622.20	\$ -	0.00%	\$ 0.0013	5094000	\$ 6,622.20	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	5000000	\$ 35,000.00	\$ -	0.00%	\$ 0.0070	5000000	\$ 35,000.00	\$ -	0.00%	\$ 0.0070	5000000	\$ 35,000.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	3200000	\$246,400.00	\$ -	0.00%	\$ 0.0770	3200000	\$246,400.00	\$ -	0.00%	\$ 0.0770	3200000	\$246,400.00	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	900000	\$102,600.00	\$ -	0.00%	\$ 0.1140	900000	\$102,600.00	\$ -	0.00%	\$ 0.1140	900000	\$102,600.00	\$ -	0.00%
TOU - On Peak	\$ 0.1400	900000	\$126,000.00	\$ -	0.00%	\$ 0.1400	900000	\$126,000.00	\$ -	0.00%	\$ 0.1400	900000	\$126,000.00	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>	13%		<b>\$616,837.25</b>	<b>\$ 473.60</b>	<b>0.08%</b>	13%		<b>\$617,309.90</b>	<b>\$ 472.65</b>	<b>0.08%</b>	13%		<b>\$617,664.00</b>	<b>\$ 354.10</b>	<b>0.06%</b>
HST			\$ 80,188.84	\$ 61.57	0.08%			\$ 80,250.29	\$ 61.44	0.08%			\$ 80,296.32	\$ 46.03	0.06%
Total Bill (including HST)			\$697,026.09	\$ 535.17	0.08%			\$697,560.19	\$ 534.09	0.08%			\$697,960.32	\$ 400.13	0.06%
Ontario Clean Energy Benefit <sup>1</sup>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			<b>\$697,026.09</b>	<b>\$ 535.17</b>	<b>0.08%</b>			<b>\$697,560.19</b>	<b>\$ 534.09</b>	<b>0.08%</b>			<b>\$697,960.32</b>	<b>\$ 400.13</b>	<b>0.06%</b>
<b>Total Bill on RPP (before Taxes)</b>	13%		<b>\$656,775.45</b>	<b>\$ 473.60</b>	<b>0.07%</b>	13%		<b>\$657,248.10</b>	<b>\$ 472.65</b>	<b>0.07%</b>	13%		<b>\$657,602.20</b>	<b>\$ 354.10</b>	<b>0.05%</b>
HST			\$ 85,380.81	\$ 61.57	0.07%			\$ 85,442.25	\$ 61.44	0.07%			\$ 85,488.29	\$ 46.03	0.05%
Total Bill (including HST)			\$742,156.26	\$ 535.17	0.07%			\$742,690.35	\$ 534.09	0.07%			\$743,090.49	\$ 400.13	0.05%
Ontario Clean Energy Benefit <sup>1</sup>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			<b>\$742,156.26</b>	<b>\$ 535.17</b>	<b>0.07%</b>			<b>\$742,690.35</b>	<b>\$ 534.09</b>	<b>0.07%</b>			<b>\$743,090.49</b>	<b>\$ 400.13</b>	<b>0.05%</b>

Loss Factor (%) 1.88%

1.88%

1.88%

Distribution Excluding Rate Riders

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2019 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6,076.00	1	\$ 6,076.00	\$ 196.00	3.33%	\$ 6,275.85	1	\$ 6,275.85	\$ 199.85	3.29%	\$ 6,430.75	1	\$ 6,430.75	\$ 154.90	2.47%
Distribution Volumetric Rate	\$ 1.2597	8,000	\$ 10,077.60	\$ 277.60	2.83%	\$ 1.2938	8,000	\$ 10,350.40	\$ 272.80	2.71%	\$ 1.3187	8,000	\$ 10,549.60	\$ 199.20	1.92%
<b>*Regular* Distribution Only</b>			<b>\$ 16,153.60</b>	<b>\$ 473.60</b>	<b>3.02%</b>			<b>\$ 16,626.25</b>	<b>\$ 472.65</b>	<b>2.93%</b>			<b>\$ 16,980.35</b>	<b>\$ 354.10</b>	<b>2.13%</b>

**Appendix 2-W  
Bill Impacts**

Customer Class: **Unmetered Scattered Load**

**Unmetered Scattered Load**

TOU / non-TOU: **TOU**

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

	Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 11.5500	1	\$ 11.55	\$ 6.1500	1	\$ 6.15	-\$ 5.40	-46.75%	\$ 6.3500	1	\$ 6.35	\$ 0.20	3.25%
Smart Meter (SMIRR) Rate Rider	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
		\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
		\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh	\$ 0.0141	750	\$ 10.58	\$ 0.0122	750	\$ 9.15	-\$ 1.43	-13.48%	\$ 0.0127	750	\$ 9.53	\$ 0.38	4.10%
Rate Rider Tax Change (2015)	per kWh	-\$ 0.0001	750	-\$ 0.08	\$ -	750	\$ -	\$ 0.08	-100.00%	\$ -	750	\$ -	\$ -	
LRAM VA (2016)	per kWh	\$ -	750	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	per kWh	\$ -	750	\$ -	\$ 0.0002	750	\$ 0.15	\$ 0.15		\$ -	750	\$ -	-\$ 0.15	-100.00%
		\$ -	750	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
		\$ -	750	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
		\$ -	750	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
		\$ -	750	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
		\$ -	750	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
		\$ -	750	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>				\$ 22.05			\$ 15.45	-\$ 6.60	-29.93%			\$ 15.88	\$ 0.42	2.75%
Deferral/Variance Account Disposition Rate Rider (2016)	per kWh	\$ -	750	\$ -	\$ 0.0005	750	\$ 0.38	\$ 0.38		\$ -	750	\$ -	-\$ 0.38	-100.00%
Rate Rider CGAAP Account 1576 (2016)	per kWh	\$ -	750	\$ -	-\$ 0.0066	750	-\$ 4.95	-\$ 4.95		-\$ 0.0066		\$ -	\$ 4.95	-100.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kWh	\$ 0.0156	0	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kWh	\$ -	750	\$ -	\$ 0.0137	0	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	per kWh	\$ 0.0007	750	\$ 0.53	\$ 0.0012	750	\$ 0.90	\$ 0.38	71.43%	\$ 0.0012	750	\$ 0.90	\$ -	0.00%
Line Losses on Cost of Power	per kWh	\$ 0.0950	25.8	\$ 2.45	\$ 0.0950	29.475	\$ 2.80	\$ 0.35	14.24%	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%
Smart Meter Entity Charge	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 25.03			\$ 14.58	-\$ 10.45	-41.76%			\$ 19.58	\$ 5.00	34.31%
RTSR - Network	per kWh	\$ 0.0067	776	\$ 5.20	\$ 0.0071	779	\$ 5.53	\$ 0.34	6.47%	\$ 0.0071	779	\$ 5.53	\$ -	0.00%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0051	776	\$ 3.96	\$ 0.0056	779	\$ 4.37	\$ 0.41	10.32%	\$ 0.0056	779	\$ 4.37	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 34.18			\$ 24.47	-\$ 9.71	-28.40%			\$ 29.47	\$ 5.00	20.43%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0044	776	\$ 3.41	\$ 0.0044	779	\$ 3.43	\$ 0.02	0.47%	\$ 0.0044	779	\$ 3.43	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	776	\$ 1.01	\$ 0.0013	779	\$ 1.01	\$ 0.00	0.47%	\$ 0.0013	779	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	750	\$ 5.25	\$ 0.0070	750	\$ 5.25	\$ -	0.00%	\$ 0.0070	750	\$ 5.25	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0770	480	\$ 36.96	\$ 0.0770	480	\$ 36.96	\$ -	0.00%	\$ 0.0770	480	\$ 36.96	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1140	135	\$ 15.39	\$ 0.1140	135	\$ 15.39	\$ -	0.00%	\$ 0.1140	135	\$ 15.39	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1400	135	\$ 18.90	\$ 0.1400	135	\$ 18.90	\$ -	0.00%	\$ 0.1400	135	\$ 18.90	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>				\$ 115.35			\$ 105.67	-\$ 9.69	-8.40%			\$ 110.67	\$ 5.00	4.73%
HST		13%		\$ 15.00	13%		\$ 13.74	-\$ 1.26	-8.40%	13%		\$ 14.39	\$ 0.65	4.73%
<b>Total Bill (including HST)</b>				\$ 130.35			\$ 119.40	-\$ 10.94	-8.40%			\$ 125.05	\$ 5.65	4.73%
<i>Ontario Clean Energy Benefit<sup>1</sup></i>				-\$ 13.03			\$ -	\$ 13.03	-100.00%			\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>				\$ 117.32			\$ 119.40	\$ 2.09	1.78%			\$ 125.05	\$ 5.65	4.73%
<b>Total Bill on RPP (before Taxes)</b>				\$ 112.35			\$ 102.67	-\$ 9.69	-8.62%			\$ 107.67	\$ 5.00	4.87%
HST		13%		\$ 14.61	13%		\$ 13.35	-\$ 1.26	-8.62%	13%		\$ 14.00	\$ 0.65	4.87%
<b>Total Bill (including HST)</b>				\$ 126.96			\$ 116.01	-\$ 10.94	-8.62%			\$ 121.66	\$ 5.65	4.87%
<i>Ontario Clean Energy Benefit<sup>1</sup></i>				-\$ 12.70			\$ -	\$ 12.70	-100.00%			\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>				\$ 114.26			\$ 116.01	\$ 1.76	1.54%			\$ 121.66	\$ 5.65	4.87%

Loss Factor (%)		3.44%	3.93%	3.93%										
Distribution Excluding Rate Riders														
	Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 11.5500	1	\$ 11.55	\$ 6.1500	1	\$ 6.15	-\$ 5.40	-46.75%	\$ 6.3500	1	\$ 6.35	\$ 0.20	3.25%
Distribution Volumetric Rate	per kWh	\$ 0.0141	750	\$ 10.58	\$ 0.0122	750	\$ 9.15	-\$ 1.43	-13.48%	\$ 0.0127	750	\$ 9.53	\$ 0.38	4.10%
<b>"Regular" Distribution Only</b>				\$ 22.13			\$ 15.30	-\$ 6.83	-30.85%			\$ 15.88	\$ 0.57	3.76%

Customer Class:

Unmetered Scattered Load

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6.5600	1	\$ 6.56	\$ 0.21	3.31%	\$ 6.7300	1	\$ 6.73	\$ 0.17	2.69%	\$ 6.8500	1	\$ 6.85	\$ 0.12	1.78%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0130	750	\$ 9.75	\$ 0.23	2.36%	\$ 0.0133	750	\$ 9.98	\$ 0.23	2.31%	\$ 0.0136	750	\$ 10.20	\$ 0.23	2.26%
Rate Rider Tax Change (2015)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
LRAM VA (2016)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 16.31	\$ 0.43	2.74%			\$ 16.71	\$ 0.40	2.42%			\$ 17.05	\$ 0.34	2.07%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.0066		\$ -	\$ -		-\$ 0.0066		\$ -	\$ -		-\$ 0.0066		\$ -	\$ -	
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0012	750	\$ 0.90	\$ -	0.00%	\$ 0.0012	750	\$ 0.90	\$ -	0.00%	\$ 0.0012	750	\$ 0.90	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%
Smart Meter Entity Charge	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 20.01	\$ 0.43	2.22%			\$ 20.41	\$ 0.40	1.97%			\$ 20.75	\$ 0.34	1.69%
RTSR - Network	\$ 0.0071	779	\$ 5.53	\$ -	0.00%	\$ 0.0071	779	\$ 5.53	\$ -	0.00%	\$ 0.0071	779	\$ 5.53	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 0.0056	779	\$ 4.37	\$ -	0.00%	\$ 0.0056	779	\$ 4.37	\$ -	0.00%	\$ 0.0056	779	\$ 4.37	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 29.91	\$ 0.43	1.48%			\$ 30.30	\$ 0.40	1.32%			\$ 30.65	\$ 0.34	1.14%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	779	\$ 3.43	\$ -	0.00%	\$ 0.0044	779	\$ 3.43	\$ -	0.00%	\$ 0.0044	779	\$ 3.43	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	779	\$ 1.01	\$ -	0.00%	\$ 0.0013	779	\$ 1.01	\$ -	0.00%	\$ 0.0013	779	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	750	\$ 5.25	\$ -	0.00%	\$ 0.0070	750	\$ 5.25	\$ -	0.00%	\$ 0.0070	750	\$ 5.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	480	\$ 36.96	\$ -	0.00%	\$ 0.0770	480	\$ 36.96	\$ -	0.00%	\$ 0.0770	480	\$ 36.96	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	135	\$ 15.39	\$ -	0.00%	\$ 0.1140	135	\$ 15.39	\$ -	0.00%	\$ 0.1140	135	\$ 15.39	\$ -	0.00%
TOU - On Peak	\$ 0.1400	135	\$ 18.90	\$ -	0.00%	\$ 0.1400	135	\$ 18.90	\$ -	0.00%	\$ 0.1400	135	\$ 18.90	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 111.10	\$ 0.44	0.39%			\$ 111.50	\$ 0.40	0.36%			\$ 111.84	\$ 0.34	0.31%
HST	13%		\$ 14.44	\$ 0.06	0.39%	13%		\$ 14.49	\$ 0.05	0.36%	13%		\$ 14.54	\$ 0.04	0.31%
<b>Total Bill (including HST)</b>			\$ 125.55	\$ 0.49	0.39%			\$ 125.99	\$ 0.45	0.36%			\$ 126.38	\$ 0.39	0.31%
<i>Ontario Clean Energy Benefit<sup>1</sup></i>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			\$ 125.55	\$ 0.49	0.39%			\$ 125.99	\$ 0.45	0.36%			\$ 126.38	\$ 0.39	0.31%
<b>Total Bill on RPP (before Taxes)</b>			\$ 108.10	\$ 0.43	0.40%			\$ 108.50	\$ 0.39	0.37%			\$ 108.84	\$ 0.34	0.32%
HST	13%		\$ 14.05	\$ 0.06	0.40%	13%		\$ 14.10	\$ 0.05	0.37%	13%		\$ 14.15	\$ 0.04	0.32%
<b>Total Bill (including HST)</b>			\$ 122.16	\$ 0.49	0.40%			\$ 122.60	\$ 0.45	0.37%			\$ 122.99	\$ 0.39	0.32%
<i>Ontario Clean Energy Benefit<sup>1</sup></i>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			\$ 122.16	\$ 0.49	0.40%			\$ 122.60	\$ 0.45	0.37%			\$ 122.99	\$ 0.39	0.32%

Loss Factor (%) 3.93%

3.93%

3.93%

Distribution Excluding Rate Riders

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2019 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6.5600	1	\$ 6.56	\$ 0.21	3.31%	\$ 6.7300	1	\$ 6.73	\$ 0.17	2.69%	\$ 6.8500	1	\$ 6.85	\$ 0.12	1.78%
Distribution Volumetric Rate	\$ 0.0130	750	\$ 9.75	\$ 0.23	2.36%	\$ 0.0133	750	\$ 9.98	\$ 0.23	2.31%	\$ 0.0136	750	\$ 10.20	\$ 0.23	2.26%
<b>"Regular" Distribution Only</b>			\$ 16.31	\$ 0.43	2.74%			\$ 16.71	\$ 0.40	2.42%			\$ 17.05	\$ 0.34	2.07%

**Appendix 2-W  
Bill Impacts**

Customer Class: **Street Lighting**

**Street Lighting**

TOU / non-TOU: **TOU**

Lights Consumption Load: **5,000** number of kWh  May 1 - October 31  November 1 - April 30 (Select this radio button for applications filed after Oct 31)  
**150,000** kWh  
**375** kW

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1		
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	
Monthly Service Charge (per light)	Monthly	\$ 1.02	5,000	\$ 5,100.00	\$ 0.90	5,000	\$ 4,500.00	-\$ 600.00	-11.76%	\$ 1.03	5,000	\$ 5,150.00	\$ 650.00	14.44%
Smart Meter (SMIRR) Rate Rider		\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)		\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters		\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	per kW	\$ 4.6750	375	\$ 1,753.13	\$ 9.5484	375	\$ 3,580.65	\$ 1,827.53	104.24%	\$ 10.9179	375	\$ 4,094.21	\$ 513.56	14.34%
Rate Rider Tax Change (2015)		-\$ 0.0278	375	-\$ 10.43	\$ -	375	\$ -	\$ 10.43	-100.00%	\$ -	375	\$ -	\$ -	
LRAM VA (2016)	per kW	\$ -	375	\$ -	\$ 6.6417	375	\$ 2,490.64	\$ 2,490.64		\$ -	375	\$ -	-\$ 2,490.64	-100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	per kW	\$ -	375	\$ -	\$ 0.2240	375	\$ 84.00	\$ 84.00		\$ -	375	\$ -	-\$ 84.00	-100.00%
<b>Sub-Total A (excluding pass through)</b>				<b>\$ 6,842.70</b>			<b>\$ 10,655.29</b>	<b>\$ 3,812.59</b>	<b>55.72%</b>			<b>\$ 9,244.21</b>	<b>-\$ 1,411.08</b>	<b>-13.24%</b>
Deferral/Variance Account Disposition Rate Rider (2016)	per kW	\$ -	375	\$ -	\$ 14.1931	375	\$ 5,322.41	\$ 5,322.41		\$ -	375	\$ -	-\$ 5,322.41	-100.00%
Rate Rider CGAAP Account 1576 (2016)	per kW	\$ -	375	\$ -	-\$ 6.6112	375	-\$ 2,479.20	-\$ 2,479.20		-\$ 6.6112	375	\$ -	\$ 2,479.20	-100.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kW	\$ 5.5544		\$ -	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kW	\$ -	375	\$ -	\$ 4.9465		\$ -	\$ -		\$ -	375	\$ -	\$ -	
Low Voltage Service Charge	per kW	\$ 0.1820	375	\$ 68.25	\$ 0.3372	375	\$ 126.45	\$ 58.20	85.27%	\$ 0.3372	375	\$ 126.45	\$ -	0.00%
Line Losses on Cost of Power	per kWh	\$ 0.0950	5160	\$ 490.20	\$ 0.0950	5895	\$ 560.02	\$ 69.82	14.24%	\$ 0.0950	5895	\$ 560.02	\$ -	0.00%
Smart Meter Entity Charge		\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				<b>\$ 7,401.15</b>			<b>\$ 14,184.98</b>	<b>\$ 6,783.83</b>	<b>91.66%</b>			<b>\$ 9,930.69</b>	<b>-\$ 4,254.29</b>	<b>-29.99%</b>
RTSR - Network	per kW	\$ 1.9006	375	\$ 712.73	\$ 2.0078	375	\$ 752.93	\$ 40.20	5.64%	\$ 2.0078	375	\$ 752.93	\$ -	0.00%
RTSR - Line and Transformation Connection	per kW	\$ 1.4538	375	\$ 545.18	\$ 1.6053	375	\$ 601.99	\$ 56.81	10.42%	\$ 1.6053	375	\$ 601.99	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				<b>\$ 8,659.05</b>			<b>\$ 15,539.89</b>	<b>\$ 6,880.84</b>	<b>79.46%</b>			<b>\$ 11,285.60</b>	<b>-\$ 4,254.29</b>	<b>-27.38%</b>
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0044	155160	\$ 682.70	\$ 0.0044	155895	\$ 685.94	\$ 3.23	0.47%	\$ 0.0044	155895	\$ 685.94	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	155160	\$ 201.71	\$ 0.0013	155895	\$ 202.66	\$ 0.96	0.47%	\$ 0.0013	155895	\$ 202.66	\$ -	0.00%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	150000	\$ 1,050.00	\$ 0.0070	150000	\$ 1,050.00	\$ -	0.00%	\$ 0.0070	150000	\$ 1,050.00	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0770	96000	\$ 7,392.00	\$ 0.0770	96000	\$ 7,392.00	\$ -	0.00%	\$ 0.0770	96000	\$ 7,392.00	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1140	27000	\$ 3,078.00	\$ 0.1140	27000	\$ 3,078.00	\$ -	0.00%	\$ 0.1140	27000	\$ 3,078.00	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1400	27000	\$ 3,780.00	\$ 0.1400	27000	\$ 3,780.00	\$ -	0.00%	\$ 0.1400	27000	\$ 3,780.00	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>				<b>\$ 24,843.71</b>			<b>\$ 31,728.74</b>	<b>\$ 6,885.03</b>	<b>27.71%</b>			<b>\$ 27,474.45</b>	<b>-\$ 4,254.29</b>	<b>-13.41%</b>
HST		13%		\$ 3,229.68	13%		\$ 4,124.74	\$ 895.05	27.71%	13%		\$ 3,571.68	-\$ 553.06	-13.41%
<b>Total Bill (including HST)</b>				<b>\$ 28,073.39</b>			<b>\$ 35,853.48</b>	<b>\$ 7,780.08</b>	<b>27.71%</b>			<b>\$ 31,046.13</b>	<b>-\$ 4,807.34</b>	<b>-13.41%</b>
<i>Ontario Clean Energy Benefit <sup>1</sup></i>								\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>				<b>\$ 28,073.39</b>			<b>\$ 35,853.48</b>	<b>\$ 7,780.08</b>	<b>27.71%</b>			<b>\$ 31,046.13</b>	<b>-\$ 4,807.34</b>	<b>-13.41%</b>
<b>Total Bill on RPP (before Taxes)</b>				<b>\$ 26,034.71</b>			<b>\$ 32,919.74</b>	<b>\$ 6,885.03</b>	<b>26.45%</b>			<b>\$ 28,665.45</b>	<b>-\$ 4,254.29</b>	<b>-12.92%</b>
HST		13%		\$ 3,384.51	13%		\$ 4,279.57	\$ 895.05	26.45%	13%		\$ 3,726.51	-\$ 553.06	-12.92%
<b>Total Bill (including HST)</b>				<b>\$ 29,419.22</b>			<b>\$ 37,199.31</b>	<b>\$ 7,780.08</b>	<b>26.45%</b>			<b>\$ 32,391.96</b>	<b>-\$ 4,807.34</b>	<b>-12.92%</b>
<i>Ontario Clean Energy Benefit <sup>1</sup></i>								\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>				<b>\$ 29,419.22</b>			<b>\$ 37,199.31</b>	<b>\$ 7,780.08</b>	<b>26.45%</b>			<b>\$ 32,391.96</b>	<b>-\$ 4,807.34</b>	<b>-12.92%</b>

Loss Factor (%)

3.44%

3.93%

3.93%

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1		
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	
Monthly Service Charge	Monthly	\$ 1.02	5,000	\$ 5,100.00	\$ 0.90	5,000	\$ 4,500.00	-\$ 600.00	-11.76%	\$ 1.03	5,000	\$ 5,150.00	\$ 650.00	14.44%
Distribution Volumetric Rate	per kW	\$ 4.6750	375	\$ 1,753.13	\$ 9.5484	375	\$ 3,580.65	\$ 1,827.53	104.24%	\$ 10.9179	375	\$ 4,094.21	\$ 513.56	14.34%
<b>"Regular" Distribution Only</b>				<b>\$ 6,853.13</b>			<b>\$ 8,080.65</b>	<b>\$ 1,227.53</b>	<b>17.91%</b>			<b>\$ 9,244.21</b>	<b>\$ 1,163.56</b>	<b>14.40%</b>

Customer Class:

Street Lighting

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge (per light)	\$ 1.16	5,000	\$ 5,800.00	\$ 650.00	12.62%	\$ 1.28	5,000	\$ 6,400.00	\$ 600.00	10.34%	\$ 1.39	5,000	\$ 6,950.00	\$ 550.00	8.59%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 12.2662	375	\$ 4,599.83	\$ 505.61	12.35%	\$ 13.5517	375	\$ 5,081.89	\$ 482.06	10.48%	\$ 14.7615	375	\$ 5,535.56	\$ 453.68	8.93%
Rate Rider Tax Change (2015)	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
LRAM VA (2016)	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 10,399.83</b>	<b>\$ 1,155.61</b>	<b>12.50%</b>			<b>\$ 11,481.89</b>	<b>\$ 1,082.06</b>	<b>10.40%</b>			<b>\$ 12,485.56</b>	<b>\$ 1,003.68</b>	<b>8.74%</b>
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.3372	375	\$ 126.45	\$ -	0.00%	\$ 0.3372	375	\$ 126.45	\$ -	0.00%	\$ 0.3372	375	\$ 126.45	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	5895	\$ 560.02	\$ -	0.00%	\$ 0.0950	5895	\$ 560.02	\$ -	0.00%	\$ 0.0950	5895	\$ 560.02	\$ -	0.00%
Smart Meter Entity Charge	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 11,086.30</b>	<b>\$ 1,155.61</b>	<b>11.64%</b>			<b>\$ 12,168.36</b>	<b>\$ 1,082.06</b>	<b>9.76%</b>			<b>\$ 13,172.04</b>	<b>\$ 1,003.68</b>	<b>8.25%</b>
RTSR - Network	\$ 2.0078	375	\$ 752.93	\$ -	0.00%	\$ 2.0078	375	\$ 752.93	\$ -	0.00%	\$ 2.0078	375	\$ 752.93	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 1.6053	375	\$ 601.99	\$ -	0.00%	\$ 1.6053	375	\$ 601.99	\$ -	0.00%	\$ 1.6053	375	\$ 601.99	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 12,441.21</b>	<b>\$ 1,155.61</b>	<b>10.24%</b>			<b>\$ 13,523.28</b>	<b>\$ 1,082.06</b>	<b>8.70%</b>			<b>\$ 14,526.95</b>	<b>\$ 1,003.68</b>	<b>7.42%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0044	155895	\$ 685.94	\$ -	0.00%	\$ 0.0044	155895	\$ 685.94	\$ -	0.00%	\$ 0.0044	155895	\$ 685.94	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	155895	\$ 202.66	\$ -	0.00%	\$ 0.0013	155895	\$ 202.66	\$ -	0.00%	\$ 0.0013	155895	\$ 202.66	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	150000	\$ 1,050.00	\$ -	0.00%	\$ 0.0070	150000	\$ 1,050.00	\$ -	0.00%	\$ 0.0070	150000	\$ 1,050.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	96000	\$ 7,392.00	\$ -	0.00%	\$ 0.0770	96000	\$ 7,392.00	\$ -	0.00%	\$ 0.0770	96000	\$ 7,392.00	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	27000	\$ 3,078.00	\$ -	0.00%	\$ 0.1140	27000	\$ 3,078.00	\$ -	0.00%	\$ 0.1140	27000	\$ 3,078.00	\$ -	0.00%
TOU - On Peak	\$ 0.1400	27000	\$ 3,780.00	\$ -	0.00%	\$ 0.1400	27000	\$ 3,780.00	\$ -	0.00%	\$ 0.1400	27000	\$ 3,780.00	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 28,630.06</b>	<b>\$ 1,155.61</b>	<b>4.21%</b>			<b>\$ 29,712.13</b>	<b>\$ 1,082.06</b>	<b>3.78%</b>			<b>\$ 30,715.80</b>	<b>\$ 1,003.68</b>	<b>3.38%</b>
HST	13%		\$ 3,721.91	\$ 150.23	4.21%	13%		\$ 3,862.58	\$ 140.67	3.78%	13%		\$ 3,993.05	\$ 130.48	3.38%
<b>Total Bill (including HST)</b>			<b>\$ 32,351.97</b>	<b>\$ 1,305.84</b>	<b>4.21%</b>			<b>\$ 33,574.70</b>	<b>\$ 1,222.73</b>	<b>3.78%</b>			<b>\$ 34,708.86</b>	<b>\$ 1,134.15</b>	<b>3.38%</b>
Ontario Clean Energy Benefit <sup>1</sup>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			<b>\$ 32,351.97</b>	<b>\$ 1,305.84</b>	<b>4.21%</b>			<b>\$ 33,574.70</b>	<b>\$ 1,222.73</b>	<b>3.78%</b>			<b>\$ 34,708.86</b>	<b>\$ 1,134.15</b>	<b>3.38%</b>
<b>Total Bill on RPP (before Taxes)</b>			<b>\$ 29,821.06</b>	<b>\$ 1,155.61</b>	<b>4.03%</b>			<b>\$ 30,903.13</b>	<b>\$ 1,082.06</b>	<b>3.63%</b>			<b>\$ 31,906.80</b>	<b>\$ 1,003.68</b>	<b>3.25%</b>
HST	13%		\$ 3,876.74	\$ 150.23	4.03%	13%		\$ 4,017.41	\$ 140.67	3.63%	13%		\$ 4,147.88	\$ 130.48	3.25%
<b>Total Bill (including HST)</b>			<b>\$ 33,697.80</b>	<b>\$ 1,305.84</b>	<b>4.03%</b>			<b>\$ 34,920.53</b>	<b>\$ 1,222.73</b>	<b>3.63%</b>			<b>\$ 36,054.69</b>	<b>\$ 1,134.15</b>	<b>3.25%</b>
Ontario Clean Energy Benefit <sup>1</sup>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			<b>\$ 33,697.80</b>	<b>\$ 1,305.84</b>	<b>4.03%</b>			<b>\$ 34,920.53</b>	<b>\$ 1,222.73</b>	<b>3.63%</b>			<b>\$ 36,054.69</b>	<b>\$ 1,134.15</b>	<b>3.25%</b>

Loss Factor (%) 3.93%

3.93%

3.93%

Distribution Excluding Rate Riders

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2019 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 1.16	5,000	\$ 5,800.00	\$ 650.00	12.62%	\$ 1.28	5,000	\$ 6,400.00	\$ 600.00	10.34%	\$ 1.39	5,000	\$ 6,950.00	\$ 550.00	8.59%
Distribution Volumetric Rate	\$ 12.2662	375	\$ 4,599.83	\$ 505.61	12.35%	\$ 13.5517	375	\$ 5,081.89	\$ 482.06	10.48%	\$ 14.7615	375	\$ 5,535.56	\$ 453.68	8.93%
<b>"Regular" Distribution Only</b>			<b>\$ 10,399.83</b>	<b>\$ 1,155.61</b>	<b>12.50%</b>			<b>\$ 11,481.89</b>	<b>\$ 1,082.06</b>	<b>10.40%</b>			<b>\$ 12,485.56</b>	<b>\$ 1,003.68</b>	<b>8.74%</b>

Response to the Ontario Energy Board  
Staff Interrogatory 9-Staff-89

Attachment 2

**Appendix 2-W  
Bill Impacts**

Customer Class: Residential

Residential

TOU / non-TOU: TOU

Consumption: 800 kWh

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 12.5600	1	\$ 12.56	\$ 16.4000	1	\$ 16.40	\$ 3.84	30.57%	\$ 19.7800	1	\$ 19.78	\$ 3.38	20.61%
Smart Meter (SMIRR) Rate Rider	\$ 2.6300	1	\$ 2.63	\$ -	1	\$ -	-\$ 2.63	-100.00%	\$ -	1	\$ -	\$ -	\$ -
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ 0.25	1	\$ 0.25	\$ 0.25		\$ -	1	\$ -	-\$ 0.25	-100.00%
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ 2.70	1	\$ 2.70	\$ 2.70		\$ 2.70	1	\$ 2.70	\$ -	0.00%
		1	\$ -		1	\$ -	\$ -			1	\$ -	\$ -	\$ -
		1	\$ -		1	\$ -	\$ -			1	\$ -	\$ -	\$ -
Distribution Volumetric Rate	per kWh \$ 0.0154	800	\$ 12.32	\$ 0.0126	800	\$ 10.08	-\$ 2.24	-18.18%	\$ 0.0087	800	\$ 6.96	-\$ 3.12	-30.95%
Rate Rider Tax Change (2015)	per kWh \$ -0.0001	800	\$ 0.08	\$ -	800	\$ -	\$ 0.08	-100.00%	\$ -	800	\$ -	\$ -	\$ -
LRAM VA (2016)	per kWh \$ -	800	\$ -	\$ 0.0003	800	\$ 0.24	\$ 0.24		\$ -	800	\$ -	-\$ 0.24	-100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	per kWh \$ -	800	\$ -	\$ 0.0004	800	\$ 0.32	\$ 0.32		\$ -	800	\$ -	-\$ 0.32	-100.00%
	per kWh \$ -	-	\$ -		-	\$ -	\$ -			-	\$ -	\$ -	\$ -
		800	\$ -		800	\$ -	\$ -			800	\$ -	\$ -	\$ -
		800	\$ -		800	\$ -	\$ -			800	\$ -	\$ -	\$ -
		800	\$ -		800	\$ -	\$ -			800	\$ -	\$ -	\$ -
		800	\$ -		800	\$ -	\$ -			800	\$ -	\$ -	\$ -
		800	\$ -		800	\$ -	\$ -			800	\$ -	\$ -	\$ -
		800	\$ -		800	\$ -	\$ -			800	\$ -	\$ -	\$ -
<b>Sub-Total A (excluding pass through)</b>			\$ 27.43			\$ 29.99	\$ 2.56	9.33%			\$ 29.44	-\$ 0.55	-1.83%
Deferral/Variance Account Disposition Rate Rider (2016)	per kWh \$ -	800	\$ -	\$ 0.0010	800	\$ 0.80	\$ 0.80		\$ -	800	\$ -	-\$ 0.80	-100.00%
		800	\$ -		800	\$ -	\$ -			800	\$ -	\$ -	\$ -
Rate Rider CGAAP Account 1576 (2016)	per kWh \$ -	800	\$ -	-\$ 0.0059	800	-\$ 4.72	-\$ 4.72		-\$ 0.0059	800	-\$ 4.72	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kWh \$ 0.0156	0	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	\$ -
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kWh \$ -	800	\$ -	\$ 0.0137	0	\$ -	\$ -		\$ -	800	\$ -	\$ -	\$ -
Low Voltage Service Charge	per kWh \$ 0.0007	800	\$ 0.56	\$ 0.0012	800	\$ 0.96	\$ 0.40	71.43%	\$ 0.0012	800	\$ 0.96	\$ -	0.00%
Line Losses on Cost of Power	per kWh \$ 0.0950	27.52	\$ 2.61	\$ 0.0950	31.44	\$ 2.99	\$ 0.37	14.24%	\$ 0.0950	31.44	\$ 2.99	\$ -	0.00%
Smart Meter Entire Charge	Monthly \$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -		\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 31.39			\$ 30.81	-\$ 0.59	-1.87%			\$ 29.46	-\$ 1.35	-4.38%
RTSR - Network	per kWh \$ 0.0067	828	\$ 5.54	\$ 0.0071	831	\$ 5.90	\$ 0.36	6.47%	\$ 0.0071	831	\$ 5.90	\$ -	0.00%
RTSR - Line and Transformation Connection	per kWh \$ 0.0051	828	\$ 4.22	\$ 0.0056	831	\$ 4.66	\$ 0.44	10.32%	\$ 0.0056	831	\$ 4.66	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 41.16			\$ 41.37	\$ 0.21	0.50%			\$ 40.02	-\$ 1.35	-3.26%
Wholesale Market Service Charge (WMSC)	per kWh \$ 0.0044	828	\$ 3.64	\$ 0.0044	831	\$ 3.66	\$ 0.02	0.47%	\$ 0.0044	831	\$ 3.66	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh \$ 0.0013	828	\$ 1.08	\$ 0.0013	831	\$ 1.08	\$ 0.01	0.47%	\$ 0.0013	831	\$ 1.08	\$ -	0.00%
Standard Supply Service Charge	Monthly \$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh \$ 0.0070	800	\$ 5.60	\$ 0.0070	800	\$ 5.60	\$ -	0.00%	\$ 0.0070	800	\$ 5.60	\$ -	0.00%
TOU - Off Peak	per kWh \$ 0.0770	512	\$ 39.42	\$ 0.0770	512	\$ 39.42	\$ -	0.00%	\$ 0.0770	512	\$ 39.42	\$ -	0.00%
TOU - Mid Peak	per kWh \$ 0.1140	144	\$ 16.42	\$ 0.1140	144	\$ 16.42	\$ -	0.00%	\$ 0.1140	144	\$ 16.42	\$ -	0.00%
TOU - On Peak	per kWh \$ 0.1400	144	\$ 20.16	\$ 0.1400	144	\$ 20.16	\$ -	0.00%	\$ 0.1400	144	\$ 20.16	\$ -	0.00%
Energy - RPP - Tier 1	per kWh \$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	per kWh \$ 0.1030	200	\$ 20.60	\$ 0.1030	200	\$ 20.60	\$ -	0.00%	\$ 0.1030	200	\$ 20.60	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 127.73			\$ 127.96	\$ 0.23	0.18%			\$ 126.61	-\$ 1.35	-1.06%
HST	13%		\$ 16.60	13%		\$ 16.63	\$ 0.03	0.18%	13%		\$ 16.46	-\$ 0.18	-1.06%
<b>Total Bill (including HST)</b>			\$ 144.33			\$ 144.59	\$ 0.26	0.18%			\$ 143.06	-\$ 1.53	-1.06%
<b>Ontario Clean Energy Benefit †</b>			-\$ 14.43			-\$ 14.46	-\$ 0.03	0.21%			-\$ 14.31	\$ 0.15	-1.04%
<b>Total Bill on TOU (including OCEB)</b>			\$ 129.90			\$ 130.13	\$ 0.23	0.18%			\$ 128.75	-\$ 1.38	-1.06%
<b>Total Bill on RPP (before Taxes)</b>			\$ 125.13			\$ 125.36	\$ 0.23	0.18%			\$ 124.01	-\$ 1.35	-1.08%
HST	13%		\$ 16.27	13%		\$ 16.30	\$ 0.03	0.18%	13%		\$ 16.12	-\$ 0.18	-1.08%
<b>Total Bill (including HST)</b>			\$ 141.39			\$ 141.65	\$ 0.26	0.18%			\$ 140.13	-\$ 1.53	-1.08%
<b>Ontario Clean Energy Benefit †</b>			-\$ 14.14			-\$ 14.17	-\$ 0.03	0.21%			-\$ 14.01	\$ 0.16	-1.13%
<b>Total Bill on RPP (including OCEB)</b>			\$ 127.25			\$ 127.48	\$ 0.23	0.18%			\$ 126.12	-\$ 1.37	-1.07%

Loss Factor (%)

3.44%

3.93%

3.93%

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 12.5600	1	\$ 12.56	\$ 16.4000	1	\$ 16.40	\$ 3.84	30.57%	\$ 19.7800	1	\$ 19.78	\$ 3.38	20.61%
Distribution Volumetric Rate	per kWh \$ 0.0154	800	\$ 12.32	\$ 0.0126	800	\$ 10.08	-\$ 2.24	-18.18%	\$ 0.0087	800	\$ 6.96	-\$ 3.12	-30.95%
<b>"Regular" Distribution Only</b>			\$ 24.88			\$ 26.48	\$ 1.60	6.43%			\$ 26.74	\$ 0.26	0.98%







Customer Class:

General Service Less Than 50 kW

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 28.1600	1	\$ 28.16	\$ 0.56	2.03%	\$ 28.6000	1	\$ 28.60	\$ 0.44	1.56%	\$ 28.8300	1	\$ 28.83	\$ 0.23	0.80%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters (2016)	\$ 4.6800		\$ -	-\$ 4.68	-100.00%	\$ 4.6800		\$ -	\$ -		\$ 4.6800		\$ -	\$ -	
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0116	2000	\$ 23.20	\$ 0.80	3.57%	\$ 0.0121	2000	\$ 24.20	\$ 1.00	4.31%	\$ 0.0125	2000	\$ 25.00	\$ 0.80	3.31%
Rate Rider Tax Change (2015)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
LRAM VA (2016)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 51.36	-\$ 3.32	-6.07%			\$ 52.80	\$ 1.44	2.80%			\$ 53.83	\$ 1.03	1.95%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.0037		\$ -	\$ 7.40	-100.00%	-\$ 0.0037		\$ -	\$ -		-\$ 0.0037		\$ -	\$ -	
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950		\$ 7.47	\$ -	0.00%	\$ 0.0950		\$ 7.47	\$ -	0.00%	\$ 0.0950		\$ 7.47	\$ -	0.00%
Smart Meter Entity Charge	\$ 0.7900	1	\$ 0.79	\$ -	0.00%	\$ 0.7900	1	\$ 0.79	\$ -	0.00%	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 61.82	\$ 4.08	7.07%			\$ 63.26	\$ 1.44	2.33%			\$ 64.29	\$ 1.03	1.63%
RTSR - Network	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 85.51	\$ 4.08	5.01%			\$ 86.95	\$ 1.44	1.68%			\$ 87.98	\$ 1.03	1.18%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	360	\$ 41.04	\$ -	0.00%	\$ 0.1140	360	\$ 41.04	\$ -	0.00%	\$ 0.1140	360	\$ 41.04	\$ -	0.00%
TOU - On Peak	\$ 0.1400	360	\$ 50.40	\$ -	0.00%	\$ 0.1400	360	\$ 50.40	\$ -	0.00%	\$ 0.1400	360	\$ 50.40	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 301.61	\$ 4.08	1.37%			\$ 303.05	\$ 1.44	0.48%			\$ 304.08	\$ 1.03	0.34%
HST	13%		\$ 39.21	\$ 0.53	1.37%	13%		\$ 39.40	\$ 0.19	0.48%	13%		\$ 39.53	\$ 0.13	0.34%
<b>Total Bill (including HST)</b>			\$ 340.82	\$ 4.61	1.37%			\$ 342.45	\$ 1.63	0.48%			\$ 343.61	\$ 1.16	0.34%
Ontario Clean Energy Benefit <sup>†</sup>			-\$ 34.08	-\$ 0.46	1.37%			-\$ 34.24	-\$ 0.16	0.47%			-\$ 34.36	-\$ 0.12	0.35%
<b>Total Bill on TOU (including OCEB)</b>			\$ 306.74	\$ 4.15	1.37%			\$ 308.21	\$ 1.47	0.48%			\$ 309.25	\$ 1.04	0.34%
<b>Total Bill on RPP (before Taxes)</b>			\$ 255.81	\$ 4.08	1.62%			\$ 257.25	\$ 1.44	0.56%			\$ 258.28	\$ 1.03	0.40%
HST	13%		\$ 33.26	\$ 0.53	1.62%	13%		\$ 33.44	\$ 0.19	0.56%	13%		\$ 33.58	\$ 0.13	0.40%
<b>Total Bill (including HST)</b>			\$ 289.07	\$ 4.61	1.62%			\$ 290.69	\$ 1.63	0.56%			\$ 291.86	\$ 1.16	0.40%
Ontario Clean Energy Benefit <sup>†</sup>			-\$ 28.91	-\$ 0.46	1.62%			-\$ 29.07	-\$ 0.16	0.55%			-\$ 29.19	-\$ 0.12	0.41%
<b>Total Bill on RPP (including OCEB)</b>			\$ 260.16	\$ 4.15	1.62%			\$ 261.62	\$ 1.47	0.56%			\$ 262.67	\$ 1.04	0.40%

Loss Factor (%) 3.93%

3.93%

3.93%

Distribution Excluding Rate Riders

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 28.1600	1	\$ 28.16	\$ 0.56	2.03%	\$ 28.6000	1	\$ 28.60	\$ 0.44	1.56%	\$ 28.8300	1	\$ 28.83	\$ 0.23	0.80%
Distribution Volumetric Rate	\$ 0.0116	2000	\$ 23.20	\$ 0.80	3.57%	\$ 0.0121	2000	\$ 24.20	\$ 1.00	4.31%	\$ 0.0125	2000	\$ 25.00	\$ 0.80	3.31%
<b>"Regular" Distribution Only</b>			\$ 51.36	\$ 1.36	2.72%			\$ 52.80	\$ 1.44	2.80%			\$ 53.83	\$ 1.03	1.95%

**Appendix 2-W  
Bill Impacts**

Customer Class: **General Service 50 to 4,999 kW**

**General Service 50 to 4,999 kW**

TOU / non-TOU: **TOU**

Consumption Load:  40,000 kWh  60 kW  May 1 - October 31  November 1 - April 30 (Select this radio button for applications filed after Oct 31)

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 280.0900	1	\$ 280.09	\$ 314.2800	1	\$ 314.28	\$ 34.19	12.21%	\$ 322.9900	1	\$ 322.99	\$ 8.71
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider - Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	per kW \$ 2.0063	60	\$ 120.38	\$ 2.0517	60	\$ 123.10	\$ 2.72	2.26%	\$ 2.1314	60	\$ 127.88	\$ 4.78	3.88%
Rate Rider Tax Change (2015)	per kW -\$ 0.0099	60	\$ 0.59	\$ -	60	\$ -	\$ 0.59	-100.00%	\$ -	60	\$ -	\$ -	
LRAM VA (2016)	per kW \$ -	60	\$ -	\$ 0.0293	60	\$ 1.76	\$ 1.76	100.00%	\$ -	60	\$ -	\$ -1.76	-100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	per kW \$ -	60	\$ -	\$ 0.0380	60	\$ 2.28	\$ 2.28	100.00%	\$ -	60	\$ -	\$ -2.28	-100.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 399.87			\$ 441.42	\$ 41.55	10.39%			\$ 450.87	\$ 9.45	2.14%
Deferral/Variance Account Disposition Rate Rider (2016)	per kW \$ -	60	\$ -	\$ 0.7402	60	\$ 44.41	\$ 44.41	100.00%	\$ -	60	\$ -	\$ -44.41	-100.00%
Deferral/Variance Account Disposition Rate Rider (2016), excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -1.1043	60	\$ -66.26	\$ -66.26	100.00%	\$ -	60	\$ -	\$ 66.26	-100.00%
Rate Rider CGAAP Account 1576 (2016)	per kW \$ -	60	\$ -	\$ -0.5613	60	\$ -33.68	\$ -33.68	100.00%	\$ -0.5613	60	\$ -33.68	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	per kW \$ 5.7342		\$ -	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	per kW \$ -	60	\$ -	\$ 4.9999		\$ -	\$ -		\$ -	60	\$ -	\$ -	
Low Voltage Service Charge	per kW \$ 0.2520	60	\$ 15.12	\$ 0.4669	60	\$ 28.01	\$ 12.89	85.28%	\$ 0.4669	60	\$ 28.01	\$ -	0.00%
Line Losses on Cost of Power	per kWh \$ 0.0950	1,376	\$ 130.72	\$ 0.0950	1572	\$ 149.34	\$ 18.62	14.24%	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%
Smart Meter Entropy Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 545.71			\$ 563.25	\$ 17.54	3.21%			\$ 594.55	\$ 31.30	5.56%
RTSR - Network	per kW \$ 2.6313	60	\$ 157.88	\$ 2.7797	60	\$ 166.78	\$ 8.90	5.64%	\$ 2.7797	60	\$ 166.78	\$ -	0.00%
RTSR - Line and Transformation Connection	per kW \$ 2.0128	60	\$ 120.77	\$ 2.2225	60	\$ 133.35	\$ 12.58	10.42%	\$ 2.2225	60	\$ 133.35	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 824.36			\$ 863.38	\$ 39.02	4.73%			\$ 894.68	\$ 31.30	3.63%
Wholesale Market Service Charge (WMSC)	per kWh \$ 0.0044	41376	\$ 182.05	\$ 0.0044	41572	\$ 182.92	\$ 0.86	0.47%	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh \$ 0.0013	41376	\$ 53.79	\$ 0.0013	41572	\$ 54.04	\$ 0.25	0.47%	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%
Standard Supply Service Charge	Monthly \$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh \$ 0.0070	40000	\$ 280.00	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%
TOU - Off Peak	per kWh \$ 0.0770	25600	\$ 1,971.20	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%
TOU - Mid Peak	per kWh \$ 0.1140	7200	\$ 820.80	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%
TOU - On Peak	per kWh \$ 0.1400	7200	\$ 1,008.00	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%
Energy - RPP - Tier 1	per kWh \$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	per kWh \$ 0.1030	39400	\$ 4,058.20	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 5,140.45			\$ 5,180.59	\$ 40.14	0.78%			\$ 5,211.89	\$ 31.30	0.60%
HST	13%		\$ 668.26	13%		\$ 673.48	\$ 5.22	0.78%	13%		\$ 677.55	\$ 4.07	0.60%
<b>Total Bill (including HST)</b>			\$ 5,808.71			\$ 5,854.07	\$ 45.36	0.78%			\$ 5,889.44	\$ 35.37	0.60%
<i>Ontario Clean Energy Benefit<sup>1</sup></i>			\$ -			\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			\$ 5,808.71			\$ 5,854.07	\$ 45.36	0.78%			\$ 5,889.44	\$ 35.37	0.60%
<b>Total Bill on RPP (before Taxes)</b>			\$ 5,398.65			\$ 5,438.79	\$ 40.14	0.74%			\$ 5,470.09	\$ 31.30	0.58%
HST	13%		\$ 701.82	13%		\$ 707.04	\$ 5.22	0.74%	13%		\$ 711.11	\$ 4.07	0.58%
<b>Total Bill (including HST)</b>			\$ 6,100.48			\$ 6,145.84	\$ 45.36	0.74%			\$ 6,181.20	\$ 35.37	0.58%
<i>Ontario Clean Energy Benefit<sup>1</sup></i>			\$ -			\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			\$ 6,100.48			\$ 6,145.84	\$ 45.36	0.74%			\$ 6,181.20	\$ 35.37	0.58%

Loss Factor (%) **3.44%**

**3.93%**

**3.93%**

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 280.09	1	\$ 280.09	\$ 314.28	1	\$ 314.28	\$ 34.19	12.21%	\$ 322.99	1	\$ 322.99	\$ 8.71
Distribution Volumetric Rate	per kW \$ 2.0063	60	\$ 120.38	\$ 2.0517	60	\$ 123.10	\$ 2.72	2.26%	\$ 2.1314	60	\$ 127.88	\$ 4.78	3.88%
<b>"Regular" Distribution Only</b>			\$ 400.47			\$ 437.38	\$ 36.91	9.22%			\$ 450.87	\$ 13.49	3.08%

Customer Class:

General Service 50 to 4,999 kW

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 330.5400	1	\$ 330.54	\$ 7.55	2.34%	\$ 337.9000	1	\$ 337.90	\$ 7.36	2.23%	\$ 342.7500	1	\$ 342.75	\$ 4.85	1.44%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 2.2143	60	\$ 132.86	\$ 4.97	3.89%	\$ 2.2986	60	\$ 137.92	\$ 5.06	3.81%	\$ 2.3661	60	\$ 141.97	\$ 4.05	2.94%
Rate Rider Tax Change (2015)	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
LRAM VA (2016)	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 463.40	\$ 12.52	2.78%			\$ 475.82	\$ 12.42	2.68%			\$ 484.72	\$ 8.90	1.87%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Deferral/Variance Account Disposition Rate Rider (2016), excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.5613		\$ -	\$ 33.68	-100.00%	-\$ 0.5613		\$ -	\$ -		-\$ 0.5613		\$ -	\$ -	
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.4669	60	\$ 28.01	\$ -	0.00%	\$ 0.4669	60	\$ 28.01	\$ -	0.00%	\$ 0.4669	60	\$ 28.01	\$ -	0.00%
Line Losses on Cost of Power Smart Meter Entity Charge	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 640.75	\$ 46.20	7.77%			\$ 653.17	\$ 12.42	1.94%			\$ 662.07	\$ 8.90	1.36%
RTSR - Network	\$ 2.7797	60	\$ 166.78	\$ -	0.00%	\$ 2.7797	60	\$ 166.78	\$ -	0.00%	\$ 2.7797	60	\$ 166.78	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 2.2225	60	\$ 133.35	\$ -	0.00%	\$ 2.2225	60	\$ 133.35	\$ -	0.00%	\$ 2.2225	60	\$ 133.35	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 940.88	\$ 46.20	5.16%			\$ 953.30	\$ 12.42	1.32%			\$ 962.20	\$ 8.90	0.93%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%
TOU - On Peak	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 5,258.09	\$ 46.20	0.89%			\$ 5,270.51	\$ 12.42	0.24%			\$ 5,279.41	\$ 8.90	0.17%
HST	13%		\$ 683.55	\$ 6.01	0.89%	13%		\$ 685.17	\$ 1.61	0.24%	13%		\$ 686.32	\$ 1.16	0.17%
<b>Total Bill (including HST)</b>			\$ 5,941.65	\$ 52.21	0.89%			\$ 5,955.68	\$ 14.03	0.24%			\$ 5,965.74	\$ 10.06	0.17%
<i>Ontario Clean Energy Benefit<sup>1</sup></i>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			\$ 5,941.65	\$ 52.21	0.89%			\$ 5,955.68	\$ 14.03	0.24%			\$ 5,965.74	\$ 10.06	0.17%
<b>Total Bill on RPP (before Taxes)</b>			\$ 5,516.29	\$ 46.20	0.84%			\$ 5,528.71	\$ 12.42	0.23%			\$ 5,537.61	\$ 8.90	0.16%
HST	13%		\$ 717.12	\$ 6.01	0.84%	13%		\$ 718.73	\$ 1.61	0.23%	13%		\$ 719.89	\$ 1.16	0.16%
<b>Total Bill (including HST)</b>			\$ 6,233.41	\$ 52.21	0.84%			\$ 6,247.45	\$ 14.03	0.23%			\$ 6,257.50	\$ 10.06	0.16%
<i>Ontario Clean Energy Benefit<sup>1</sup></i>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			\$ 6,233.41	\$ 52.21	0.84%			\$ 6,247.45	\$ 14.03	0.23%			\$ 6,257.50	\$ 10.06	0.16%

Loss Factor (%) 3.93%

3.93%

3.93%

Distribution Excluding Rate Riders

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2019 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 330.54	1	\$ 330.54	\$ 7.55	2.34%	\$ 337.9000	1	\$ 337.90	\$ 7.36	2.23%	\$ 342.7500	1	\$ 342.75	\$ 4.85	1.44%
Distribution Volumetric Rate	\$ 2.2143	60	\$ 132.86	\$ 4.97	3.89%	\$ 2.2986	60	\$ 137.92	\$ 5.06	3.81%	\$ 2.3661	60	\$ 141.97	\$ 4.05	2.94%
<b>"Regular" Distribution Only</b>			\$ 463.40	\$ 12.52	2.78%			\$ 475.82	\$ 12.42	2.68%			\$ 484.72	\$ 8.90	1.87%





**Appendix 2-W  
Bill Impacts**

Customer Class: **Unmetered Scattered Load**

**Unmetered Scattered Load**

TOU / non-TOU: **TOU**

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

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 11.5500	1	\$ 11.55	\$ 6.1500	1	\$ 6.15	-\$ 5.40	-46.75%	\$ 6.3500	1	\$ 6.35	\$ 0.20	3.25%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh \$ 0.0141	750	\$ 10.58	\$ 0.0122	750	\$ 9.15	-\$ 1.43	-13.48%	\$ 0.0127	750	\$ 9.53	\$ 0.38	4.10%
Rate Rider Tax Change (2015)	per kWh \$ 0.0001	750	\$ 0.08	\$ -	750	\$ -	\$ 0.08	-100.00%	\$ -	750	\$ -	\$ -	
LRAM VA (2016)	per kWh \$ -	750	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	per kWh \$ -	750	\$ -	\$ 0.0002	750	\$ 0.15	\$ 0.15		\$ -	750	\$ -	-\$ 0.15	-100.00%
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 22.05			\$ 15.45	-\$ 6.60	-29.93%			\$ 15.88	\$ 0.42	2.75%
Deferral/Variance Account Disposition Rate Rider (2016)	per kWh \$ -	750	\$ -	\$ 0.0005	750	\$ 0.38	\$ 0.38		\$ -	750	\$ -	-\$ 0.38	-100.00%
Rate Rider CGAAP Account 1576 (2016)	per kWh \$ -	750	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kWh \$ 0.0156	0	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kWh \$ -	750	\$ -	\$ 0.0137	0	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	per kWh \$ 0.0007	750	\$ 0.53	\$ 0.0012	750	\$ 0.90	\$ 0.38	71.43%	\$ 0.0012	750	\$ 0.90	\$ -	0.00%
Line Losses on Cost of Power	per kWh \$ 0.0950	25.8	\$ 2.45	\$ 0.0950	29.475	\$ 2.80	\$ 0.35	14.24%	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%
Smart Meter Entity Charge	Monthly \$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 25.03			\$ 17.05	-\$ 7.98	-31.87%			\$ 17.10	\$ 0.05	0.29%
RTSR - Network	per kWh \$ 0.0067	776	\$ 5.20	\$ 0.0071	779	\$ 5.53	\$ 0.34	6.47%	\$ 0.0071	779	\$ 5.53	\$ -	0.00%
RTSR - Line and Transformation Connection	per kWh \$ 0.0051	776	\$ 3.96	\$ 0.0056	779	\$ 4.37	\$ 0.41	10.32%	\$ 0.0056	779	\$ 4.37	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 34.18			\$ 26.95	-\$ 7.23	-21.16%			\$ 27.00	\$ 0.05	0.19%
Wholesale Market Service Charge (WMSC)	per kWh \$ 0.0044	776	\$ 3.41	\$ 0.0044	779	\$ 3.43	\$ 0.02	0.47%	\$ 0.0044	779	\$ 3.43	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh \$ 0.0013	776	\$ 1.01	\$ 0.0013	779	\$ 1.01	\$ 0.00	0.47%	\$ 0.0013	779	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	Monthly \$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh \$ 0.0070	750	\$ 5.25	\$ 0.0070	750	\$ 5.25	\$ -	0.00%	\$ 0.0070	750	\$ 5.25	\$ -	0.00%
TOU - Off Peak	per kWh \$ 0.0770	480	\$ 36.96	\$ 0.0770	480	\$ 36.96	\$ -	0.00%	\$ 0.0770	480	\$ 36.96	\$ -	0.00%
TOU - Mid Peak	per kWh \$ 0.1140	135	\$ 15.39	\$ 0.1140	135	\$ 15.39	\$ -	0.00%	\$ 0.1140	135	\$ 15.39	\$ -	0.00%
TOU - On Peak	per kWh \$ 0.1400	135	\$ 18.90	\$ 0.1400	135	\$ 18.90	\$ -	0.00%	\$ 0.1400	135	\$ 18.90	\$ -	0.00%
Energy - RPP - Tier 1	per kWh \$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	per kWh \$ 0.1030	150	\$ 15.45	\$ 0.1030	150	\$ 15.45	\$ -	0.00%	\$ 0.1030	150	\$ 15.45	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 115.35			\$ 108.14	-\$ 7.21	-6.25%			\$ 108.19	\$ 0.05	0.05%
HST	13%		\$ 15.00	13%		\$ 14.06	-\$ 0.94	-6.25%	13%		\$ 14.07	\$ 0.01	0.05%
<b>Total Bill (including HST)</b>			\$ 130.35			\$ 122.20	-\$ 8.15	-6.25%			\$ 122.26	\$ 0.06	0.05%
<b>Ontario Clean Energy Benefit<sup>1</sup></b>			-\$ 13.03			\$ -	\$ 13.03	-100.00%			\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			\$ 117.32			\$ 122.20	\$ 4.88	4.16%			\$ 122.26	\$ 0.06	0.05%
<b>Total Bill on RPP (before Taxes)</b>			\$ 112.35			\$ 105.14	-\$ 7.21	-6.42%			\$ 105.19	\$ 0.05	0.05%
HST	13%		\$ 14.61	13%		\$ 13.67	-\$ 0.94	-6.42%	13%		\$ 13.68	\$ 0.01	0.05%
<b>Total Bill (including HST)</b>			\$ 126.96			\$ 118.81	-\$ 8.15	-6.42%			\$ 118.87	\$ 0.06	0.05%
<b>Ontario Clean Energy Benefit<sup>1</sup></b>			-\$ 12.70			\$ -	\$ 12.70	-100.00%			\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			\$ 114.26			\$ 118.81	\$ 4.55	3.98%			\$ 118.87	\$ 0.06	0.05%

Loss Factor (%)

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 11.5500	1	\$ 11.55	\$ 6.1500	1	\$ 6.15	-\$ 5.40	-46.75%	\$ 6.3500	1	\$ 6.35	\$ 0.20	3.25%
Distribution Volumetric Rate	per kWh \$ 0.0141	750	\$ 10.58	\$ 0.0122	750	\$ 9.15	-\$ 1.43	-13.48%	\$ 0.0127	750	\$ 9.53	\$ 0.38	4.10%
<b>"Regular" Distribution Only</b>			\$ 22.13			\$ 15.30	-\$ 6.83	-30.85%			\$ 15.88	\$ 0.57	3.76%



Customer Class:

Unmetered Scattered Load

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 6.5600	1	\$ 6.56	\$ 0.21	3.31%	\$ 6.7300	1	\$ 6.73	\$ 0.17	2.59%	\$ 6.8500	1	\$ 6.85	\$ 0.12
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0130	750	\$ 9.75	\$ 0.23	2.36%	\$ 0.0133	750	\$ 9.98	\$ 0.23	2.31%	\$ 0.0136	750	\$ 10.20	\$ 0.23	2.26%
Rate Rider Tax Change (2015)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
LRAM VA (2016)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
		750	\$ -	\$ -			750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -	\$ -			750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -	\$ -			750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -	\$ -			750	\$ -	\$ -			750	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 16.31	\$ 0.43	2.74%			\$ 16.71	\$ 0.40	2.42%			\$ 17.05	\$ 0.34	2.07%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.0033		\$ -	\$ 2.48	-100.00%	-\$ 0.0033		\$ -	\$ -		-\$ 0.0033		\$ -	\$ -	
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0012	750	\$ 0.90	\$ -	0.00%	\$ 0.0012	750	\$ 0.90	\$ -	0.00%	\$ 0.0012	750	\$ 0.90	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%
Smart Meter Entry Charge	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 20.01	\$ 2.91	17.02%			\$ 20.41	\$ 0.40	1.97%			\$ 20.75	\$ 0.34	1.69%
RTSR - Network	\$ 0.0071	779	\$ 5.53	\$ -	0.00%	\$ 0.0071	779	\$ 5.53	\$ -	0.00%	\$ 0.0071	779	\$ 5.53	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 0.0056	779	\$ 4.37	\$ -	0.00%	\$ 0.0056	779	\$ 4.37	\$ -	0.00%	\$ 0.0056	779	\$ 4.37	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 29.91	\$ 2.91	10.78%			\$ 30.30	\$ 0.40	1.32%			\$ 30.65	\$ 0.34	1.14%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	779	\$ 3.43	\$ -	0.00%	\$ 0.0044	779	\$ 3.43	\$ -	0.00%	\$ 0.0044	779	\$ 3.43	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	779	\$ 1.01	\$ -	0.00%	\$ 0.0013	779	\$ 1.01	\$ -	0.00%	\$ 0.0013	779	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	750	\$ 5.25	\$ -	0.00%	\$ 0.0070	750	\$ 5.25	\$ -	0.00%	\$ 0.0070	750	\$ 5.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	480	\$ 36.96	\$ -	0.00%	\$ 0.0770	480	\$ 36.96	\$ -	0.00%	\$ 0.0770	480	\$ 36.96	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	135	\$ 15.39	\$ -	0.00%	\$ 0.1140	135	\$ 15.39	\$ -	0.00%	\$ 0.1140	135	\$ 15.39	\$ -	0.00%
TOU - On Peak	\$ 0.1400	135	\$ 18.90	\$ -	0.00%	\$ 0.1400	135	\$ 18.90	\$ -	0.00%	\$ 0.1400	135	\$ 18.90	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	150	\$ 15.45	\$ -	0.00%	\$ 0.1030	150	\$ 15.45	\$ -	0.00%	\$ 0.1030	150	\$ 15.45	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 111.10	\$ 2.91	2.69%			\$ 111.50	\$ 0.40	0.36%			\$ 111.84	\$ 0.34	0.31%
HST	13%		\$ 14.44	\$ 0.38	2.69%	13%		\$ 14.49	\$ 0.05	0.36%	13%		\$ 14.54	\$ 0.04	0.31%
<b>Total Bill (including HST)</b>			\$ 125.55	\$ 3.29	2.69%			\$ 125.99	\$ 0.45	0.36%			\$ 126.38	\$ 0.39	0.31%
Ontario Clean Energy Benefit <sup>†</sup>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			\$ 125.55	\$ 3.29	2.69%			\$ 125.99	\$ 0.45	0.36%			\$ 126.38	\$ 0.39	0.31%
<b>Total Bill on RPP (before Taxes)</b>			\$ 108.10	\$ 2.91	2.77%			\$ 108.50	\$ 0.39	0.37%			\$ 108.84	\$ 0.34	0.32%
HST	13%		\$ 14.05	\$ 0.38	2.77%	13%		\$ 14.10	\$ 0.05	0.37%	13%		\$ 14.15	\$ 0.04	0.32%
<b>Total Bill (including HST)</b>			\$ 122.16	\$ 3.29	2.77%			\$ 122.60	\$ 0.45	0.37%			\$ 122.99	\$ 0.39	0.32%
Ontario Clean Energy Benefit <sup>†</sup>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			\$ 122.16	\$ 3.29	2.77%			\$ 122.60	\$ 0.45	0.37%			\$ 122.99	\$ 0.39	0.32%
Loss Factor (%)	3.93%			3.93%			3.93%			3.93%			3.93%		
Distribution Excluding Rate Riders	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6.5600	1	\$ 6.56	\$ 0.21	3.31%	\$ 6.7300	1	\$ 6.73	\$ 0.17	2.59%	\$ 6.8500	1	\$ 6.85	\$ 0.12	1.78%
Distribution Volumetric Rate	\$ 0.0130	750	\$ 9.75	\$ 0.23	2.36%	\$ 0.0133	750	\$ 9.98	\$ 0.23	2.31%	\$ 0.0136	750	\$ 10.20	\$ 0.23	2.26%
<b>"Regular" Distribution Only</b>			\$ 16.31	\$ 0.43	2.74%			\$ 16.71	\$ 0.40	2.42%			\$ 17.05	\$ 0.34	2.07%

**Appendix 2-W  
Bill Impacts**

Customer Class: **Street Lighting**

**Street Lighting**

TOU / non-TOU: **TOU**

Lights Consumption Load **5,000** number of kWh  May 1 - October 31  November 1 - April 30 (Select this radio button for applications filed after Oct 31)  
**150,000** kWh  
**375** kW

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1			
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change		
	Monthly Service Charge (per light)	Monthly	\$ 1.02	5,000	\$ 5,100.00	\$ 0.90	5,000	\$ 4,500.00	-\$ 600.00	-11.76%	\$ 1.03	5,000	\$ 5,150.00	\$ 650.00	14.44%
Smart Meter (SMIRR) Rate Rider	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		
Rate Rider Smart Meters Capital (2016)	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		
Rate Rider Recovery of Stranded Meters	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		
Distribution Volumetric Rate	per kW	\$ 4.6750	375	\$ 1,753.13	\$ 9.5484	375	\$ 3,580.65	\$ 1,827.53	104.24%	\$ 10.9179	375	\$ 4,094.21	\$ 513.56	14.34%	
Rate Rider Tax Change (2015)	per kW	-\$ 0.0278	375	-\$ 10.43	\$ -	375	\$ -	\$ 10.43	-100.00%	\$ -	375	\$ -	\$ -		
LRAM VA (2016)	per kW	\$ -	375	\$ -	\$ 6.6417	375	\$ 2,490.64	\$ 2,490.64		\$ -	375	\$ -	-\$ 2,490.64	-100.00%	
Rate Rider Incremental Capital 2012 True-Up (2016)	per kW	\$ -	375	\$ -	\$ 0.2240	375	\$ 84.00	\$ 84.00		\$ -	375	\$ -	-\$ 84.00	-100.00%	
<b>Sub-Total A (excluding pass through)</b>				\$ 6,842.70			\$ 10,655.29	\$ 3,812.59	55.72%				\$ 9,244.21	-\$ 1,411.08	-13.24%
Deferral/Variance Account Disposition Rate Rider (2016)	per kW	\$ -	375	\$ -	\$ 14.1931	375	\$ 5,322.41	\$ 5,322.41		\$ -	375	\$ -	-\$ 5,322.41	-100.00%	
Rate Rider CGAAP Account 1576 (2016)	per kW	\$ -	375	\$ -	-\$ 3.3056	375	-\$ 1,239.60	-\$ 1,239.60		-\$ 3.3056	375	-\$ 1,239.60	\$ -	0.00%	
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kW	\$ 5.5544		\$ -	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -		
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kW	\$ -	375	\$ -	\$ 4.9465		\$ -	\$ -		\$ -	375	\$ -	\$ -		
Low Voltage Service Charge	per kW	\$ 0.1820	375	\$ 68.25	\$ 0.3372	375	\$ 126.45	\$ 58.20	85.27%	\$ 0.3372	375	\$ 126.45	\$ -	0.00%	
Line Losses on Cost of Power	per kWh	\$ 0.0950	5160	\$ 490.20	\$ 0.0950	5895	\$ 560.02	\$ 69.82	14.24%	\$ 0.0950	5895	\$ 560.02	\$ -	0.00%	
Smart Meter Entity Charge		\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 7,401.15			\$ 15,424.58	\$ 8,023.43	108.41%				\$ 8,691.09	-\$ 6,733.49	-43.65%
RTSR - Network	per kW	\$ 1.9006	375	\$ 712.73	\$ 2.0078	375	\$ 752.93	\$ 40.20	5.64%	\$ 2.0078	375	\$ 752.93	\$ -	0.00%	
RTSR - Line and Transformation Connection	per kW	\$ 1.4538	375	\$ 545.18	\$ 1.6053	375	\$ 601.99	\$ 56.81	10.42%	\$ 1.6053	375	\$ 601.99	\$ -	0.00%	
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 8,659.05			\$ 16,779.49	\$ 8,120.44	93.78%				\$ 10,046.00	-\$ 6,733.49	-40.13%
Wholesale Market Service Charge (WMSC)	per kWh	\$ 0.0044	155160	\$ 682.70	\$ 0.0044	155895	\$ 685.94	\$ 3.23	0.47%	\$ 0.0044	155895	\$ 685.94	\$ -	0.00%	
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	155160	\$ 201.71	\$ 0.0013	155895	\$ 202.66	\$ 0.96	0.47%	\$ 0.0013	155895	\$ 202.66	\$ -	0.00%	
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	150000	\$ 1,050.00	\$ 0.0070	150000	\$ 1,050.00	\$ -	0.00%	\$ 0.0070	150000	\$ 1,050.00	\$ -	0.00%	
TOU - Off Peak	per kWh	\$ 0.0770	96,000	\$ 7,392.00	\$ 0.0770	96,000	\$ 7,392.00	\$ -	0.00%	\$ 0.0770	96,000	\$ 7,392.00	\$ -	0.00%	
TOU - Mid Peak	per kWh	\$ 0.1140	27,000	\$ 3,078.00	\$ 0.1140	27,000	\$ 3,078.00	\$ -	0.00%	\$ 0.1140	27,000	\$ 3,078.00	\$ -	0.00%	
TOU - On Peak	per kWh	\$ 0.1400	27,000	\$ 3,780.00	\$ 0.1400	27,000	\$ 3,780.00	\$ -	0.00%	\$ 0.1400	27,000	\$ 3,780.00	\$ -	0.00%	
Energy - RPP - Tier 1	per kWh	\$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	
Energy - RPP - Tier 2	per kWh	\$ 0.1030	149400	\$ 15,388.20	\$ 0.1030	149400	\$ 15,388.20	\$ -	0.00%	\$ 0.1030	149400	\$ 15,388.20	\$ -	0.00%	
<b>Total Bill on TOU (before Taxes)</b>				\$ 24,843.71			\$ 32,968.34	\$ 8,124.63	32.70%				\$ 26,234.85	-\$ 6,733.49	-20.42%
HST	13%			\$ 3,229.68	13%		\$ 4,285.88	\$ 1,056.20	32.70%	13%			\$ 3,410.53	-\$ 875.35	-20.42%
<b>Total Bill (including HST)</b>				\$ 28,073.39			\$ 37,254.22	\$ 9,180.83	32.70%				\$ 29,645.38	-\$ 7,608.84	-20.42%
<i>Ontario Clean Energy Benefit <sup>1</sup></i>								\$ -					\$ -		
<b>Total Bill on TOU (including OCEB)</b>				\$ 28,073.39			\$ 37,254.22	\$ 9,180.83	32.70%				\$ 29,645.38	-\$ 7,608.84	-20.42%
<b>Total Bill on RPP (before Taxes)</b>				\$ 26,034.71			\$ 34,159.34	\$ 8,124.63	31.21%				\$ 27,425.85	-\$ 6,733.49	-19.71%
HST	13%			\$ 3,384.51	13%		\$ 4,440.71	\$ 1,056.20	31.21%	13%			\$ 3,565.36	-\$ 875.35	-19.71%
<b>Total Bill (including HST)</b>				\$ 29,419.22			\$ 38,600.05	\$ 9,180.83	31.21%				\$ 30,991.21	-\$ 7,608.84	-19.71%
<i>Ontario Clean Energy Benefit <sup>1</sup></i>								\$ -					\$ -		
<b>Total Bill on RPP (including OCEB)</b>				\$ 29,419.22			\$ 38,600.05	\$ 9,180.83	31.21%				\$ 30,991.21	-\$ 7,608.84	-19.71%

Loss Factor (%)

3.44%

3.93%

3.93%

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1			
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change		
	Monthly Service Charge	Monthly	\$ 1.02	5,000	\$ 5,100.00	\$ 0.90	5,000	\$ 4,500.00	-\$ 600.00	-11.76%	\$ 1.03	5,000	\$ 5,150.00	\$ 650.00	14.44%
Distribution Volumetric Rate	per kW	\$ 4.6750	375	\$ 1,753.13	\$ 9.5484	375	\$ 3,580.65	\$ 1,827.53	104.24%	\$ 10.9179	375	\$ 4,094.21	\$ 513.56	14.34%	
<b>"Regular" Distribution Only</b>				\$ 6,853.13			\$ 8,080.65	\$ 1,227.53	17.91%				\$ 9,244.21	\$ 1,163.56	14.40%



Response to the Ontario Energy Board  
Staff Interrogatory 9-Staff-89

Attachment 3





**Appendix 2-W  
Bill Impacts**

Customer Class: **General Service Less Than 50 kW**

**General Service Less Than 50 kW**

TOU / non-TOU: **TOU**

Consumption:  **2,000 kWh**  May 1 - October 31  November 1 - April 30 (Select this radio button for applications filed after Oct 31)

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 25.8500	1	\$ 25.85	\$ 26.8400	1	\$ 26.84	\$ 0.99	3.83%
Smart Meter (SMIRR) Rate Rider	\$ 3.6500	1	\$ 3.65	\$ -	1	\$ -	-\$ 3.65	-100.00%
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ 0.4300	1	\$ 0.43	\$ 0.43	100.00%
Rate Rider Recovery of Stranded Meters (2016)	\$ -	1	\$ -	\$ 3.1200	1	\$ 3.12	\$ 3.12	100.00%
		1	\$ -	\$ -	1	\$ -	\$ -	
		1	\$ -	\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh \$ 0.0106	2000	\$ 21.20	\$ 0.0109	2000	\$ 21.80	\$ 0.60	2.83%
Rate Rider Tax Change (2015)	per kWh \$ -0.0001	2000	-\$ 0.20	\$ -	2000	\$ -	\$ 0.20	-100.00%
LRAM VA (2016)	per kWh \$ -	2000	\$ -	\$ 0.0008	2000	\$ 1.60	\$ 1.60	100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	per kWh \$ -	2000	\$ -	\$ 0.0002	2000	\$ 0.40	\$ 0.40	100.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 50.50			\$ 54.19	\$ 3.69	7.31%
Deferral/Variance Account Disposition Rate Rider (2016)	per kWh \$ -	2000	\$ -	-\$ 0.0005	2000	-\$ 1.00	-\$ 1.00	100.00%
Rate Rider CGAAP Account 1576 (2016)	per kWh \$ -	2000	\$ -	-\$ 0.0024	2000	-\$ 4.80	-\$ 4.80	100.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kWh \$ 0.0156	0	\$ -	\$ -	2000	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kWh \$ -	2000	\$ -	\$ 0.0137	0	\$ -	\$ -	
Low Voltage Service Charge	per kWh \$ 0.0006	2000	\$ 1.20	\$ 0.0011	2000	\$ 2.20	\$ 1.00	83.33%
Line Losses on Cost of Power	per kWh \$ 0.0950	68.8	\$ 6.54	\$ 0.0950	78.6	\$ 7.47	\$ 0.93	14.24%
Smart Meter Entry Charge	Monthly \$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 59.03			\$ 58.85	-\$ 0.18	-0.30%
RTSR - Network	per kWh \$ 0.0060	2069	\$ 12.41	\$ 0.0063	2079	\$ 13.10	\$ 0.68	5.50%
RTSR - Line and Transformation Connection	per kWh \$ 0.0046	2069	\$ 9.52	\$ 0.0051	2079	\$ 10.60	\$ 1.08	11.39%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 80.96			\$ 82.54	\$ 1.59	1.96%
Wholesale Market Service Charge (WMSC)	per kWh \$ 0.0044	2069	\$ 9.10	\$ 0.0044	2079	\$ 9.15	\$ 0.04	0.47%
Rural and Remote Rate Protection (RRRP)	per kWh \$ 0.0013	2069	\$ 2.69	\$ 0.0013	2079	\$ 2.70	\$ 0.01	0.47%
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	2000	\$ 14.00	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
TOU - Off Peak	per kWh \$ 0.0770	1280	\$ 98.56	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%
TOU - Mid Peak	per kWh \$ 0.1140	360	\$ 41.04	\$ 0.1140	360	\$ 41.04	\$ -	0.00%
TOU - On Peak	per kWh \$ 0.1400	360	\$ 50.40	\$ 0.1400	360	\$ 50.40	\$ -	0.00%
Energy - RPP - Tier 1	per kWh \$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	per kWh \$ 0.1030	1400	\$ 144.20	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 297.00			\$ 298.64	\$ 1.64	0.55%
HST	13%		\$ 38.61	13%		\$ 38.82	\$ 0.21	0.55%
<b>Total Bill (including HST)</b>			\$ 335.61			\$ 337.46	\$ 1.86	0.55%
<b>Ontario Clean Energy Benefit</b>			-\$ 33.56			-\$ 33.75	-\$ 0.19	0.57%
<b>Total Bill on TOU (including OCEB)</b>			\$ 302.05			\$ 303.71	\$ 1.67	0.55%
<b>Total Bill on RPP (before Taxes)</b>			\$ 251.20			\$ 252.84	\$ 1.64	0.65%
HST	13%		\$ 32.66	13%		\$ 32.87	\$ 0.21	0.65%
<b>Total Bill (including HST)</b>			\$ 283.85			\$ 285.71	\$ 1.86	0.65%
<b>Ontario Clean Energy Benefit</b>			-\$ 28.39			-\$ 28.57	-\$ 0.18	0.63%
<b>Total Bill on RPP (including OCEB)</b>			\$ 255.46			\$ 257.14	\$ 1.68	0.66%

Rate (\$)	Volume	Charge (\$)	Impact 2017 TEST 2 vs. 2016 Test 1	
			\$ Change	% Change
\$ 27.6000	1	\$ 27.60	\$ 0.76	2.83%
\$ -	1	\$ -	\$ -	
\$ -	1	\$ -	-\$ 0.43	-100.00%
\$ 3.1200	1	\$ 3.12	\$ -	0.00%
\$ -	1	\$ -	\$ -	
\$ -	1	\$ -	\$ -	
\$ 0.0112	2000	\$ 22.40	\$ 0.60	2.75%
\$ -	2000	\$ -	\$ -	
\$ -	2000	\$ -	-\$ 1.60	-100.00%
\$ -	2000	\$ -	-\$ 0.40	-100.00%
		\$ 53.12	-\$ 1.07	-1.97%
\$ -	2000	\$ -	\$ 1.00	-100.00%
\$ -	2000	\$ -	\$ -	
-\$ 0.0024	2000	-\$ 4.80	\$ -	0.00%
\$ -	2000	\$ -	\$ -	
\$ -	2000	\$ -	\$ -	
\$ 0.0011	2000	\$ 2.20	\$ -	0.00%
\$ 0.0950	78.6	\$ 7.47	\$ -	0.00%
\$ 0.7900	1	\$ 0.79	\$ -	0.00%
		\$ 58.78	-\$ 0.07	-0.12%
\$ 0.0063	2079	\$ 13.10	\$ -	0.00%
\$ 0.0051	2079	\$ 10.60	\$ -	0.00%
		\$ 82.47	-\$ 0.07	-0.08%
\$ 0.0044	2079	\$ 9.15	\$ -	0.00%
\$ 0.0013	2079	\$ 2.70	\$ -	0.00%
\$ 0.2500	1	\$ 0.25	\$ -	0.00%
\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
\$ 0.0770	1280	\$ 98.56	\$ -	0.00%
\$ 0.1140	360	\$ 41.04	\$ -	0.00%
\$ 0.1400	360	\$ 50.40	\$ -	0.00%
\$ 0.0880	600	\$ 52.80	\$ -	0.00%
\$ 0.1030	1400	\$ 144.20	\$ -	0.00%
13%		\$ 298.57	-\$ 0.07	-0.02%
		\$ 38.81	-\$ 0.01	-0.02%
		\$ 337.39	-\$ 0.08	-0.02%
		-\$ 33.74	\$ 0.01	-0.03%
		\$ 303.65	-\$ 0.07	-0.02%
13%		\$ 252.77	-\$ 0.07	-0.03%
		\$ 32.86	-\$ 0.01	-0.03%
		\$ 285.63	-\$ 0.08	-0.03%
		-\$ 28.56	\$ 0.01	-0.04%
		\$ 257.07	-\$ 0.07	-0.03%

Loss Factor (%)

**3.44%**

**3.93%**

**3.93%**

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 25.8500	1	\$ 25.85	\$ 26.8400	1	\$ 26.84	\$ 0.99	3.83%
Distribution Volumetric Rate	per kWh \$ 0.0106	2000	\$ 21.20	\$ 0.0109	2000	\$ 21.80	\$ 0.60	2.83%
<b>"Regular" Distribution Only</b>			\$ 47.05			\$ 48.64	\$ 1.59	3.38%

Rate (\$)	Volume	Charge (\$)	Impact 2017 TEST 2 vs. 2016 Test 1	
			\$ Change	% Change
\$ 27.6000	1	\$ 27.60	\$ 0.76	2.83%
\$ 0.0112	2000	\$ 22.40	\$ 0.60	2.75%
		\$ 50.00	\$ 1.36	2.80%

Customer Class:

General Service Less Than 50 kW

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 28.1600	1	\$ 28.16	\$ 0.56	2.03%	\$ 28.6000	1	\$ 28.60	\$ 0.44	1.56%	\$ 28.8300	1	\$ 28.83	\$ 0.23	0.80%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters (2016)	\$ 3.1200	1	\$ 3.12	\$ -	0.00%	\$ 3.1200		\$ -	-\$ 3.12	-100.00%	\$ 3.1200		\$ -	\$ -	
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0116	2000	\$ 23.20	\$ 0.80	3.57%	\$ 0.0121	2000	\$ 24.20	\$ 1.00	4.31%	\$ 0.0125	2000	\$ 25.00	\$ 0.80	3.31%
Rate Rider Tax Change (2015)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
LRAM VA (2016)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 54.48	\$ 1.36	2.56%			\$ 52.80	-\$ 1.68	-3.08%			\$ 53.83	\$ 1.03	1.95%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.0024	2000	-\$ 4.80	\$ -	0.00%	-\$ 0.0024	2000	\$ -	\$ 4.80	-100.00%	-\$ 0.0024	2000	\$ -	\$ -	
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	78.6	\$ 7.47	\$ -	0.00%	\$ 0.0950	78.6	\$ 7.47	\$ -	0.00%	\$ 0.0950	78.6	\$ 7.47	\$ -	0.00%
Smart Meter Entity Charge	\$ 0.7900	1	\$ 0.79	\$ -	0.00%	\$ 0.7900	1	\$ 0.79	\$ -	0.00%	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 60.14	\$ 1.36	2.31%			\$ 63.26	\$ 3.12	5.19%			\$ 64.29	\$ 1.03	1.63%
RTSR - Network	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 83.83	\$ 1.36	1.65%			\$ 86.95	\$ 3.12	3.72%			\$ 87.98	\$ 1.03	1.18%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	360	\$ 41.04	\$ -	0.00%	\$ 0.1140	360	\$ 41.04	\$ -	0.00%	\$ 0.1140	360	\$ 41.04	\$ -	0.00%
TOU - On Peak	\$ 0.1400	360	\$ 50.40	\$ -	0.00%	\$ 0.1400	360	\$ 50.40	\$ -	0.00%	\$ 0.1400	360	\$ 50.40	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 299.93	\$ 1.36	0.46%			\$ 303.05	\$ 3.12	1.04%			\$ 304.08	\$ 1.03	0.34%
HST	13%		\$ 38.99	\$ 0.18	0.46%	13%		\$ 39.40	\$ 0.41	1.04%	13%		\$ 39.53	\$ 0.13	0.34%
<b>Total Bill (including HST)</b>			\$ 338.92	\$ 1.54	0.46%			\$ 342.45	\$ 3.53	1.04%			\$ 343.61	\$ 1.16	0.34%
Ontario Clean Energy Benefit			-\$ 33.89	-\$ 0.15	0.44%			-\$ 34.24	-\$ 0.35	1.03%			-\$ 34.36	-\$ 0.12	0.35%
<b>Total Bill on TOU (including OCEB)</b>			\$ 305.03	\$ 1.39	0.46%			\$ 308.21	\$ 3.18	1.04%			\$ 309.25	\$ 1.04	0.34%
<b>Total Bill on RPP (before Taxes)</b>			\$ 254.13	\$ 1.36	0.54%			\$ 257.25	\$ 3.12	1.23%			\$ 258.28	\$ 1.03	0.40%
HST	13%		\$ 33.04	\$ 0.18	0.54%	13%		\$ 33.44	\$ 0.41	1.23%	13%		\$ 33.58	\$ 0.13	0.40%
<b>Total Bill (including HST)</b>			\$ 287.17	\$ 1.54	0.54%			\$ 290.69	\$ 3.53	1.23%			\$ 291.86	\$ 1.16	0.40%
Ontario Clean Energy Benefit			-\$ 28.72	-\$ 0.16	0.56%			-\$ 29.07	-\$ 0.35	1.22%			-\$ 29.19	-\$ 0.12	0.41%
<b>Total Bill on RPP (including OCEB)</b>			\$ 258.45	\$ 1.38	0.54%			\$ 261.62	\$ 3.18	1.23%			\$ 262.67	\$ 1.04	0.40%

Loss Factor (%)

3.93%

3.93%

3.93%

Distribution Excluding Rate Riders

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 28.1600	1	\$ 28.16	\$ 0.56	2.03%	\$ 28.6000	1	\$ 28.60	\$ 0.44	1.56%	\$ 28.8300	1	\$ 28.83	\$ 0.23	0.80%
Distribution Volumetric Rate	\$ 0.0116	2000	\$ 23.20	\$ 0.80	3.57%	\$ 0.0121	2000	\$ 24.20	\$ 1.00	4.31%	\$ 0.0125	2000	\$ 25.00	\$ 0.80	3.31%
<b>"Regular" Distribution Only</b>			\$ 51.36	\$ 1.36	2.72%			\$ 52.80	\$ 1.44	2.80%			\$ 53.83	\$ 1.03	1.95%



**Appendix 2-W  
Bill Impacts**

Customer Class: **General Service 50 to 4,999 kW**

**General Service 50 to 4,999 kW**

TOU / non-TOU: **TOU**

Consumption Load:  40,000 kWh  60 kW  May 1 - October 31  November 1 - April 30 (Select this radio button for applications filed after Oct 31)

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 280.0900	1	\$ 280.09	\$ 314.2800	1	\$ 314.28	\$ 34.19	12.21%	\$ 322.9900	1	\$ 322.99	\$ 8.71
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	per kW \$ 2.0063	60	\$ 120.38	\$ 2.0517	60	\$ 123.10	\$ 2.72	2.26%	\$ 2.1314	60	\$ 127.88	\$ 4.78	3.88%
Rate Rider Tax Change (2015)	per kW -\$ 0.0099	60	\$ 0.59	\$ -	60	\$ -	\$ 0.59	-100.00%	\$ -	60	\$ -	\$ -	
LRAM VA (2016)	per kW \$ -	60	\$ -	\$ 0.0293	60	\$ 1.76	\$ 1.76	100.00%	\$ -	60	\$ -	\$ -1.76	-100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	per kW \$ -	60	\$ -	\$ 0.0380	60	\$ 2.28	\$ 2.28	100.00%	\$ -	60	\$ -	\$ -2.28	-100.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 399.87			\$ 441.42	\$ 41.55	10.39%			\$ 450.87	\$ 9.45	2.14%
Deferral/Variance Account Disposition Rate Rider (2016)	per kW \$ -	60	\$ -	\$ 0.7402	60	\$ 44.41	\$ 44.41	100.00%	\$ -	60	\$ -	\$ -44.41	-100.00%
Deferral/Variance Account Disposition Rate Rider (2016), excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -1.1043	60	\$ -66.26	\$ -66.26	100.00%	\$ -	60	\$ -	\$ 66.26	-100.00%
Rate Rider CGAAP Account 1576 (2016)	per kW \$ -	60	\$ -	\$ -0.3742	60	\$ -22.45	\$ -22.45	100.00%	\$ -0.3742	60	\$ -22.45	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	per kW \$ 5.7342		\$ -	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	per kW \$ -	60	\$ -	\$ 4.9999		\$ -	\$ -		\$ -	60	\$ -	\$ -	
Low Voltage Service Charge	per kW \$ 0.2520	60	\$ 15.12	\$ 0.4669	60	\$ 28.01	\$ 12.89	85.28%	\$ 0.4669	60	\$ 28.01	\$ -	0.00%
Line Losses on Cost of Power	per kWh \$ 0.0950	1,376	\$ 130.72	\$ 0.0950	1572	\$ 149.34	\$ 18.62	14.24%	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%
Smart Meter Enticement Charge	per kWh \$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 545.71			\$ 574.48	\$ 28.76	5.27%			\$ 605.78	\$ 31.30	5.45%
RTSR - Network	per kW \$ 2.6313	60	\$ 157.88	\$ 2.7797	60	\$ 166.78	\$ 8.90	5.64%	\$ 2.7797	60	\$ 166.78	\$ -	0.00%
RTSR - Line and Transformation Connection	per kW \$ 2.0128	60	\$ 120.77	\$ 2.2225	60	\$ 133.35	\$ 12.58	10.42%	\$ 2.2225	60	\$ 133.35	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 824.36			\$ 874.61	\$ 50.25	6.10%			\$ 905.91	\$ 31.30	3.58%
Wholesale Market Service Charge (WMSC)	per kWh \$ 0.0044	41376	\$ 182.05	\$ 0.0044	41572	\$ 182.92	\$ 0.86	0.47%	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh \$ 0.0013	41376	\$ 53.79	\$ 0.0013	41572	\$ 54.04	\$ 0.25	0.47%	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%
Standard Supply Service Charge	Monthly \$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh \$ 0.0070	40000	\$ 280.00	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%
TOU - Off Peak	per kWh \$ 0.0770	25600	\$ 1,971.20	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%
TOU - Mid Peak	per kWh \$ 0.1140	7200	\$ 820.80	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%
TOU - On Peak	per kWh \$ 0.1400	7200	\$ 1,008.00	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%
Energy - RPP - Tier 1	per kWh \$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	per kWh \$ 0.1030	39400	\$ 4,058.20	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 5,140.45			\$ 5,191.82	\$ 51.37	1.00%			\$ 5,223.12	\$ 31.30	0.60%
HST	13%		\$ 668.26	13%		\$ 674.94	\$ 6.68	1.00%	13%		\$ 679.01	\$ 4.07	0.60%
<b>Total Bill (including HST)</b>			\$ 5,808.71			\$ 5,866.75	\$ 58.04	1.00%			\$ 5,902.12	\$ 35.37	0.60%
<i>Ontario Clean Energy Benefit<sup>1</sup></i>			\$ -			\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			\$ 5,808.71			\$ 5,866.75	\$ 58.04	1.00%			\$ 5,902.12	\$ 35.37	0.60%
<b>Total Bill on RPP (before Taxes)</b>			\$ 5,398.65			\$ 5,450.02	\$ 51.37	0.95%			\$ 5,481.32	\$ 31.30	0.57%
HST	13%		\$ 701.82	13%		\$ 708.50	\$ 6.68	0.95%	13%		\$ 712.57	\$ 4.07	0.57%
<b>Total Bill (including HST)</b>			\$ 6,100.48			\$ 6,158.52	\$ 58.04	0.95%			\$ 6,193.89	\$ 35.37	0.57%
<i>Ontario Clean Energy Benefit<sup>1</sup></i>			\$ -			\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			\$ 6,100.48			\$ 6,158.52	\$ 58.04	0.95%			\$ 6,193.89	\$ 35.37	0.57%

Loss Factor (%) **3.44%**

**3.93%**

**3.93%**

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 280.09	1	\$ 280.09	\$ 314.28	1	\$ 314.28	\$ 34.19	12.21%	\$ 322.99	1	\$ 322.99	\$ 8.71
Distribution Volumetric Rate	per kW \$ 2.0063	60	\$ 120.38	\$ 2.0517	60	\$ 123.10	\$ 2.72	2.26%	\$ 2.1314	60	\$ 127.88	\$ 4.78	3.88%
<b>"Regular" Distribution Only</b>			\$ 400.47			\$ 437.38	\$ 36.91	9.22%			\$ 450.87	\$ 13.49	3.08%







**Appendix 2-W  
Bill Impacts**

Customer Class: **Unmetered Scattered Load**

Unmetered Scattered Load

TOU / non-TOU: **TOU**

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

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 11.5500	1	\$ 11.55	\$ 6.1500	1	\$ 6.15	-\$ 5.40	-46.75%	\$ 6.3500	1	\$ 6.35	\$ 0.20	3.25%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh \$ 0.0141	750	\$ 10.58	\$ 0.0122	750	\$ 9.15	-\$ 1.43	-13.48%	\$ 0.0127	750	\$ 9.53	\$ 0.38	4.10%
Rate Rider Tax Change (2015)	per kWh \$ 0.0001	750	\$ 0.08	\$ -	750	\$ -	\$ 0.08	-100.00%	\$ -	750	\$ -	\$ -	
LRAM VA (2016)	per kWh \$ -	750	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	per kWh \$ -	750	\$ -	\$ 0.0002	750	\$ 0.15	\$ 0.15		\$ -	750	\$ -	-\$ 0.15	-100.00%
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 22.05			\$ 15.45	-\$ 6.60	-29.93%			\$ 15.88	\$ 0.42	2.75%
Deferral/Variance Account Disposition Rate Rider (2016)	per kWh \$ -	750	\$ -	\$ 0.0005	750	\$ 0.38	\$ 0.38		\$ -	750	\$ -	-\$ 0.38	-100.00%
Rate Rider CGAAP Account 1576 (2016)	per kWh \$ -	750	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kWh \$ 0.0156	0	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kWh \$ -	750	\$ -	\$ 0.0137	0	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	per kWh \$ 0.0007	750	\$ 0.53	\$ 0.0012	750	\$ 0.90	\$ 0.38	71.43%	\$ 0.0012	750	\$ 0.90	\$ -	0.00%
Line Losses on Cost of Power	per kWh \$ 0.0950	25.8	\$ 2.45	\$ 0.0950	29.475	\$ 2.80	\$ 0.35	14.24%	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%
Smart Meter Entity Charge	Monthly \$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 25.03			\$ 17.88	-\$ 7.15	-28.57%			\$ 17.93	\$ 0.05	0.28%
RTSR - Network	per kWh \$ 0.0067	776	\$ 5.20	\$ 0.0071	779	\$ 5.53	\$ 0.34	6.47%	\$ 0.0071	779	\$ 5.53	\$ -	0.00%
RTSR - Line and Transformation Connection	per kWh \$ 0.0051	776	\$ 3.96	\$ 0.0056	779	\$ 4.37	\$ 0.41	10.32%	\$ 0.0056	779	\$ 4.37	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 34.18			\$ 27.77	-\$ 6.41	-18.74%			\$ 27.82	\$ 0.05	0.18%
Wholesale Market Service Charge (WMSC)	per kWh \$ 0.0044	776	\$ 3.41	\$ 0.0044	779	\$ 3.43	\$ 0.02	0.47%	\$ 0.0044	779	\$ 3.43	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh \$ 0.0013	776	\$ 1.01	\$ 0.0013	779	\$ 1.01	\$ 0.00	0.47%	\$ 0.0013	779	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	Monthly \$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh \$ 0.0070	750	\$ 5.25	\$ 0.0070	750	\$ 5.25	\$ -	0.00%	\$ 0.0070	750	\$ 5.25	\$ -	0.00%
TOU - Off Peak	per kWh \$ 0.0770	480	\$ 36.96	\$ 0.0770	480	\$ 36.96	\$ -	0.00%	\$ 0.0770	480	\$ 36.96	\$ -	0.00%
TOU - Mid Peak	per kWh \$ 0.1140	135	\$ 15.39	\$ 0.1140	135	\$ 15.39	\$ -	0.00%	\$ 0.1140	135	\$ 15.39	\$ -	0.00%
TOU - On Peak	per kWh \$ 0.1400	135	\$ 18.90	\$ 0.1400	135	\$ 18.90	\$ -	0.00%	\$ 0.1400	135	\$ 18.90	\$ -	0.00%
Energy - RPP - Tier 1	per kWh \$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	per kWh \$ 0.1030	150	\$ 15.45	\$ 0.1030	150	\$ 15.45	\$ -	0.00%	\$ 0.1030	150	\$ 15.45	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 115.35			\$ 108.97	-\$ 6.39	-5.54%			\$ 109.02	\$ 0.05	0.05%
HST	13%		\$ 15.00	13%		\$ 14.17	-\$ 0.83	-5.54%	13%		\$ 14.17	\$ 0.01	0.05%
<b>Total Bill (including HST)</b>			\$ 130.35			\$ 123.13	-\$ 7.22	-5.54%			\$ 123.19	\$ 0.06	0.05%
<b>Ontario Clean Energy Benefit<sup>1</sup></b>			-\$ 13.03			\$ -	\$ 13.03	-100.00%			\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			\$ 117.32			\$ 123.13	\$ 5.81	4.96%			\$ 123.19	\$ 0.06	0.05%
<b>Total Bill on RPP (before Taxes)</b>			\$ 112.35			\$ 105.97	-\$ 6.39	-5.68%			\$ 106.02	\$ 0.05	0.05%
HST	13%		\$ 14.61	13%		\$ 13.78	-\$ 0.83	-5.68%	13%		\$ 13.78	\$ 0.01	0.05%
<b>Total Bill (including HST)</b>			\$ 126.96			\$ 119.74	-\$ 7.22	-5.68%			\$ 119.80	\$ 0.06	0.05%
<b>Ontario Clean Energy Benefit<sup>1</sup></b>			-\$ 12.70			\$ -	\$ 12.70	-100.00%			\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			\$ 114.26			\$ 119.74	\$ 5.48	4.80%			\$ 119.80	\$ 0.06	0.05%

Loss Factor (%)

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 11.5500	1	\$ 11.55	\$ 6.1500	1	\$ 6.15	-\$ 5.40	-46.75%	\$ 6.3500	1	\$ 6.35	\$ 0.20	3.25%
Distribution Volumetric Rate	per kWh \$ 0.0141	750	\$ 10.58	\$ 0.0122	750	\$ 9.15	-\$ 1.43	-13.48%	\$ 0.0127	750	\$ 9.53	\$ 0.38	4.10%
<b>"Regular" Distribution Only</b>			\$ 22.13			\$ 15.30	-\$ 6.83	-30.85%			\$ 15.88	\$ 0.57	3.76%









Response to the Ontario Energy Board  
Staff Interrogatory 9-Staff-89

Attachment 4

### Appendix 2-W Bill Impacts

Customer Class: Residential

Residential

TOU / non-TOU: TOU

Consumption: 800 kWh

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 12.5600	1	\$ 12.56	\$ 16.4000	1	\$ 16.40	\$ 3.84	30.57%	\$ 19.7800	1	\$ 19.78	\$ 3.38
Smart Meter (SMIR) Rate Rider	\$ 2.6300	1	\$ 2.63	\$ -	1	\$ -	-\$ 2.63	-100.00%	\$ -	1	\$ -	\$ -	\$ -
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ 0.25	1	\$ 0.25	\$ 0.25		\$ -	1	\$ -	-\$ 0.25	-100.00%
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ 1.35	1	\$ 1.35	\$ 1.35		\$ 1.35	1	\$ 1.35	\$ -	0.00%
	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	\$ -
	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	\$ -
Distribution Volumetric Rate	per kWh \$ 0.0154	800	\$ 12.32	\$ 0.0126	800	\$ 10.08	-\$ 2.24	-18.18%	\$ 0.0087	800	\$ 6.96	-\$ 3.12	-30.95%
Rate Rider Tax Change (2015)	per kWh -\$ 0.0001	800	\$ 0.08	\$ -	800	\$ -	\$ 0.08	-100.00%	\$ -	800	\$ -	\$ -	\$ -
LRAM VA (2016)	per kWh \$ -	800	\$ -	\$ 0.0003	800	\$ 0.24	\$ 0.24		\$ -	800	\$ -	-\$ 0.24	-100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	per kWh \$ -	800	\$ -	\$ 0.0004	800	\$ 0.32	\$ 0.32		\$ -	800	\$ -	-\$ 0.32	-100.00%
	per kWh \$ -	-	\$ -	\$ -	-	\$ -	\$ -		-	\$ -	\$ -	\$ -	\$ -
	\$ -	800	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	\$ -
	\$ -	800	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	\$ -
	\$ -	800	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	\$ -
	\$ -	800	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	\$ -
	\$ -	800	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	\$ -
	\$ -	800	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	\$ -
<b>Sub-Total A (excluding pass through)</b>			\$ 27.43			\$ 28.64	\$ 1.21	4.41%			\$ 28.09	-\$ 0.55	-1.92%
Deferral/Variance Account Disposition Rate Rider (2016)	per kWh \$ -	800	\$ -	\$ 0.0010	800	\$ 0.80	\$ 0.80		\$ -	800	\$ -	-\$ 0.80	-100.00%
Rate Rider CGAAP Account 1576 (2016)	per kWh \$ -	800	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	\$ -
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kWh \$ 0.0156	0	\$ -	\$ -	800	\$ -	-\$ 2.40		-\$ 0.0030	800	\$ 2.40	\$ -	0.00%
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kWh \$ -	800	\$ -	\$ 0.0137	0	\$ -	\$ -		\$ -	800	\$ -	\$ -	\$ -
Low Voltage Service Charge	per kWh \$ 0.0007	800	\$ 0.56	\$ 0.0012	800	\$ 0.96	\$ 0.40	71.43%	\$ 0.0012	800	\$ 0.96	\$ -	0.00%
Line Losses on Cost of Power	per kWh \$ 0.0950	27.52	\$ 2.61	\$ 0.0950	31.44	\$ 2.99	\$ 0.37	14.24%	\$ 0.0950	31.44	\$ 2.99	\$ -	0.00%
Smart Meter Enticement Charge	Monthly \$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -		\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 31.39			\$ 31.78	\$ 0.38	1.22%			\$ 30.43	-\$ 1.35	-4.25%
RTSR - Network	per kWh \$ 0.0067	828	\$ 5.54	\$ 0.0071	831	\$ 5.90	\$ 0.36	6.47%	\$ 0.0071	831	\$ 5.90	\$ -	0.00%
RTSR - Line and Transformation Connection	per kWh \$ 0.0051	828	\$ 4.22	\$ 0.0056	831	\$ 4.66	\$ 0.44	10.32%	\$ 0.0056	831	\$ 4.66	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 41.16			\$ 42.34	\$ 1.18	2.86%			\$ 40.99	-\$ 1.35	-3.19%
Wholesale Market Service Charge (WMSC)	per kWh \$ 0.0044	828	\$ 3.64	\$ 0.0044	831	\$ 3.66	\$ 0.02	0.47%	\$ 0.0044	831	\$ 3.66	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh \$ 0.0013	828	\$ 1.08	\$ 0.0013	831	\$ 1.08	\$ 0.01	0.47%	\$ 0.0013	831	\$ 1.08	\$ -	0.00%
Standard Supply Service Charge	Monthly \$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh \$ 0.0070	800	\$ 5.60	\$ 0.0070	800	\$ 5.60	\$ -	0.00%	\$ 0.0070	800	\$ 5.60	\$ -	0.00%
TOU - Off Peak	per kWh \$ 0.0770	512	\$ 39.42	\$ 0.0770	512	\$ 39.42	\$ -	0.00%	\$ 0.0770	512	\$ 39.42	\$ -	0.00%
TOU - Mid Peak	per kWh \$ 0.1140	144	\$ 16.42	\$ 0.1140	144	\$ 16.42	\$ -	0.00%	\$ 0.1140	144	\$ 16.42	\$ -	0.00%
TOU - On Peak	per kWh \$ 0.1400	144	\$ 20.16	\$ 0.1400	144	\$ 20.16	\$ -	0.00%	\$ 0.1400	144	\$ 20.16	\$ -	0.00%
Energy - RPP - Tier 1	per kWh \$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	per kWh \$ 0.1030	200	\$ 20.60	\$ 0.1030	200	\$ 20.60	\$ -	0.00%	\$ 0.1030	200	\$ 20.60	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 127.73			\$ 128.93	\$ 1.20	0.94%			\$ 127.58	-\$ 1.35	-1.05%
HST		13%	\$ 16.60		13%	\$ 16.76	\$ 0.16	0.94%		13%	\$ 16.58	-\$ 0.18	-1.05%
<b>Total Bill (including HST)</b>			\$ 144.33			\$ 145.69	\$ 1.36	0.94%			\$ 144.16	-\$ 1.53	-1.05%
<b>Ontario Clean Energy Benefit †</b>			-\$ 14.43			-\$ 14.57	-\$ 0.14	0.97%			-\$ 14.42	\$ 0.15	-1.03%
<b>Total Bill on TOU (including OCEB)</b>			\$ 129.90			\$ 131.12	\$ 1.22	0.94%			\$ 129.74	-\$ 1.38	-1.05%
<b>Total Bill on RPP (before Taxes)</b>			\$ 125.13			\$ 126.33	\$ 1.20	0.96%			\$ 124.98	-\$ 1.35	-1.07%
HST		13%	\$ 16.27		13%	\$ 16.42	\$ 0.16	0.96%		13%	\$ 16.25	-\$ 0.18	-1.07%
<b>Total Bill (including HST)</b>			\$ 141.39			\$ 142.75	\$ 1.36	0.96%			\$ 141.22	-\$ 1.53	-1.07%
<b>Ontario Clean Energy Benefit †</b>			-\$ 14.14			-\$ 14.27	-\$ 0.13	0.92%			-\$ 14.12	\$ 0.15	-1.05%
<b>Total Bill on RPP (including OCEB)</b>			\$ 127.25			\$ 128.48	\$ 1.23	0.96%			\$ 127.10	-\$ 1.38	-1.07%

Loss Factor (%)

3.44%

3.93%

3.93%

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 12.5600	1	\$ 12.56	\$ 16.4000	1	\$ 16.40	\$ 3.84	30.57%	\$ 19.7800	1	\$ 19.78	\$ 3.38
Distribution Volumetric Rate	per kWh \$ 0.0154	800	\$ 12.32	\$ 0.0126	800	\$ 10.08	-\$ 2.24	-18.18%	\$ 0.0087	800	\$ 6.96	-\$ 3.12	-30.95%
<b>"Regular" Distribution Only</b>			\$ 24.88			\$ 26.48	\$ 1.60	6.43%			\$ 26.74	\$ 0.26	0.98%

Customer Class:

Residential

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 23.3000	1	\$ 23.30	\$ 3.52	17.80%	\$ 26.9700	1	\$ 26.97	\$ 3.67	15.75%	\$ 27.6100	1	\$ 27.61	\$ 0.64
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ 1.35	1	\$ 1.35	\$ -	0.00%	\$ 1.35	1	\$ 1.35	\$ -	0.00%	\$ 1.35		\$ -	\$ -	-100.00%
		1	\$ -	\$ -			1	\$ -	\$ -			1	\$ -	\$ -	
		1	\$ -	\$ -			1	\$ -	\$ -			1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0045	800	\$ 3.60	-\$ 3.36	-48.28%	\$ -	800	\$ -	-\$ 3.60	-100.00%	\$ -	800	\$ -	\$ -	
Rate Rider Tax Change (2015)	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
LRAM VA (2016)	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
		800	\$ -	\$ -			800	\$ -	\$ -			800	\$ -	\$ -	
		800	\$ -	\$ -			800	\$ -	\$ -			800	\$ -	\$ -	
		800	\$ -	\$ -			800	\$ -	\$ -			800	\$ -	\$ -	
		800	\$ -	\$ -			800	\$ -	\$ -			800	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 28.25	\$ 0.16	0.57%			\$ 28.32	\$ 0.07	0.25%			\$ 27.61	-\$ 0.71	-2.51%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
		800	\$ -	\$ -			800	\$ -	\$ -			800	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.0030	800	-\$ 2.40	\$ -	0.00%	-\$ 0.0030	800	-\$ 2.40	\$ -	0.00%	-\$ 0.0030		\$ -	\$ 2.40	-100.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0012	800	\$ 0.96	\$ -	0.00%	\$ 0.0012	800	\$ 0.96	\$ -	0.00%	\$ 0.0012	800	\$ 0.96	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950		\$ 2.99	\$ -	0.00%	\$ 0.0950		\$ 2.99	\$ -	0.00%	\$ 0.0950		\$ 2.99	\$ -	0.00%
Smart Meter Entire Charge	\$ 0.7900	1	\$ 0.79	\$ -	0.00%	\$ 0.7900	1	\$ 0.79	\$ -	0.00%	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 30.59	\$ 0.16	0.53%			\$ 30.66	\$ 0.07	0.23%			\$ 32.35	\$ 1.69	5.51%
RTSR - Network	\$ 0.0071	831	\$ 5.90	\$ -	0.00%	\$ 0.0071	831	\$ 5.90	\$ -	0.00%	\$ 0.0071	831	\$ 5.90	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 0.0056	831	\$ 4.66	\$ -	0.00%	\$ 0.0056	831	\$ 4.66	\$ -	0.00%	\$ 0.0056	831	\$ 4.66	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 41.15	\$ 0.16	0.39%			\$ 41.22	\$ 0.07	0.17%			\$ 42.91	\$ 1.69	4.10%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	831	\$ 3.66	\$ -	0.00%	\$ 0.0044	831	\$ 3.66	\$ -	0.00%	\$ 0.0044	831	\$ 3.66	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	831	\$ 1.08	\$ -	0.00%	\$ 0.0013	831	\$ 1.08	\$ -	0.00%	\$ 0.0013	831	\$ 1.08	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	800	\$ 5.60	\$ -	0.00%	\$ 0.0070	800	\$ 5.60	\$ -	0.00%	\$ 0.0070	800	\$ 5.60	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	512	\$ 39.42	\$ -	0.00%	\$ 0.0770	512	\$ 39.42	\$ -	0.00%	\$ 0.0770	512	\$ 39.42	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	144	\$ 16.42	\$ -	0.00%	\$ 0.1140	144	\$ 16.42	\$ -	0.00%	\$ 0.1140	144	\$ 16.42	\$ -	0.00%
TOU - On Peak	\$ 0.1400	144	\$ 20.16	\$ -	0.00%	\$ 0.1400	144	\$ 20.16	\$ -	0.00%	\$ 0.1400	144	\$ 20.16	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	200	\$ 20.60	\$ -	0.00%	\$ 0.1030	200	\$ 20.60	\$ -	0.00%	\$ 0.1030	200	\$ 20.60	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 127.74	\$ 0.16	0.13%			\$ 127.81	\$ 0.07	0.05%			\$ 129.50	\$ 1.69	1.32%
HST	13%		\$ 16.61	\$ 0.02	0.13%	13%		\$ 16.61	\$ 0.01	0.05%	13%		\$ 16.83	\$ 0.22	1.32%
<b>Total Bill (including HST)</b>			\$ 144.34	\$ 0.18	0.13%			\$ 144.42	\$ 0.08	0.05%			\$ 146.33	\$ 1.91	1.32%
<b>Ontario Clean Energy Benefit †</b>			-\$ 14.43	-\$ 0.01	0.07%			-\$ 14.44	-\$ 0.01	0.07%			-\$ 14.63	-\$ 0.19	1.32%
<b>Total Bill on TOU (including OCEB)</b>			\$ 129.91	\$ 0.17	0.13%			\$ 129.98	\$ 0.07	0.05%			\$ 131.70	\$ 1.72	1.32%
<b>Total Bill on RPP (before Taxes)</b>			\$ 125.14	\$ 0.16	0.13%			\$ 125.21	\$ 0.07	0.06%			\$ 126.90	\$ 1.69	1.35%
HST	13%		\$ 16.27	\$ 0.02	0.13%	13%		\$ 16.28	\$ 0.01	0.06%	13%		\$ 16.50	\$ 0.22	1.35%
<b>Total Bill (including HST)</b>			\$ 141.40	\$ 0.18	0.13%			\$ 141.48	\$ 0.08	0.06%			\$ 143.39	\$ 1.91	1.35%
<b>Ontario Clean Energy Benefit †</b>			-\$ 14.14	-\$ 0.02	0.14%			-\$ 14.15	-\$ 0.01	0.07%			-\$ 14.34	-\$ 0.19	1.34%
<b>Total Bill on RPP (including OCEB)</b>			\$ 127.26	\$ 0.16	0.13%			\$ 127.33	\$ 0.07	0.05%			\$ 129.05	\$ 1.72	1.35%

Loss Factor (%) 3.93%

3.93%

3.93%

Distribution Excluding Rate Riders

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 23.3000	1	\$ 23.30	\$ 3.52	17.80%	\$ 26.9700	1	\$ 26.97	\$ 3.67	15.75%	\$ 27.6100	1	\$ 27.61	\$ 0.64
Distribution Volumetric Rate	\$ 0.0045	800	\$ 3.60	-\$ 3.36	-48.28%	\$ -	800	\$ -	-\$ 3.60	-100.00%	\$ -	800	\$ -	\$ -	
<b>"Regular" Distribution Only</b>			\$ 26.90	\$ 0.16	0.60%			\$ 26.97	\$ 0.07	0.26%			\$ 27.61	\$ 0.64	2.37%

**Appendix 2-W  
Bill Impacts**

Customer Class: **General Service Less Than 50 kW**

General Service Less Than 50 kW

TOU / non-TOU: **TOU**

Consumption:  2,000 kWh  May 1 - October 31  November 1 - April 30 (Select this radio button for applications filed after Oct 31)

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 25.8500	1	\$ 25.85	\$ 26.8400	1	\$ 26.84	\$ 0.99	3.83%	\$ 27.6000	1	\$ 27.60	\$ 0.76	2.83%
Smart Meter (SMIRR) Rate Rider	\$ 3.6500	1	\$ 3.65	\$ -	1	\$ -	-\$ 3.65	-100.00%	\$ -	1	\$ -	\$ -	-
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ 0.4300	1	\$ 0.43	\$ 0.43	100.00%	\$ -	1	\$ -	-\$ 0.43	-100.00%
Rate Rider Recovery of Stranded Meters (2016)	\$ -	1	\$ -	\$ 2.3400	1	\$ 2.34	\$ 2.34	100.00%	\$ 2.3400	1	\$ 2.34	\$ -	0.00%
		1	\$ -	\$ -	1	\$ -	\$ -	-	\$ -	1	\$ -	\$ -	-
		1	\$ -	\$ -	1	\$ -	\$ -	-	\$ -	1	\$ -	\$ -	-
Distribution Volumetric Rate	per kWh \$ 0.0106	2000	\$ 21.20	\$ 0.0109	2000	\$ 21.80	\$ 0.60	2.83%	\$ 0.0112	2000	\$ 22.40	\$ 0.60	2.75%
Rate Rider Tax Change (2015)	per kWh \$ -0.0001	2000	\$ -0.20	\$ -	2000	\$ -	\$ 0.20	-100.00%	\$ -	2000	\$ -	\$ -	-
LRAM VA (2016)	per kWh \$ -	2000	\$ -	\$ 0.0008	2000	\$ 1.60	\$ 1.60	100.00%	\$ -	2000	\$ -	-\$ 1.60	-100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	per kWh \$ -	2000	\$ -	\$ 0.0002	2000	\$ 0.40	\$ 0.40	100.00%	\$ -	2000	\$ -	-\$ 0.40	-100.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 50.50			\$ 53.41	\$ 2.91	5.76%			\$ 52.34	-\$ 1.07	-2.00%
Deferral/Variance Account Disposition Rate Rider (2016)	per kWh \$ -	2000	\$ -	-\$ 0.0005	2000	\$ -1.00	-\$ 1.00	100.00%	\$ -	2000	\$ -	\$ 1.00	-100.00%
Rate Rider CGAAP Account 1576 (2016)	per kWh \$ -	2000	\$ -	-\$ 0.0018	2000	\$ -3.60	-\$ 3.60	100.00%	-\$ 0.0018	2000	\$ -3.60	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kWh \$ 0.0156	0	\$ -	\$ -	2000	\$ -	\$ -	-	\$ -	2000	\$ -	\$ -	-
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kWh \$ -	2000	\$ -	\$ 0.0137	0	\$ -	\$ -	-	\$ -	2000	\$ -	\$ -	-
Low Voltage Service Charge	per kWh \$ 0.0006	2000	\$ 1.20	\$ 0.0011	2000	\$ 2.20	\$ 1.00	83.33%	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%
Line Losses on Cost of Power	per kWh \$ 0.0950	68.8	\$ 6.54	\$ 0.0950	78.6	\$ 7.47	\$ 0.93	14.24%	\$ 0.0950	78.6	\$ 7.47	\$ -	0.00%
Smart Meter Entity Charge	Monthly \$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	-	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 59.03			\$ 59.27	\$ 0.24	0.41%			\$ 59.20	-\$ 0.07	-0.12%
RTSR - Network	per kWh \$ 0.0060	2069	\$ 12.41	\$ 0.0063	2079	\$ 13.10	\$ 0.68	5.50%	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%
RTSR - Line and Transformation Connection	per kWh \$ 0.0046	2069	\$ 9.52	\$ 0.0051	2079	\$ 10.60	\$ 1.08	11.39%	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 80.96			\$ 82.96	\$ 2.01	2.48%			\$ 82.89	-\$ 0.07	-0.08%
Wholesale Market Service Charge (WMSC)	per kWh \$ 0.0044	2069	\$ 9.10	\$ 0.0044	2079	\$ 9.15	\$ 0.04	0.47%	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh \$ 0.0013	2069	\$ 2.69	\$ 0.0013	2079	\$ 2.70	\$ 0.01	0.47%	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%
Standard Supply Service Charge	Monthly \$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh \$ 0.0070	2000	\$ 14.00	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
TOU - Off Peak	per kWh \$ 0.0770	1280	\$ 98.56	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%
TOU - Mid Peak	per kWh \$ 0.1140	360	\$ 41.04	\$ 0.1140	360	\$ 41.04	\$ -	0.00%	\$ 0.1140	360	\$ 41.04	\$ -	0.00%
TOU - On Peak	per kWh \$ 0.1400	360	\$ 50.40	\$ 0.1400	360	\$ 50.40	\$ -	0.00%	\$ 0.1400	360	\$ 50.40	\$ -	0.00%
Energy - RPP - Tier 1	per kWh \$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	per kWh \$ 0.1030	1400	\$ 144.20	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 297.00			\$ 299.06	\$ 2.06	0.69%			\$ 298.99	-\$ 0.07	-0.02%
HST		13%	\$ 38.61		13%	\$ 38.88	\$ 0.27	0.69%		13%	\$ 38.87	-\$ 0.01	-0.02%
<b>Total Bill (including HST)</b>			\$ 335.61			\$ 337.94	\$ 2.33	0.69%			\$ 337.86	-\$ 0.08	-0.02%
Ontario Clean Energy Benefit			-\$ 33.56			-\$ 33.79	-\$ 0.23	0.69%			-\$ 33.79	\$ -	0.00%
<b>Total Bill on TOU (including OCEB)</b>			\$ 302.05			\$ 304.15	\$ 2.10	0.70%			\$ 304.07	-\$ 0.08	-0.03%
<b>Total Bill on RPP (before Taxes)</b>			\$ 251.20			\$ 253.26	\$ 2.06	0.82%			\$ 253.19	-\$ 0.07	-0.03%
HST		13%	\$ 32.66		13%	\$ 32.92	\$ 0.27	0.82%		13%	\$ 32.91	-\$ 0.01	-0.03%
<b>Total Bill (including HST)</b>			\$ 283.85			\$ 286.18	\$ 2.33	0.82%			\$ 286.11	-\$ 0.08	-0.03%
Ontario Clean Energy Benefit			-\$ 28.39			-\$ 28.62	-\$ 0.23	0.81%			-\$ 28.61	-\$ 0.01	-0.03%
<b>Total Bill on RPP (including OCEB)</b>			\$ 255.46			\$ 257.56	\$ 2.10	0.82%			\$ 257.50	-\$ 0.07	-0.03%

Loss Factor (%) **3.44%**

**3.93%**

**3.93%**

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 25.8500	1	\$ 25.85	\$ 26.8400	1	\$ 26.84	\$ 0.99	3.83%	\$ 27.6000	1	\$ 27.60	\$ 0.76	2.83%
Distribution Volumetric Rate	per kWh \$ 0.0106	2000	\$ 21.20	\$ 0.0109	2000	\$ 21.80	\$ 0.60	2.83%	\$ 0.0112	2000	\$ 22.40	\$ 0.60	2.75%
<b>"Regular" Distribution Only</b>			\$ 47.05			\$ 48.64	\$ 1.59	3.38%			\$ 50.00	\$ 1.36	2.80%

Customer Class:

General Service Less Than 50 kW

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 28.1600	1	\$ 28.16	\$ 0.56	2.03%	\$ 28.6000	1	\$ 28.60	\$ 0.44	1.56%	\$ 28.8300	1	\$ 28.83	\$ 0.23	0.80%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters (2016)	\$ 2.3400	1	\$ 2.34	\$ -	0.00%	\$ 2.3400	1	\$ 2.34	\$ -	0.00%	\$ 2.3400		\$ -	-\$ 2.34	-100.00%
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0116	2000	\$ 23.20	\$ 0.80	3.57%	\$ 0.0121	2000	\$ 24.20	\$ 1.00	4.31%	\$ 0.0125	2000	\$ 25.00	\$ 0.80	3.31%
Rate Rider Tax Change (2015)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
LRAM VA (2016)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 53.70	\$ 1.36	2.60%			\$ 55.14	\$ 1.44	2.68%			\$ 53.83	-\$ 1.31	-2.38%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.0018	2000	-\$ 3.60	\$ -	0.00%	-\$ 0.0018	2000	-\$ 3.60	\$ -	0.00%	-\$ 0.0018		\$ -	\$ 3.60	-100.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	78.6	\$ 7.47	\$ -	0.00%	\$ 0.0950	78.6	\$ 7.47	\$ -	0.00%	\$ 0.0950	78.6	\$ 7.47	\$ -	0.00%
Smart Meter Entity Charge	\$ 0.7900	1	\$ 0.79	\$ -	0.00%	\$ 0.7900	1	\$ 0.79	\$ -	0.00%	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 60.56	\$ 1.36	2.30%			\$ 62.00	\$ 1.44	2.38%			\$ 64.29	\$ 2.29	3.69%
RTSR - Network	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 84.25	\$ 1.36	1.64%			\$ 85.69	\$ 1.44	1.71%			\$ 87.98	\$ 2.29	2.67%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	360	\$ 41.04	\$ -	0.00%	\$ 0.1140	360	\$ 41.04	\$ -	0.00%	\$ 0.1140	360	\$ 41.04	\$ -	0.00%
TOU - On Peak	\$ 0.1400	360	\$ 50.40	\$ -	0.00%	\$ 0.1400	360	\$ 50.40	\$ -	0.00%	\$ 0.1400	360	\$ 50.40	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 300.35	\$ 1.36	0.45%			\$ 301.79	\$ 1.44	0.48%			\$ 304.08	\$ 2.29	0.76%
HST	13%		\$ 39.05	\$ 0.18	0.45%	13%		\$ 39.23	\$ 0.19	0.48%	13%		\$ 39.53	\$ 0.30	0.76%
<b>Total Bill (including HST)</b>			\$ 339.40	\$ 1.54	0.45%			\$ 341.02	\$ 1.63	0.48%			\$ 343.61	\$ 2.59	0.76%
Ontario Clean Energy Benefit <sup>†</sup>			-\$ 33.94	-\$ 0.15	0.44%			-\$ 34.10	-\$ 0.16	0.47%			-\$ 34.36	-\$ 0.26	0.76%
<b>Total Bill on TOU (including OCEB)</b>			\$ 305.46	\$ 1.39	0.46%			\$ 306.92	\$ 1.47	0.48%			\$ 309.25	\$ 2.33	0.76%
<b>Total Bill on RPP (before Taxes)</b>			\$ 254.55	\$ 1.36	0.54%			\$ 255.99	\$ 1.44	0.57%			\$ 258.28	\$ 2.29	0.89%
HST	13%		\$ 33.09	\$ 0.18	0.54%	13%		\$ 33.28	\$ 0.19	0.57%	13%		\$ 33.58	\$ 0.30	0.89%
<b>Total Bill (including HST)</b>			\$ 287.64	\$ 1.54	0.54%			\$ 289.27	\$ 1.63	0.57%			\$ 291.86	\$ 2.59	0.89%
Ontario Clean Energy Benefit <sup>†</sup>			-\$ 28.76	-\$ 0.15	0.52%			-\$ 28.93	-\$ 0.17	0.59%			-\$ 29.19	-\$ 0.26	0.90%
<b>Total Bill on RPP (including OCEB)</b>			\$ 258.88	\$ 1.39	0.54%			\$ 260.34	\$ 1.46	0.56%			\$ 262.67	\$ 2.33	0.89%

Loss Factor (%) 3.93%

3.93%

3.93%

Distribution Excluding Rate Riders

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 28.1600	1	\$ 28.16	\$ 0.56	2.03%	\$ 28.6000	1	\$ 28.60	\$ 0.44	1.56%	\$ 28.8300	1	\$ 28.83	\$ 0.23	0.80%
Distribution Volumetric Rate	\$ 0.0116	2000	\$ 23.20	\$ 0.80	3.57%	\$ 0.0121	2000	\$ 24.20	\$ 1.00	4.31%	\$ 0.0125	2000	\$ 25.00	\$ 0.80	3.31%
<b>"Regular" Distribution Only</b>			\$ 51.36	\$ 1.36	2.72%			\$ 52.80	\$ 1.44	2.80%			\$ 53.83	\$ 1.03	1.95%

**Appendix 2-W  
Bill Impacts**

Customer Class: **General Service 50 to 4,999 kW**

General Service 50 to 4,999 kW

TOU / non-TOU: **TOU**

Consumption Load: **40,000 kWh**  May 1 - October 31  November 1 - April 30 (Select this radio button for applications filed after Oct 31)

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 280.0900	1	\$ 280.09	\$ 314.2800	1	\$ 314.28	\$ 34.19	12.21%	\$ 322.9900	1	\$ 322.99	\$ 8.71	2.77%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider - Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 2.0063	60	\$ 120.38	\$ 2.0517	60	\$ 123.10	\$ 2.72	2.26%	\$ 2.1314	60	\$ 127.88	\$ 4.78	3.88%
Rate Rider Tax Change (2015)	\$ 0.0099	60	\$ 0.59	\$ -	60	\$ -	\$ 0.59	-100.00%	\$ -	60	\$ -	\$ -	
LRAM VA (2016)	\$ -	60	\$ -	\$ 0.0293	60	\$ 1.76	\$ 1.76	100.00%	\$ -	60	\$ -	\$ -1.76	-100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	60	\$ -	\$ 0.0380	60	\$ 2.28	\$ 2.28	100.00%	\$ -	60	\$ -	\$ -2.28	-100.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 399.87			\$ 441.42	\$ 41.55	10.39%			\$ 450.87	\$ 9.45	2.14%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	60	\$ -	\$ 0.7402	60	\$ 44.41	\$ 44.41	100.00%	\$ -	60	\$ -	\$ -44.41	-100.00%
Deferral/Variance Account Disposition Rate Rider (2016), excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -1.1043	60	\$ -66.26	\$ -66.26	100.00%	\$ -	60	\$ -	\$ 66.26	-100.00%
Rate Rider CGAAP Account 1576 (2016)	\$ -	60	\$ -	\$ -0.2807	60	\$ -16.84	\$ -16.84	100.00%	\$ -0.2807	60	\$ -16.84	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	\$ 5.7342		\$ -	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	\$ -	60	\$ -	\$ 4.9999		\$ -	\$ -		\$ -	60	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.2520	60	\$ 15.12	\$ 0.4669	60	\$ 28.01	\$ 12.89	85.28%	\$ 0.4669	60	\$ 28.01	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	1,376	\$ 130.72	\$ 0.0950	1572	\$ 149.34	\$ 18.62	14.24%	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%
Smart Meter Entropy Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 545.71			\$ 580.09	\$ 34.37	6.30%			\$ 611.39	\$ 31.30	5.40%
RTSR - Network	\$ 2.6313	60	\$ 157.88	\$ 2.7797	60	\$ 166.78	\$ 8.90	5.64%	\$ 2.7797	60	\$ 166.78	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 2.0128	60	\$ 120.77	\$ 2.2225	60	\$ 133.35	\$ 12.58	10.42%	\$ 2.2225	60	\$ 133.35	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 824.36			\$ 880.22	\$ 55.86	6.78%			\$ 911.52	\$ 31.30	3.56%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	41376	\$ 182.05	\$ 0.0044	41572	\$ 182.92	\$ 0.86	0.47%	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	41376	\$ 53.79	\$ 0.0013	41572	\$ 54.04	\$ 0.25	0.47%	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	40000	\$ 280.00	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	25600	\$ 1,971.20	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	7200	\$ 820.80	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%
TOU - On Peak	\$ 0.1400	7200	\$ 1,008.00	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	39400	\$ 4,058.20	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 5,140.45			\$ 5,197.43	\$ 56.98	1.11%			\$ 5,228.73	\$ 31.30	0.60%
HST	13%		\$ 668.26	13%		\$ 675.67	\$ 7.41	1.11%	13%		\$ 679.73	\$ 4.07	0.60%
<b>Total Bill (including HST)</b>			\$ 5,808.71			\$ 5,873.09	\$ 64.38	1.11%			\$ 5,908.46	\$ 35.37	0.60%
<i>Ontario Clean Energy Benefit</i>			\$ -			\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			\$ 5,808.71			\$ 5,873.09	\$ 64.38	1.11%			\$ 5,908.46	\$ 35.37	0.60%
<b>Total Bill on RPP (before Taxes)</b>			\$ 5,398.65			\$ 5,455.63	\$ 56.98	1.06%			\$ 5,486.93	\$ 31.30	0.57%
HST	13%		\$ 701.82	13%		\$ 709.23	\$ 7.41	1.06%	13%		\$ 713.30	\$ 4.07	0.57%
<b>Total Bill (including HST)</b>			\$ 6,100.48			\$ 6,164.86	\$ 64.38	1.06%			\$ 6,200.23	\$ 35.37	0.57%
<i>Ontario Clean Energy Benefit</i>			\$ -			\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			\$ 6,100.48			\$ 6,164.86	\$ 64.38	1.06%			\$ 6,200.23	\$ 35.37	0.57%

Loss Factor (%) **3.44%**

**3.93%**

**3.93%**

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 280.09	1	\$ 280.09	\$ 314.28	1	\$ 314.28	\$ 34.19	12.21%	\$ 322.99	1	\$ 322.99	\$ 8.71	2.77%
Distribution Volumetric Rate	\$ 2.0063	60	\$ 120.38	\$ 2.0517	60	\$ 123.10	\$ 2.72	2.26%	\$ 2.1314	60	\$ 127.88	\$ 4.78	3.88%
<b>"Regular" Distribution Only</b>			\$ 400.47			\$ 437.38	\$ 36.91	9.22%			\$ 450.87	\$ 13.49	3.08%

Customer Class:

General Service 50 to 4,999 kW

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 330.5400	1	\$ 330.54	\$ 7.55	2.34%	\$ 337.9000	1	\$ 337.90	\$ 7.36	2.23%	\$ 342.7500	1	\$ 342.75	\$ 4.85	1.44%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -	-	\$ -	1	\$ -	\$ -	-	\$ -	1	\$ -	\$ -	-
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -	-	\$ -	1	\$ -	\$ -	-	\$ -	1	\$ -	\$ -	-
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -	-	\$ -	1	\$ -	\$ -	-	\$ -	1	\$ -	\$ -	-
Distribution Volumetric Rate	\$ 2.2143	60	\$ 132.86	\$ 4.97	3.89%	\$ 2.2986	60	\$ 137.92	\$ 5.06	3.81%	\$ 2.3661	60	\$ 141.97	\$ 4.05	2.94%
Rate Rider Tax Change (2015)	\$ -	60	\$ -	\$ -	-	\$ -	60	\$ -	\$ -	-	\$ -	60	\$ -	\$ -	-
LRAM VA (2016)	\$ -	60	\$ -	\$ -	-	\$ -	60	\$ -	\$ -	-	\$ -	60	\$ -	\$ -	-
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	60	\$ -	\$ -	-	\$ -	60	\$ -	\$ -	-	\$ -	60	\$ -	\$ -	-
<b>Sub-Total A (excluding pass through)</b>			\$ 463.40	\$ 12.52	2.78%			\$ 475.82	\$ 12.42	2.68%			\$ 484.72	\$ 8.90	1.87%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	60	\$ -	\$ -	-	\$ -	60	\$ -	\$ -	-	\$ -	60	\$ -	\$ -	-
Deferral/Variance Account Disposition Rate Rider (2016), excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -	-	\$ -	60	\$ -	\$ -	-	\$ -	60	\$ -	\$ -	-
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.2807	60	-\$ 16.84	\$ -	0.00%	-\$ 0.2807	60	-\$ 16.84	\$ -	0.00%	-\$ 0.2807	60	-\$ -	\$ 16.84	-100.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -	-	\$ -	60	\$ -	\$ -	-	\$ -	60	\$ -	\$ -	-
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -	-	\$ -	60	\$ -	\$ -	-	\$ -	60	\$ -	\$ -	-
Low Voltage Service Charge	\$ 0.4669	60	\$ 28.01	\$ -	0.00%	\$ 0.4669	60	\$ 28.01	\$ -	0.00%	\$ 0.4669	60	\$ 28.01	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%
Smart Meter Entiry Charge	\$ -	1	\$ -	\$ -	-	\$ -	1	\$ -	\$ -	-	\$ -	1	\$ -	\$ -	-
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 623.91	\$ 12.52	2.05%			\$ 636.33	\$ 12.42	1.99%			\$ 662.07	\$ 25.74	4.05%
RTSR - Network	\$ 2.7797	60	\$ 166.78	\$ -	0.00%	\$ 2.7797	60	\$ 166.78	\$ -	0.00%	\$ 2.7797	60	\$ 166.78	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 2.2225	60	\$ 133.35	\$ -	0.00%	\$ 2.2225	60	\$ 133.35	\$ -	0.00%	\$ 2.2225	60	\$ 133.35	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 924.04	\$ 12.52	1.37%			\$ 936.46	\$ 12.42	1.34%			\$ 962.20	\$ 25.74	2.75%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%
TOU - On Peak	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 5,241.25	\$ 12.52	0.24%			\$ 5,253.67	\$ 12.42	0.24%			\$ 5,279.41	\$ 25.74	0.49%
HST	13%		\$ 681.36	\$ 1.63	0.24%	13%		\$ 682.98	\$ 1.61	0.24%	13%		\$ 686.32	\$ 3.35	0.49%
<b>Total Bill (including HST)</b>			\$ 5,922.62	\$ 14.15	0.24%			\$ 5,936.65	\$ 14.03	0.24%			\$ 5,965.74	\$ 29.09	0.49%
Ontario Clean Energy Benefit <sup>1</sup>			\$ -	\$ -	-			\$ -	\$ -	-			\$ -	\$ -	-
<b>Total Bill on TOU (including OCEB)</b>			\$ 5,922.62	\$ 14.15	0.24%			\$ 5,936.65	\$ 14.03	0.24%			\$ 5,965.74	\$ 29.09	0.49%
<b>Total Bill on RPP (before Taxes)</b>			\$ 5,499.45	\$ 12.52	0.23%			\$ 5,511.87	\$ 12.42	0.23%			\$ 5,537.61	\$ 25.74	0.47%
HST	13%		\$ 714.93	\$ 1.63	0.23%	13%		\$ 716.54	\$ 1.61	0.23%	13%		\$ 719.89	\$ 3.35	0.47%
<b>Total Bill (including HST)</b>			\$ 6,214.38	\$ 14.15	0.23%			\$ 6,228.41	\$ 14.03	0.23%			\$ 6,257.50	\$ 29.09	0.47%
Ontario Clean Energy Benefit <sup>1</sup>			\$ -	\$ -	-			\$ -	\$ -	-			\$ -	\$ -	-
<b>Total Bill on RPP (including OCEB)</b>			\$ 6,214.38	\$ 14.15	0.23%			\$ 6,228.41	\$ 14.03	0.23%			\$ 6,257.50	\$ 29.09	0.47%
Loss Factor (%)	3.93%			3.93%			3.93%			3.93%			3.93%		
Distribution Excluding Rate Riders	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2019 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 330.54	1	\$ 330.54	\$ 7.55	2.34%	\$ 337.9000	1	\$ 337.90	\$ 7.36	2.23%	\$ 342.7500	1	\$ 342.75	\$ 4.85	1.44%
Distribution Volumetric Rate	\$ 2.2143	60	\$ 132.86	\$ 4.97	3.89%	\$ 2.2986	60	\$ 137.92	\$ 5.06	3.81%	\$ 2.3661	60	\$ 141.97	\$ 4.05	2.94%
<b>"Regular" Distribution Only</b>			\$ 463.40	\$ 12.52	2.78%			\$ 475.82	\$ 12.42	2.68%			\$ 484.72	\$ 8.90	1.87%

**Appendix 2-W  
Bill Impacts**

Customer Class: **Large Use**  
TOU / non-TOU: **TOU**

Large Use

Consumption Load:  5,000,000 kWh (May 1 - October 31)  8,000 kW (November 1 - April 30 (Select this radio button for applications filed after Oct 31))

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 5,164.00	1	\$ 5,164.00	\$ 5,734.00	1	\$ 5,734.00	\$ 570.00	11.04%	\$ 5,880.00	1	\$ 5,880.00	\$ 146.00
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 1.0535	8,000	\$ 8,428.00	\$ 1.1818	8,000	\$ 9,454.40	\$ 1,026.40	12.18%	\$ 1.2250	8,000	\$ 9,800.00	\$ 345.60	3.66%
Rate Rider Tax Change (2015)	-\$ 0.0045	8,000	-\$ 36.00	\$ -	8,000	\$ -	\$ 36.00	-100.00%	\$ -	8,000	\$ -	\$ -	
LRAM VA (2016)	\$ -	8,000	\$ -	\$ 0.0277	8,000	\$ 221.60	\$ 221.60		\$ -	8,000	\$ -	-\$ 221.60	-100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	8,000	\$ -	\$ 0.0182	8,000	\$ 145.60	\$ 145.60		\$ -	8,000	\$ -	-\$ 145.60	-100.00%
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 13,556.00</b>			<b>\$ 15,555.60</b>	<b>\$ 1,999.60</b>	<b>14.75%</b>			<b>\$ 15,680.00</b>	<b>\$ 124.40</b>	<b>0.80%</b>
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	8,000	\$ -	-\$ 0.5530	8,000	-\$ 4,424.00	-\$ 4,424.00		\$ -	8,000	\$ -	\$ 4,424.00	-100.00%
Rate Rider CGAAP Account 1576 (2016)	\$ -	8,000	\$ -	-\$ 0.1341	8,000	-\$ 1,072.80	-\$ 1,072.80		-\$ 0.1341	8,000	-\$ 1,072.80	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ -	8,000	\$ -	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	8,000	\$ -	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.3036	8,000	\$ 2,428.80	\$ 0.5625	8,000	\$ 4,500.00	\$ 2,071.20	85.28%	\$ 0.5625	8,000	\$ 4,500.00	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	90,000	\$ 8,550.00	\$ 0.0950	94,000	\$ 8,930.00	\$ 380.00	4.44%	\$ 0.0950	94,000	\$ 8,930.00	\$ -	0.00%
Smart Meter Entity Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 24,534.80</b>			<b>\$ 23,488.80</b>	<b>-\$ 1,046.00</b>	<b>-4.26%</b>			<b>\$ 28,037.20</b>	<b>\$ 4,548.40</b>	<b>19.36%</b>
RTSR - Network	\$ 3.1704	8,000	\$ 25,363.20	\$ 3.3492	8,000	\$ 26,793.60	\$ 1,430.40	5.64%	\$ 3.3492	8,000	\$ 26,793.60	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 2.4253	8,000	\$ 19,402.40	\$ 2.6780	8,000	\$ 21,424.00	\$ 2,021.60	10.42%	\$ 2.6780	8,000	\$ 21,424.00	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 69,300.40</b>			<b>\$ 71,706.40</b>	<b>\$ 2,406.00</b>	<b>3.47%</b>			<b>\$ 76,254.80</b>	<b>\$ 4,548.40</b>	<b>6.34%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0044	5090000	\$ 22,396.00	\$ 0.0044	5094000	\$ 22,413.60	\$ 17.60	0.08%	\$ 0.0044	5094000	\$ 22,413.60	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	5090000	\$ 6,617.00	\$ 0.0013	5094000	\$ 6,622.20	\$ 5.20	0.08%	\$ 0.0013	5094000	\$ 6,622.20	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	5000000	\$ 35,000.00	\$ 0.0070	5000000	\$ 35,000.00	\$ -	0.00%	\$ 0.0070	5000000	\$ 35,000.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	3200000	\$ 246,400.00	\$ 0.0770	3200000	\$ 246,400.00	\$ -	0.00%	\$ 0.0770	3200000	\$ 246,400.00	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	900000	\$ 102,600.00	\$ 0.1140	900000	\$ 102,600.00	\$ -	0.00%	\$ 0.1140	900000	\$ 102,600.00	\$ -	0.00%
TOU - On Peak	\$ 0.1400	900000	\$ 126,000.00	\$ 0.1400	900000	\$ 126,000.00	\$ -	0.00%	\$ 0.1400	900000	\$ 126,000.00	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	4999400	\$ 514,938.20	\$ 0.1030	4999400	\$ 514,938.20	\$ -	0.00%	\$ 0.1030	4999400	\$ 514,938.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$608,313.65</b>			<b>\$610,742.45</b>	<b>\$ 2,428.80</b>	<b>0.40%</b>			<b>\$615,290.85</b>	<b>\$ 4,548.40</b>	<b>0.74%</b>
HST	13%		\$ 79,080.77	13%		\$ 79,396.52	\$ 315.74	0.40%	13%		\$ 79,987.81	\$ 591.29	0.74%
<b>Total Bill (including HST)</b>			<b>\$687,394.42</b>			<b>\$690,138.97</b>	<b>\$ 2,744.54</b>	<b>0.40%</b>			<b>\$695,278.66</b>	<b>\$ 5,139.69</b>	<b>0.74%</b>
Ontario Clean Energy Benefit <sup>†</sup>			\$ -			\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			<b>\$687,394.42</b>			<b>\$690,138.97</b>	<b>\$ 2,744.54</b>	<b>0.40%</b>			<b>\$695,278.66</b>	<b>\$ 5,139.69</b>	<b>0.74%</b>
<b>Total Bill on RPP (before Taxes)</b>			<b>\$648,251.85</b>			<b>\$650,680.65</b>	<b>\$ 2,428.80</b>	<b>0.37%</b>			<b>\$655,229.05</b>	<b>\$ 4,548.40</b>	<b>0.70%</b>
HST	13%		\$ 84,272.74	13%		\$ 84,588.48	\$ 315.74	0.37%	13%		\$ 85,179.78	\$ 591.29	0.70%
<b>Total Bill (including HST)</b>			<b>\$732,524.59</b>			<b>\$735,269.13</b>	<b>\$ 2,744.54</b>	<b>0.37%</b>			<b>\$740,408.83</b>	<b>\$ 5,139.69</b>	<b>0.70%</b>
Ontario Clean Energy Benefit <sup>†</sup>			\$ -			\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			<b>\$732,524.59</b>			<b>\$735,269.13</b>	<b>\$ 2,744.54</b>	<b>0.37%</b>			<b>\$740,408.83</b>	<b>\$ 5,139.69</b>	<b>0.70%</b>

Loss Factor (%) **1.80%**

**1.88%**

**1.88%**

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 5,164.00	1	\$ 5,164.00	\$ 5,734.00	1	\$ 5,734.00	\$ 570.00	11.04%	\$ 5,880.00	1	\$ 5,880.00	\$ 146.00
Distribution Volumetric Rate	\$ 1.0535	8,000	\$ 8,428.00	\$ 1.1818	8,000	\$ 9,454.40	\$ 1,026.40	12.18%	\$ 1.2250	8,000	\$ 9,800.00	\$ 345.60	3.66%
<b>"Regular" Distribution Only</b>			<b>\$ 13,592.00</b>			<b>\$ 15,188.40</b>	<b>\$ 1,596.40</b>	<b>11.75%</b>			<b>\$ 15,680.00</b>	<b>\$ 491.60</b>	<b>3.24%</b>



Customer Class:

Large Use

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6,076.00	1	\$ 6,076.00	\$ 196.00	3.33%	\$ 6,275.85	1	\$ 6,275.85	\$ 199.85	3.29%	\$ 6,430.75	1	\$ 6,430.75	\$ 154.90	2.47%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
		1	\$ -	\$ -			1	\$ -	\$ -			1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 1.2597	8,000	\$ 10,077.60	\$ 277.60	2.83%	\$ 1.2938	8,000	\$ 10,350.40	\$ 272.80	2.71%	\$ 1.3187	8,000	\$ 10,549.60	\$ 199.20	1.92%
Rate Rider Tax Change (2015)	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
LRAM VA (2016)	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 16,153.60	\$ 473.60	3.02%			\$ 16,626.25	\$ 472.65	2.93%			\$ 16,980.35	\$ 354.10	2.13%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.1341	8,000	-\$ 1,072.80	\$ -	0.00%	-\$ 0.1341	8,000	-\$ 1,072.80	\$ -	0.00%	-\$ 0.1341	8,000	-\$ 1,072.80	\$ -	-100.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers		8,000	\$ -	\$ -			8,000	\$ -	\$ -			8,000	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers		8,000	\$ -	\$ -			8,000	\$ -	\$ -			8,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.5625	8,000	\$ 4,500.00	\$ -	0.00%	\$ 0.5625	8,000	\$ 4,500.00	\$ -	0.00%	\$ 0.5625	8,000	\$ 4,500.00	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	94000	\$ 8,930.00	\$ -	0.00%	\$ 0.0950	94000	\$ 8,930.00	\$ -	0.00%	\$ 0.0950	94000	\$ 8,930.00	\$ -	0.00%
Smart Meter Entity Charge	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 28,510.80	\$ 473.60	1.69%			\$ 28,983.45	\$ 472.65	1.66%			\$ 30,410.35	\$ 1,426.90	4.92%
RTSR - Network	\$ 3.3492	8000	\$ 26,793.60	\$ -	0.00%	\$ 3.3492	8000	\$ 26,793.60	\$ -	0.00%	\$ 3.3492	8000	\$ 26,793.60	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 2.6780	8000	\$ 21,424.00	\$ -	0.00%	\$ 2.6780	8000	\$ 21,424.00	\$ -	0.00%	\$ 2.6780	8000	\$ 21,424.00	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 76,728.40	\$ 473.60	0.62%			\$ 77,201.05	\$ 472.65	0.62%			\$ 78,627.95	\$ 1,426.90	1.85%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	5094000	\$ 22,413.60	\$ -	0.00%	\$ 0.0044	5094000	\$ 22,413.60	\$ -	0.00%	\$ 0.0044	5094000	\$ 22,413.60	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	5094000	\$ 6,622.20	\$ -	0.00%	\$ 0.0013	5094000	\$ 6,622.20	\$ -	0.00%	\$ 0.0013	5094000	\$ 6,622.20	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	5000000	\$ 35,000.00	\$ -	0.00%	\$ 0.0070	5000000	\$ 35,000.00	\$ -	0.00%	\$ 0.0070	5000000	\$ 35,000.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	3200000	\$ 246,400.00	\$ -	0.00%	\$ 0.0770	3200000	\$ 246,400.00	\$ -	0.00%	\$ 0.0770	3200000	\$ 246,400.00	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	900000	\$ 102,600.00	\$ -	0.00%	\$ 0.1140	900000	\$ 102,600.00	\$ -	0.00%	\$ 0.1140	900000	\$ 102,600.00	\$ -	0.00%
TOU - On Peak	\$ 0.1400	900000	\$ 126,000.00	\$ -	0.00%	\$ 0.1400	900000	\$ 126,000.00	\$ -	0.00%	\$ 0.1400	900000	\$ 126,000.00	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	4999400	\$ 514,938.20	\$ -	0.00%	\$ 0.1030	4999400	\$ 514,938.20	\$ -	0.00%	\$ 0.1030	4999400	\$ 514,938.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 615,764.45	\$ 473.60	0.08%			\$ 616,237.10	\$ 472.65	0.08%			\$ 617,664.00	\$ 1,426.90	0.23%
HST	13%		\$ 80,049.38	\$ 61.57	0.08%	13%		\$ 80,110.82	\$ 61.44	0.08%	13%		\$ 80,296.32	\$ 185.50	0.23%
<b>Total Bill (including HST)</b>			\$ 695,813.83	\$ 535.17	0.08%			\$ 696,347.92	\$ 534.09	0.08%			\$ 697,960.32	\$ 1,612.40	0.23%
Ontario Clean Energy Benefit <sup>1</sup>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			\$ 695,813.83	\$ 535.17	0.08%			\$ 696,347.92	\$ 534.09	0.08%			\$ 697,960.32	\$ 1,612.40	0.23%
<b>Total Bill on RPP (before Taxes)</b>			\$ 655,702.65	\$ 473.60	0.07%			\$ 656,175.30	\$ 472.65	0.07%			\$ 657,602.20	\$ 1,426.90	0.22%
HST	13%		\$ 85,241.34	\$ 61.57	0.07%	13%		\$ 85,302.79	\$ 61.44	0.07%	13%		\$ 85,488.29	\$ 185.50	0.22%
<b>Total Bill (including HST)</b>			\$ 740,943.99	\$ 535.17	0.07%			\$ 741,478.09	\$ 534.09	0.07%			\$ 743,090.49	\$ 1,612.40	0.22%
Ontario Clean Energy Benefit <sup>1</sup>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			\$ 740,943.99	\$ 535.17	0.07%			\$ 741,478.09	\$ 534.09	0.07%			\$ 743,090.49	\$ 1,612.40	0.22%

Loss Factor (%)

1.88%

1.88%

1.88%

Distribution Excluding Rate Riders

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2019 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6,076.00	1	\$ 6,076.00	\$ 196.00	3.33%	\$ 6,275.85	1	\$ 6,275.85	\$ 199.85	3.29%	\$ 6,430.75	1	\$ 6,430.75	\$ 154.90	2.47%
Distribution Volumetric Rate	\$ 1.2597	8,000	\$ 10,077.60	\$ 277.60	2.83%	\$ 1.2938	8,000	\$ 10,350.40	\$ 272.80	2.71%	\$ 1.3187	8,000	\$ 10,549.60	\$ 199.20	1.92%
<b>"Regular" Distribution Only</b>			\$ 16,153.60	\$ 473.60	3.02%			\$ 16,626.25	\$ 472.65	2.93%			\$ 16,980.35	\$ 354.10	2.13%

**Appendix 2-W  
Bill Impacts**

**Customer Class: Unmetered Scattered Load** **Unmetered Scattered Load**

**TOU / non-TOU: TOU**

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

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 11.5500	1	\$ 11.55	\$ 6.1500	1	\$ 6.15	-\$ 5.40	-46.75%	\$ 6.3500	1	\$ 6.35	\$ 0.20
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh \$ 0.0141	750	\$ 10.58	per kWh \$ 0.0122	750	\$ 9.15	-\$ 1.43	-13.48%	per kWh \$ 0.0127	750	\$ 9.53	\$ 0.38	4.10%
Rate Rider Tax Change (2015)	per kWh \$ 0.0001	750	\$ 0.08	per kWh \$ -	750	\$ -	\$ 0.08	100.00%	per kWh \$ -	750	\$ -	\$ -	
LRAM VA (2016)	per kWh \$ -	750	\$ -	per kWh \$ -	750	\$ -	\$ -		per kWh \$ -	750	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	per kWh \$ -	750	\$ -	per kWh \$ 0.0002	750	\$ 0.15	\$ 0.15		per kWh \$ -	750	\$ -	-\$ 0.15	-100.00%
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
		750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 22.05			\$ 15.45	-\$ 6.60	-29.93%			\$ 15.88	\$ 0.42	2.75%
Deferral/Variance Account Disposition Rate Rider (2016)	per kWh \$ -	750	\$ -	per kWh \$ 0.0005	750	\$ 0.38	\$ 0.38		per kWh \$ -	750	\$ -	-\$ 0.38	-100.00%
Rate Rider CGAAP Account 1576 (2016)	per kWh \$ -	750	\$ -	per kWh \$ 0.0017	750	\$ 1.28	-\$ 1.28		per kWh \$ 0.0017	750	\$ 1.28	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kWh \$ 0.0156	0	\$ -	per kWh \$ -	750	\$ -	\$ -		per kWh \$ -	750	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kWh \$ -	750	\$ -	per kWh \$ 0.0137	0	\$ -	\$ -		per kWh \$ -	750	\$ -	\$ -	
Low Voltage Service Charge	per kWh \$ 0.0007	750	\$ 0.53	per kWh \$ 0.0012	750	\$ 0.90	\$ 0.38	71.43%	per kWh \$ 0.0012	750	\$ 0.90	\$ -	0.00%
Line Losses on Cost of Power	per kWh \$ 0.0950	25.8	\$ 2.45	per kWh \$ 0.0950	29.475	\$ 2.80	\$ 0.35	14.24%	per kWh \$ 0.0950	29.475	\$ 2.80	\$ -	0.00%
Smart Meter Entity Charge	Monthly \$ -	1	\$ -	Monthly \$ -	1	\$ -	\$ -		Monthly \$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 25.03			\$ 18.25	-\$ 6.78	-27.08%			\$ 18.30	\$ 0.05	0.27%
RTSR - Network	per kWh \$ 0.0067	776	\$ 5.20	per kWh \$ 0.0071	779	\$ 5.53	\$ 0.34	6.47%	per kWh \$ 0.0071	779	\$ 5.53	\$ -	0.00%
RTSR - Line and Transformation Connection	per kWh \$ 0.0051	776	\$ 3.96	per kWh \$ 0.0056	779	\$ 4.37	\$ 0.41	10.32%	per kWh \$ 0.0056	779	\$ 4.37	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 34.18			\$ 28.15	-\$ 6.03	-17.64%			\$ 28.20	\$ 0.05	0.18%
Wholesale Market Service Charge (WMSC)	per kWh \$ 0.0044	776	\$ 3.41	per kWh \$ 0.0044	779	\$ 3.43	\$ 0.02	0.47%	per kWh \$ 0.0044	779	\$ 3.43	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh \$ 0.0013	776	\$ 1.01	per kWh \$ 0.0013	779	\$ 1.01	\$ 0.00	0.47%	per kWh \$ 0.0013	779	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	Monthly \$ 2.5000	1	\$ 2.50	Monthly \$ 2.5000	1	\$ 2.50	\$ -	0.00%	Monthly \$ 2.5000	1	\$ 2.50	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh \$ 0.0070	750	\$ 5.25	per kWh \$ 0.0070	750	\$ 5.25	\$ -	0.00%	per kWh \$ 0.0070	750	\$ 5.25	\$ -	0.00%
TOU - Off Peak	per kWh \$ 0.0770	480	\$ 36.96	per kWh \$ 0.0770	480	\$ 36.96	\$ -	0.00%	per kWh \$ 0.0770	480	\$ 36.96	\$ -	0.00%
TOU - Mid Peak	per kWh \$ 0.1140	135	\$ 15.39	per kWh \$ 0.1140	135	\$ 15.39	\$ -	0.00%	per kWh \$ 0.1140	135	\$ 15.39	\$ -	0.00%
TOU - On Peak	per kWh \$ 0.1400	135	\$ 18.90	per kWh \$ 0.1400	135	\$ 18.90	\$ -	0.00%	per kWh \$ 0.1400	135	\$ 18.90	\$ -	0.00%
Energy - RPP - Tier 1	per kWh \$ 0.0880	600	\$ 52.80	per kWh \$ 0.0880	600	\$ 52.80	\$ -	0.00%	per kWh \$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	per kWh \$ 0.1030	150	\$ 15.45	per kWh \$ 0.1030	150	\$ 15.45	\$ -	0.00%	per kWh \$ 0.1030	150	\$ 15.45	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 115.35			\$ 109.34	-\$ 6.01	-5.21%			\$ 109.39	\$ 0.05	0.05%
HST	13%		\$ 15.00	13%		\$ 14.21	-\$ 0.78	-5.21%	13%		\$ 14.22	\$ 0.01	0.05%
<b>Total Bill (including HST)</b>			\$ 130.35			\$ 123.56	-\$ 6.79	-5.21%			\$ 123.61	\$ 0.06	0.05%
<b>Ontario Clean Energy Benefit</b> †			-\$ 13.03			\$ -	\$ 13.03	100.00%			\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			\$ 117.32			\$ 123.56	\$ 6.24	5.32%			\$ 123.61	\$ 0.06	0.05%
<b>Total Bill on RPP (before Taxes)</b>			\$ 112.35			\$ 106.34	-\$ 6.01	-5.35%			\$ 106.39	\$ 0.05	0.05%
HST	13%		\$ 14.61	13%		\$ 13.82	-\$ 0.78	-5.35%	13%		\$ 13.83	\$ 0.01	0.05%
<b>Total Bill (including HST)</b>			\$ 126.96			\$ 120.17	-\$ 6.79	-5.35%			\$ 120.22	\$ 0.06	0.05%
<b>Ontario Clean Energy Benefit</b> †			-\$ 12.70			\$ -	\$ 12.70	100.00%			\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			\$ 114.26			\$ 120.17	\$ 5.91	5.17%			\$ 120.22	\$ 0.06	0.05%

Loss Factor (%)

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 11.5500	1	\$ 11.55	\$ 6.1500	1	\$ 6.15	-\$ 5.40	-46.75%	\$ 6.3500	1	\$ 6.35	\$ 0.20
Distribution Volumetric Rate	per kWh \$ 0.0141	750	\$ 10.58	per kWh \$ 0.0122	750	\$ 9.15	-\$ 1.43	-13.48%	per kWh \$ 0.0127	750	\$ 9.53	\$ 0.38	4.10%
<b>"Regular" Distribution Only</b>			\$ 22.13			\$ 15.30	-\$ 6.83	-30.85%			\$ 15.88	\$ 0.57	3.76%

Customer Class:

Unmetered Scattered Load

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6.5600	1	\$ 6.56	\$ 0.21	3.31%	\$ 6.7300	1	\$ 6.73	\$ 0.17	2.59%	\$ 6.8500	1	\$ 6.85	\$ 0.12	1.78%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0130	750	\$ 9.75	\$ 0.23	2.36%	\$ 0.0133	750	\$ 9.98	\$ 0.23	2.31%	\$ 0.0136	750	\$ 10.20	\$ 0.23	2.26%
Rate Rider Tax Change (2015)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
LRAM VA (2016)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 16.31	\$ 0.43	2.74%			\$ 16.71	\$ 0.40	2.42%			\$ 17.05	\$ 0.34	2.07%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.0017	750	-\$ 1.28	\$ -	0.00%	-\$ 0.0017	750	-\$ 1.28	\$ -	0.00%	-\$ 0.0017	750	\$ -	\$ 1.28	-100.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0012	750	\$ 0.90	\$ -	0.00%	\$ 0.0012	750	\$ 0.90	\$ -	0.00%	\$ 0.0012	750	\$ 0.90	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%
Smart Meter Entry Charge	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 18.74	\$ 0.43	2.38%			\$ 19.13	\$ 0.40	2.11%			\$ 20.75	\$ 1.62	8.47%
RTSR - Network	\$ 0.0071	779	\$ 5.53	\$ -	0.00%	\$ 0.0071	779	\$ 5.53	\$ -	0.00%	\$ 0.0071	779	\$ 5.53	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 0.0056	779	\$ 4.37	\$ -	0.00%	\$ 0.0056	779	\$ 4.37	\$ -	0.00%	\$ 0.0056	779	\$ 4.37	\$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)			\$ 28.63	\$ 0.43	1.54%			\$ 29.03	\$ 0.40	1.38%			\$ 30.65	\$ 1.62	5.58%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	779	\$ 3.43	\$ -	0.00%	\$ 0.0044	779	\$ 3.43	\$ -	0.00%	\$ 0.0044	779	\$ 3.43	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	779	\$ 1.01	\$ -	0.00%	\$ 0.0013	779	\$ 1.01	\$ -	0.00%	\$ 0.0013	779	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	750	\$ 5.25	\$ -	0.00%	\$ 0.0070	750	\$ 5.25	\$ -	0.00%	\$ 0.0070	750	\$ 5.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	480	\$ 36.96	\$ -	0.00%	\$ 0.0770	480	\$ 36.96	\$ -	0.00%	\$ 0.0770	480	\$ 36.96	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	135	\$ 15.39	\$ -	0.00%	\$ 0.1140	135	\$ 15.39	\$ -	0.00%	\$ 0.1140	135	\$ 15.39	\$ -	0.00%
TOU - On Peak	\$ 0.1400	135	\$ 18.90	\$ -	0.00%	\$ 0.1400	135	\$ 18.90	\$ -	0.00%	\$ 0.1400	135	\$ 18.90	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	150	\$ 15.45	\$ -	0.00%	\$ 0.1030	150	\$ 15.45	\$ -	0.00%	\$ 0.1030	150	\$ 15.45	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 109.83	\$ 0.43	0.40%			\$ 110.22	\$ 0.40	0.36%			\$ 111.84	\$ 1.62	1.47%
HST	13%		\$ 14.28	\$ 0.06	0.40%	13%		\$ 14.33	\$ 0.05	0.36%	13%		\$ 14.54	\$ 0.21	1.47%
Total Bill (including HST)			\$ 124.11	\$ 0.49	0.40%			\$ 124.55	\$ 0.45	0.36%			\$ 126.38	\$ 1.83	1.47%
Ontario Clean Energy Benefit <sup>†</sup>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
Total Bill on TOU (including OCEB)			\$ 124.11	\$ 0.49	0.40%			\$ 124.55	\$ 0.45	0.36%			\$ 126.38	\$ 1.83	1.47%
Total Bill on RPP (before Taxes)			\$ 106.83	\$ 0.44	0.41%			\$ 107.22	\$ 0.39	0.37%			\$ 108.84	\$ 1.62	1.51%
HST	13%		\$ 13.89	\$ 0.06	0.41%	13%		\$ 13.94	\$ 0.05	0.37%	13%		\$ 14.15	\$ 0.21	1.51%
Total Bill (including HST)			\$ 120.72	\$ 0.49	0.41%			\$ 121.16	\$ 0.45	0.37%			\$ 122.99	\$ 1.83	1.51%
Ontario Clean Energy Benefit <sup>†</sup>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
Total Bill on RPP (including OCEB)			\$ 120.72	\$ 0.49	0.41%			\$ 121.16	\$ 0.45	0.37%			\$ 122.99	\$ 1.83	1.51%
Loss Factor (%)	3.93%			3.93%		3.93%			3.93%		3.93%			3.93%	
Distribution Excluding Rate Riders	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6.5600	1	\$ 6.56	\$ 0.21	3.31%	\$ 6.7300	1	\$ 6.73	\$ 0.17	2.59%	\$ 6.8500	1	\$ 6.85	\$ 0.12	1.78%
Distribution Volumetric Rate	\$ 0.0130	750	\$ 9.75	\$ 0.23	2.36%	\$ 0.0133	750	\$ 9.98	\$ 0.23	2.31%	\$ 0.0136	750	\$ 10.20	\$ 0.23	2.26%
"Regular" Distribution Only			\$ 16.31	\$ 0.43	2.74%			\$ 16.71	\$ 0.40	2.42%			\$ 17.05	\$ 0.34	2.07%





Response to the Ontario Energy Board  
Staff Interrogatory 9-Staff-89

Attachment 5

**Appendix 2-W  
Bill Impacts**

Customer Class: Residential

Residential

TOU / non-TOU: TOU

Consumption: 800 kWh

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 12.5600	1	\$ 12.56	\$ 16.4000	1	\$ 16.40	\$ 3.84	30.57%	\$ 19.7800	1	\$ 19.78	\$ 3.38	20.61%
Smart Meter (SMIRR) Rate Rider	\$ 2.6300	1	\$ 2.63	\$ -	1	\$ -	-\$ 2.63	-100.00%	\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ 0.25	1	\$ 0.25	\$ 0.25		\$ -	1	\$ -	-\$ 0.25	-100.00%
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ 1.08	1	\$ 1.08	\$ 1.08		\$ 1.08	1	\$ 1.08	\$ -	0.00%
Distribution Volumetric Rate	\$ 0.0154	800	\$ 12.32	\$ 0.0126	800	\$ 10.08	-\$ 2.24	-18.18%	\$ 0.0087	800	\$ 6.96	-\$ 3.12	-30.95%
Rate Rider Tax Change (2015)	-\$ 0.0001	800	\$ 0.08	\$ -	800	\$ -	\$ 0.08	-100.00%	\$ -	800	\$ -	\$ -	
LRAM VA (2016)	\$ -	800	\$ -	\$ 0.0003	800	\$ 0.24	\$ 0.24		\$ -	800	\$ -	-\$ 0.24	-100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	800	\$ -	\$ 0.0004	800	\$ 0.32	\$ 0.32		\$ -	800	\$ -	-\$ 0.32	-100.00%
	\$ -	-	\$ -	\$ -	-	\$ -	\$ -		\$ -	-	\$ -	\$ -	
	\$ -	800	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
	\$ -	800	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
	\$ -	800	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
	\$ -	800	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
	\$ -	800	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 27.43			\$ 28.37	\$ 0.94	3.43%			\$ 27.82	-\$ 0.55	-1.94%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	800	\$ -	\$ 0.0010	800	\$ 0.80	\$ 0.80		\$ -	800	\$ -	-\$ 0.80	-100.00%
Rate Rider CGAAP Account 1576 (2016)	\$ -	800	\$ -	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ 0.0156	0	\$ -	\$ -	800	\$ -	-\$ 1.92		-\$ 0.0024	800	\$ 1.92	\$ -	0.00%
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	800	\$ -	\$ 0.0137	0	\$ -	\$ -		\$ -	800	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0007	800	\$ 0.56	\$ 0.0012	800	\$ 0.96	\$ 0.40	71.43%	\$ 0.0012	800	\$ 0.96	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	27.52	\$ 2.61	\$ 0.0950	31.44	\$ 2.99	\$ 0.37	14.24%	\$ 0.0950	31.44	\$ 2.99	\$ -	0.00%
Smart Meter Entropy Charge	\$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -		\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 31.39			\$ 31.99	\$ 0.59	1.89%			\$ 30.64	-\$ 1.35	-4.22%
RTSR - Network	\$ 0.0067	828	\$ 5.54	\$ 0.0071	831	\$ 5.90	\$ 0.36	6.47%	\$ 0.0071	831	\$ 5.90	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 0.0051	828	\$ 4.22	\$ 0.0056	831	\$ 4.66	\$ 0.44	10.32%	\$ 0.0056	831	\$ 4.66	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 41.16			\$ 42.55	\$ 1.39	3.37%			\$ 41.20	-\$ 1.35	-3.17%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	828	\$ 3.64	\$ 0.0044	831	\$ 3.66	\$ 0.02	0.47%	\$ 0.0044	831	\$ 3.66	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	828	\$ 1.08	\$ 0.0013	831	\$ 1.08	\$ 0.01	0.47%	\$ 0.0013	831	\$ 1.08	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	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%
TOU - Off Peak	\$ 0.0770	512	\$ 39.42	\$ 0.0770	512	\$ 39.42	\$ -	0.00%	\$ 0.0770	512	\$ 39.42	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	144	\$ 16.42	\$ 0.1140	144	\$ 16.42	\$ -	0.00%	\$ 0.1140	144	\$ 16.42	\$ -	0.00%
TOU - On Peak	\$ 0.1400	144	\$ 20.16	\$ 0.1400	144	\$ 20.16	\$ -	0.00%	\$ 0.1400	144	\$ 20.16	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	200	\$ 20.60	\$ 0.1030	200	\$ 20.60	\$ -	0.00%	\$ 0.1030	200	\$ 20.60	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 127.73			\$ 129.14	\$ 1.41	1.10%			\$ 127.79	-\$ 1.35	-1.05%
HST		13%	\$ 16.60		13%	\$ 16.79	\$ 0.18	1.10%		13%	\$ 16.61	-\$ 0.18	-1.05%
<b>Total Bill (including HST)</b>			\$ 144.33			\$ 145.92	\$ 1.59	1.10%			\$ 144.40	-\$ 1.53	-1.05%
<b>Ontario Clean Energy Benefit †</b>			-\$ 14.43			-\$ 14.59	-\$ 0.16	1.11%			-\$ 14.44	\$ 0.15	-1.03%
<b>Total Bill on TOU (including OCEB)</b>			\$ 129.90			\$ 131.33	\$ 1.43	1.10%			\$ 129.96	-\$ 1.38	-1.05%
<b>Total Bill on RPP (before Taxes)</b>			\$ 125.13			\$ 126.54	\$ 1.41	1.13%			\$ 125.19	-\$ 1.35	-1.07%
HST		13%	\$ 16.27		13%	\$ 16.45	\$ 0.18	1.13%		13%	\$ 16.27	-\$ 0.18	-1.07%
<b>Total Bill (including HST)</b>			\$ 141.39			\$ 142.98	\$ 1.59	1.13%			\$ 141.46	-\$ 1.53	-1.07%
<b>Ontario Clean Energy Benefit †</b>			-\$ 14.14			-\$ 14.30	-\$ 0.16	1.13%			-\$ 14.15	\$ 0.15	-1.05%
<b>Total Bill on RPP (including OCEB)</b>			\$ 127.25			\$ 128.68	\$ 1.43	1.13%			\$ 127.31	-\$ 1.38	-1.07%

Loss Factor (%) 3.44%

3.93%

3.93%

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 12.5600	1	\$ 12.56	\$ 16.4000	1	\$ 16.40	\$ 3.84	30.57%	\$ 19.7800	1	\$ 19.78	\$ 3.38	20.61%
Distribution Volumetric Rate	\$ 0.0154	800	\$ 12.32	\$ 0.0126	800	\$ 10.08	-\$ 2.24	-18.18%	\$ 0.0087	800	\$ 6.96	-\$ 3.12	-30.95%
<b>"Regular" Distribution Only</b>			\$ 24.88			\$ 26.48	\$ 1.60	6.43%			\$ 26.74	\$ 0.26	0.98%

Customer Class:

Residential

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 23.3000	1	\$ 23.30	\$ 3.52	17.80%	\$ 26.9700	1	\$ 26.97	\$ 3.67	15.75%	\$ 27.6100	1	\$ 27.61	\$ 0.64	2.37%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ 1.08	1	\$ 1.08	\$ -	0.00%	\$ 1.08	1	\$ 1.08	\$ -	0.00%	\$ 1.08	1	\$ 1.08	\$ -	0.00%
		1	\$ -	\$ -			1	\$ -	\$ -			1	\$ -	\$ -	
		1	\$ -	\$ -			1	\$ -	\$ -			1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0045	800	\$ 3.60	-\$ 3.36	-48.28%	\$ -	800	\$ -	-\$ 3.60	-100.00%	\$ -	800	\$ -	\$ -	
Rate Rider Tax Change (2015)	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
LRAM VA (2016)	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
		-	\$ -	\$ -			-	\$ -	\$ -			-	\$ -	\$ -	
		800	\$ -	\$ -			800	\$ -	\$ -			800	\$ -	\$ -	
		800	\$ -	\$ -			800	\$ -	\$ -			800	\$ -	\$ -	
		800	\$ -	\$ -			800	\$ -	\$ -			800	\$ -	\$ -	
		800	\$ -	\$ -			800	\$ -	\$ -			800	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 27.98	\$ 0.16	0.58%			\$ 28.05	\$ 0.07	0.25%			\$ 28.69	\$ 0.64	2.28%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
		800	\$ -	\$ -			800	\$ -	\$ -			800	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.0024	800	-\$ 1.92	\$ -	0.00%	-\$ 0.0024	800	-\$ 1.92	\$ -	0.00%	-\$ 0.0024	800	-\$ 1.92	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -		\$ -	800	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0012	800	\$ 0.96	\$ -	0.00%	\$ 0.0012	800	\$ 0.96	\$ -	0.00%	\$ 0.0012	800	\$ 0.96	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	31.44	\$ 2.99	\$ -	0.00%	\$ 0.0950	31.44	\$ 2.99	\$ -	0.00%	\$ 0.0950	31.44	\$ 2.99	\$ -	0.00%
Smart Meter Entirety Charge	\$ 0.7900	1	\$ 0.79	\$ -	0.00%	\$ 0.7900	1	\$ 0.79	\$ -	0.00%	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 30.80	\$ 0.16	0.52%			\$ 30.87	\$ 0.07	0.23%			\$ 31.51	\$ 0.64	2.07%
RTSR - Network	\$ 0.0071	831	\$ 5.90	\$ -	0.00%	\$ 0.0071	831	\$ 5.90	\$ -	0.00%	\$ 0.0071	831	\$ 5.90	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 0.0056	831	\$ 4.66	\$ -	0.00%	\$ 0.0056	831	\$ 4.66	\$ -	0.00%	\$ 0.0056	831	\$ 4.66	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 41.36	\$ 0.16	0.39%			\$ 41.43	\$ 0.07	0.17%			\$ 42.07	\$ 0.64	1.54%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	831	\$ 3.66	\$ -	0.00%	\$ 0.0044	831	\$ 3.66	\$ -	0.00%	\$ 0.0044	831	\$ 3.66	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	831	\$ 1.08	\$ -	0.00%	\$ 0.0013	831	\$ 1.08	\$ -	0.00%	\$ 0.0013	831	\$ 1.08	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	800	\$ 5.60	\$ -	0.00%	\$ 0.0070	800	\$ 5.60	\$ -	0.00%	\$ 0.0070	800	\$ 5.60	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	512	\$ 39.42	\$ -	0.00%	\$ 0.0770	512	\$ 39.42	\$ -	0.00%	\$ 0.0770	512	\$ 39.42	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	144	\$ 16.42	\$ -	0.00%	\$ 0.1140	144	\$ 16.42	\$ -	0.00%	\$ 0.1140	144	\$ 16.42	\$ -	0.00%
TOU - On Peak	\$ 0.1400	144	\$ 20.16	\$ -	0.00%	\$ 0.1400	144	\$ 20.16	\$ -	0.00%	\$ 0.1400	144	\$ 20.16	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	200	\$ 20.60	\$ -	0.00%	\$ 0.1030	200	\$ 20.60	\$ -	0.00%	\$ 0.1030	200	\$ 20.60	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 127.95	\$ 0.16	0.13%			\$ 128.02	\$ 0.07	0.05%			\$ 128.66	\$ 0.64	0.50%
HST	13%		\$ 16.63	\$ 0.02	0.13%	13%		\$ 16.64	\$ 0.01	0.05%	13%		\$ 16.73	\$ 0.08	0.50%
<b>Total Bill (including HST)</b>			\$ 144.58	\$ 0.18	0.13%			\$ 144.66	\$ 0.08	0.05%			\$ 145.38	\$ 0.72	0.50%
<b>Ontario Clean Energy Benefit<sup>1</sup></b>			-\$ 14.46	-\$ 0.02	0.14%			-\$ 14.47	-\$ 0.01	0.07%			-\$ 14.54	-\$ 0.07	0.48%
<b>Total Bill on TOU (including OCEB)</b>			\$ 130.12	\$ 0.16	0.12%			\$ 130.19	\$ 0.07	0.05%			\$ 130.84	\$ 0.65	0.50%
<b>Total Bill on RPP (before Taxes)</b>			\$ 125.35	\$ 0.16	0.13%			\$ 125.42	\$ 0.07	0.06%			\$ 126.06	\$ 0.64	0.51%
HST	13%		\$ 16.29	\$ 0.02	0.13%	13%		\$ 16.30	\$ 0.01	0.06%	13%		\$ 16.39	\$ 0.08	0.51%
<b>Total Bill (including HST)</b>			\$ 141.64	\$ 0.18	0.13%			\$ 141.72	\$ 0.08	0.06%			\$ 142.44	\$ 0.72	0.51%
<b>Ontario Clean Energy Benefit<sup>1</sup></b>			-\$ 14.16	-\$ 0.01	0.07%			-\$ 14.17	-\$ 0.01	0.07%			-\$ 14.24	-\$ 0.07	0.49%
<b>Total Bill on RPP (including OCEB)</b>			\$ 127.48	\$ 0.17	0.13%			\$ 127.55	\$ 0.07	0.05%			\$ 128.20	\$ 0.65	0.51%

Loss Factor (%) 3.93%

3.93%

3.93%

Distribution Excluding Rate Riders

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 23.3000	1	\$ 23.30	\$ 3.52	17.80%	\$ 26.9700	1	\$ 26.97	\$ 3.67	15.75%	\$ 27.6100	1	\$ 27.61	\$ 0.64	2.37%
Distribution Volumetric Rate	\$ 0.0045	800	\$ 3.60	-\$ 3.36	-48.28%	\$ -	800	\$ -	-\$ 3.60	-100.00%	\$ -	800	\$ -	\$ -	
<b>"Regular" Distribution Only</b>			\$ 26.90	\$ 0.16	0.60%			\$ 26.97	\$ 0.07	0.26%			\$ 27.61	\$ 0.64	2.37%



**Appendix 2-W  
Bill Impacts**

Customer Class: **General Service Less Than 50 kW**

**General Service Less Than 50 kW**

TOU / non-TOU: **TOU**

Consumption  2,000 kWh  May 1 - October 31  November 1 - April 30 (Select this radio button for applications filed after Oct 31)

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 25.8500	1	\$ 25.85	\$ 26.8400	1	\$ 26.84	\$ 0.99	3.83%
Smart Meter (SMIRR) Rate Rider	\$ 3.6500	1	\$ 3.65	\$ -	1	\$ -	-\$ 3.65	-100.00%
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ 0.4300	1	\$ 0.43	\$ 0.43	100.00%
Rate Rider Recovery of Stranded Meters (2016)	\$ -	1	\$ -	\$ 1.8700	1	\$ 1.87	\$ 1.87	100.00%
Distribution Volumetric Rate	per kWh \$ 0.0106	2000	\$ 21.20	\$ 0.0109	2000	\$ 21.80	\$ 0.60	2.83%
Rate Rider Tax Change (2015)	per kWh \$ -0.0001	2000	\$ -0.20	\$ -	2000	\$ -	\$ 0.20	-100.00%
LRAM VA (2016)	per kWh \$ -	2000	\$ -	\$ 0.0008	2000	\$ 1.60	\$ 1.60	100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	per kWh \$ -	2000	\$ -	\$ 0.0002	2000	\$ 0.40	\$ 0.40	100.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 50.50			\$ 52.94	\$ 2.44	4.83%
Deferral/Variance Account Disposition Rate Rider (2016)	per kWh \$ -	2000	\$ -	\$ 0.0005	2000	\$ 1.00	\$ 1.00	100.00%
Rate Rider CGAAP Account 1576 (2016)	per kWh \$ -	2000	\$ -	\$ 0.0015	2000	\$ 3.00	-\$ 3.00	100.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kWh \$ 0.0156	0	\$ -	\$ -	2000	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kWh \$ -	2000	\$ -	\$ 0.0137	0	\$ -	\$ -	
Low Voltage Service Charge	per kWh \$ 0.0006	2000	\$ 1.20	\$ 0.0011	2000	\$ 2.20	\$ 1.00	83.33%
Line Losses on Cost of Power	per kWh \$ 0.0950	68.8	\$ 6.54	\$ 0.0950	78.6	\$ 7.47	\$ 0.93	14.24%
Smart Meter Entry Charge	Monthly \$ 0.7900	1	\$ 0.79	\$ 0.7900	1	\$ 0.79	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 59.03			\$ 59.40	\$ 0.37	0.63%
RTSR - Network	per kWh \$ 0.0060	2069	\$ 12.41	\$ 0.0063	2079	\$ 13.10	\$ 0.68	5.50%
RTSR - Line and Transformation Connection	per kWh \$ 0.0046	2069	\$ 9.52	\$ 0.0051	2079	\$ 10.60	\$ 1.08	11.39%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 80.96			\$ 83.09	\$ 2.14	2.64%
Wholesale Market Service Charge (WMSC)	per kWh \$ 0.0044	2069	\$ 9.10	\$ 0.0044	2079	\$ 9.15	\$ 0.04	0.47%
Rural and Remote Rate Protection (RRRP)	per kWh \$ 0.0013	2069	\$ 2.69	\$ 0.0013	2079	\$ 2.70	\$ 0.01	0.47%
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	2000	\$ 14.00	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
TOU - Off Peak	per kWh \$ 0.0770	1280	\$ 98.56	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%
TOU - Mid Peak	per kWh \$ 0.1140	360	\$ 41.04	\$ 0.1140	360	\$ 41.04	\$ -	0.00%
TOU - On Peak	per kWh \$ 0.1400	360	\$ 50.40	\$ 0.1400	360	\$ 50.40	\$ -	0.00%
Energy - RPP - Tier 1	per kWh \$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	per kWh \$ 0.1030	1400	\$ 144.20	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 297.00			\$ 299.19	\$ 2.19	0.74%
HST	13%		\$ 38.61	13%		\$ 38.89	\$ 0.29	0.74%
<b>Total Bill (including HST)</b>			\$ 335.61			\$ 338.09	\$ 2.48	0.74%
<b>Ontario Clean Energy Benefit</b>			-\$ 33.56			-\$ 33.81	-\$ 0.25	0.74%
<b>Total Bill on TOU (including OCEB)</b>			\$ 302.05			\$ 304.28	\$ 2.23	0.74%
<b>Total Bill on RPP (before Taxes)</b>			\$ 251.20			\$ 253.39	\$ 2.19	0.87%
HST	13%		\$ 32.66	13%		\$ 32.94	\$ 0.29	0.87%
<b>Total Bill (including HST)</b>			\$ 283.85			\$ 286.33	\$ 2.48	0.87%
<b>Ontario Clean Energy Benefit</b>			-\$ 28.39			-\$ 28.63	-\$ 0.24	0.85%
<b>Total Bill on RPP (including OCEB)</b>			\$ 255.46			\$ 257.70	\$ 2.24	0.88%

Rate (\$)	Volume	Charge (\$)	Impact 2017 TEST 2 vs. 2016 Test 1	
			\$ Change	% Change
\$ 27.6000	1	\$ 27.60	\$ 0.76	2.83%
\$ -	1	\$ -	\$ -	
\$ -	1	\$ -	-\$ 0.43	-100.00%
\$ 1.8700	1	\$ 1.87	\$ -	0.00%
\$ -	1	\$ -	\$ -	
\$ -	1	\$ -	\$ -	
\$ 0.0112	2000	\$ 22.40	\$ 0.60	2.75%
\$ -	2000	\$ -	\$ -	
\$ -	2000	\$ -	-\$ 1.60	-100.00%
\$ -	2000	\$ -	-\$ 0.40	-100.00%
		\$ 51.87	-\$ 1.07	-2.02%
\$ -	2000	\$ -	\$ 1.00	-100.00%
\$ -	2000	\$ -	\$ -	
-\$ 0.0015	2000	-\$ 3.00	\$ -	0.00%
\$ -	2000	\$ -	\$ -	
\$ -	2000	\$ -	\$ -	
\$ 0.0011	2000	\$ 2.20	\$ -	0.00%
\$ 0.0950	78.6	\$ 7.47	\$ -	0.00%
\$ 0.7900	1	\$ 0.79	\$ -	0.00%
		\$ 59.33	-\$ 0.07	-0.12%
\$ 0.0063	2079	\$ 13.10	\$ -	0.00%
\$ 0.0051	2079	\$ 10.60	\$ -	0.00%
		\$ 83.02	-\$ 0.07	-0.08%
\$ 0.0044	2079	\$ 9.15	\$ -	0.00%
\$ 0.0013	2079	\$ 2.70	\$ -	0.00%
\$ 0.2500	1	\$ 0.25	\$ -	0.00%
\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
\$ 0.0770	1280	\$ 98.56	\$ -	0.00%
\$ 0.1140	360	\$ 41.04	\$ -	0.00%
\$ 0.1400	360	\$ 50.40	\$ -	0.00%
\$ 0.0880	600	\$ 52.80	\$ -	0.00%
\$ 0.1030	1400	\$ 144.20	\$ -	0.00%
		\$ 299.12	-\$ 0.07	-0.02%
13%		\$ 38.89	-\$ 0.01	-0.02%
		\$ 338.01	-\$ 0.08	-0.02%
		-\$ 33.80	\$ 0.01	-0.03%
		\$ 304.21	-\$ 0.07	-0.02%
		\$ 253.32	-\$ 0.07	-0.03%
13%		\$ 32.93	-\$ 0.01	-0.03%
		\$ 286.25	-\$ 0.08	-0.03%
		-\$ 28.63	\$ -	0.00%
		\$ 257.62	-\$ 0.08	-0.03%

Loss Factor (%) **3.44%**

**3.93%**

**3.93%**

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 25.8500	1	\$ 25.85	\$ 26.8400	1	\$ 26.84	\$ 0.99	3.83%
Distribution Volumetric Rate	per kWh \$ 0.0106	2000	\$ 21.20	\$ 0.0109	2000	\$ 21.80	\$ 0.60	2.83%
<b>"Regular" Distribution Only</b>			\$ 47.05			\$ 48.64	\$ 1.59	3.38%

Rate (\$)	Volume	Charge (\$)	Impact 2017 TEST 2 vs. 2016 Test 1	
			\$ Change	% Change
\$ 27.6000	1	\$ 27.60	\$ 0.76	2.83%
\$ 0.0112	2000	\$ 22.40	\$ 0.60	2.75%
		\$ 50.00	\$ 1.36	2.80%

Customer Class:

General Service Less Than 50 kW

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 28.1600	1	\$ 28.16	\$ 0.56	2.03%	\$ 28.6000	1	\$ 28.60	\$ 0.44	1.56%	\$ 28.8300	1	\$ 28.83	\$ 0.23	0.80%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters (2016)	\$ 1.8700	1	\$ 1.87	\$ -	0.00%	\$ 1.8700	1	\$ 1.87	\$ -	0.00%	\$ 1.8700	1	\$ 1.87	\$ -	0.00%
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0116	2000	\$ 23.20	\$ 0.80	3.57%	\$ 0.0121	2000	\$ 24.20	\$ 1.00	4.31%	\$ 0.0125	2000	\$ 25.00	\$ 0.80	3.31%
Rate Rider Tax Change (2015)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
LRAM VA (2016)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 53.23	\$ 1.36	2.62%			\$ 54.67	\$ 1.44	2.71%			\$ 55.70	\$ 1.03	1.88%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.0015	2000	-\$ 3.00	\$ -	0.00%	-\$ 0.0015	2000	-\$ 3.00	\$ -	0.00%	-\$ 0.0015	2000	-\$ 3.00	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -		\$ -	2000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%	\$ 0.0011	2000	\$ 2.20	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	78.6	\$ 7.47	\$ -	0.00%	\$ 0.0950	78.6	\$ 7.47	\$ -	0.00%	\$ 0.0950	78.6	\$ 7.47	\$ -	0.00%
Smart Meter Entity Charge	\$ 0.7900	1	\$ 0.79	\$ -	0.00%	\$ 0.7900	1	\$ 0.79	\$ -	0.00%	\$ 0.7900	1	\$ 0.79	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 60.69	\$ 1.36	2.29%			\$ 62.13	\$ 1.44	2.37%			\$ 63.16	\$ 1.03	1.66%
RTSR - Network	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%	\$ 0.0063	2079	\$ 13.10	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%	\$ 0.0051	2079	\$ 10.60	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 84.38	\$ 1.36	1.64%			\$ 85.82	\$ 1.44	1.71%			\$ 86.85	\$ 1.03	1.20%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%	\$ 0.0044	2079	\$ 9.15	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%	\$ 0.0013	2079	\$ 2.70	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%	\$ 0.0070	2000	\$ 14.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%	\$ 0.0770	1280	\$ 98.56	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	360	\$ 41.04	\$ -	0.00%	\$ 0.1140	360	\$ 41.04	\$ -	0.00%	\$ 0.1140	360	\$ 41.04	\$ -	0.00%
TOU - On Peak	\$ 0.1400	360	\$ 50.40	\$ -	0.00%	\$ 0.1400	360	\$ 50.40	\$ -	0.00%	\$ 0.1400	360	\$ 50.40	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%	\$ 0.1030	1400	\$ 144.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 300.48	\$ 1.36	0.45%			\$ 301.92	\$ 1.44	0.48%			\$ 302.95	\$ 1.03	0.34%
HST	13%		\$ 39.06	\$ 0.18	0.45%	13%		\$ 39.25	\$ 0.19	0.48%	13%		\$ 39.38	\$ 0.13	0.34%
<b>Total Bill (including HST)</b>			\$ 339.54	\$ 1.54	0.45%			\$ 341.17	\$ 1.63	0.48%			\$ 342.33	\$ 1.16	0.34%
Ontario Clean Energy Benefit †			-\$ 33.95	-\$ 0.15	0.44%			-\$ 34.12	-\$ 0.17	0.50%			-\$ 34.23	-\$ 0.11	0.32%
<b>Total Bill on TOU (including OCEB)</b>			\$ 305.59	\$ 1.39	0.46%			\$ 307.05	\$ 1.46	0.48%			\$ 308.10	\$ 1.05	0.34%
<b>Total Bill on RPP (before Taxes)</b>			\$ 254.68	\$ 1.36	0.54%			\$ 256.12	\$ 1.44	0.57%			\$ 257.15	\$ 1.03	0.40%
HST	13%		\$ 33.11	\$ 0.18	0.54%	13%		\$ 33.30	\$ 0.19	0.57%	13%		\$ 33.43	\$ 0.13	0.40%
<b>Total Bill (including HST)</b>			\$ 287.79	\$ 1.54	0.54%			\$ 289.42	\$ 1.63	0.57%			\$ 290.58	\$ 1.16	0.40%
Ontario Clean Energy Benefit †			-\$ 28.78	-\$ 0.15	0.52%			-\$ 28.94	-\$ 0.16	0.56%			-\$ 29.06	-\$ 0.12	0.41%
<b>Total Bill on RPP (including OCEB)</b>			\$ 259.01	\$ 1.39	0.54%			\$ 260.48	\$ 1.47	0.57%			\$ 261.52	\$ 1.04	0.40%

Loss Factor (%)

3.93%

3.93%

3.93%

Distribution Excluding Rate Riders

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 28.1600	1	\$ 28.16	\$ 0.56	2.03%	\$ 28.6000	1	\$ 28.60	\$ 0.44	1.56%	\$ 28.8300	1	\$ 28.83	\$ 0.23	0.80%
Distribution Volumetric Rate	\$ 0.0116	2000	\$ 23.20	\$ 0.80	3.57%	\$ 0.0121	2000	\$ 24.20	\$ 1.00	4.31%	\$ 0.0125	2000	\$ 25.00	\$ 0.80	3.31%
<b>"Regular" Distribution Only</b>			\$ 51.36	\$ 1.36	2.72%			\$ 52.80	\$ 1.44	2.80%			\$ 53.83	\$ 1.03	1.95%

**Appendix 2-W  
Bill Impacts**

Customer Class: **General Service 50 to 4,999 kW**

**General Service 50 to 4,999 kW**

TOU / non-TOU: **TOU**

Consumption Load  40,000 kWh  60 kW  May 1 - October 31  November 1 - April 30 (Select this radio button for applications filed after Oct 31)

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 280.0900	1	\$ 280.09	\$ 314.2800	1	\$ 314.28	\$ 34.19	12.21%	\$ 322.9900	1	\$ 322.99	\$ 8.71
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	per kW \$ 2.0063	60	\$ 120.38	\$ 2.0517	60	\$ 123.10	\$ 2.72	2.26%	\$ 2.1314	60	\$ 127.88	\$ 4.78	3.88%
Rate Rider Tax Change (2015)	per kW -\$ 0.0099	60	\$ 0.59	\$ -	60	\$ -	\$ 0.59	-100.00%	\$ -	60	\$ -	\$ -	
LRAM VA (2016)	per kW \$ -	60	\$ -	\$ 0.0293	60	\$ 1.76	\$ 1.76	100.00%	\$ -	60	\$ -	\$ -1.76	-100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	per kW \$ -	60	\$ -	\$ 0.0380	60	\$ 2.28	\$ 2.28	100.00%	\$ -	60	\$ -	\$ -2.28	-100.00%
<b>Sub-Total A (excluding pass through)</b>			\$ 399.87			\$ 441.42	\$ 41.55	10.39%			\$ 450.87	\$ 9.45	2.14%
Deferral/Variance Account Disposition Rate Rider (2016)	per kW \$ -	60	\$ -	\$ 0.7402	60	\$ 44.41	\$ 44.41	100.00%	\$ -	60	\$ -	\$ -44.41	-100.00%
Deferral/Variance Account Disposition Rate Rider (2016), excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -1.1043	60	\$ -66.26	\$ -66.26	100.00%	\$ -	60	\$ -	\$ 66.26	-100.00%
Rate Rider CGAAP Account 1576 (2016)	per kW \$ -	60	\$ -	\$ -0.2245	60	\$ -13.47	\$ -13.47	100.00%	\$ -0.2245	60	\$ -13.47	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	per kW \$ 5.7342		\$ -	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	per kW \$ -	60	\$ -	\$ 4.9999		\$ -	\$ -		\$ -	60	\$ -	\$ -	
Low Voltage Service Charge	per kW \$ 0.2520	60	\$ 15.12	\$ 0.4669	60	\$ 28.01	\$ 12.89	85.28%	\$ 0.4669	60	\$ 28.01	\$ -	0.00%
Line Losses on Cost of Power	per kWh \$ 0.0950	1,376	\$ 130.72	\$ 0.0950	1572	\$ 149.34	\$ 18.62	14.24%	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%
Smart Meter Entropy Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 545.71			\$ 583.46	\$ 37.74	6.92%			\$ 614.76	\$ 31.30	5.36%
RTSR - Network	per kW \$ 2.6313	60	\$ 157.88	\$ 2.7797	60	\$ 166.78	\$ 8.90	5.64%	\$ 2.7797	60	\$ 166.78	\$ -	0.00%
RTSR - Line and Transformation Connection	per kW \$ 2.0128	60	\$ 120.77	\$ 2.2225	60	\$ 133.35	\$ 12.58	10.42%	\$ 2.2225	60	\$ 133.35	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 824.36			\$ 883.59	\$ 59.23	7.18%			\$ 914.89	\$ 31.30	3.54%
Wholesale Market Service Charge (WMSC)	per kWh \$ 0.0044	41376	\$ 182.05	\$ 0.0044	41572	\$ 182.92	\$ 0.86	0.47%	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh \$ 0.0013	41376	\$ 53.79	\$ 0.0013	41572	\$ 54.04	\$ 0.25	0.47%	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%
Standard Supply Service Charge	Monthly \$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh \$ 0.0070	40000	\$ 280.00	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%
TOU - Off Peak	per kWh \$ 0.0770	25600	\$ 1,971.20	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%
TOU - Mid Peak	per kWh \$ 0.1140	7200	\$ 820.80	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%
TOU - On Peak	per kWh \$ 0.1400	7200	\$ 1,008.00	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%
Energy - RPP - Tier 1	per kWh \$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	per kWh \$ 0.1030	39400	\$ 4,058.20	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 5,140.45			\$ 5,200.80	\$ 60.35	1.17%			\$ 5,232.10	\$ 31.30	0.60%
HST	13%		\$ 668.26	13%		\$ 676.10	\$ 7.85	1.17%	13%		\$ 680.17	\$ 4.07	0.60%
<b>Total Bill (including HST)</b>			\$ 5,808.71			\$ 5,876.90	\$ 68.19	1.17%			\$ 5,912.27	\$ 35.37	0.60%
<i>Ontario Clean Energy Benefit</i>			\$ -			\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			\$ 5,808.71			\$ 5,876.90	\$ 68.19	1.17%			\$ 5,912.27	\$ 35.37	0.60%
<b>Total Bill on RPP (before Taxes)</b>			\$ 5,398.65			\$ 5,459.00	\$ 60.35	1.12%			\$ 5,490.30	\$ 31.30	0.57%
HST	13%		\$ 701.82	13%		\$ 709.67	\$ 7.85	1.12%	13%		\$ 713.74	\$ 4.07	0.57%
<b>Total Bill (including HST)</b>			\$ 6,100.48			\$ 6,168.67	\$ 68.19	1.12%			\$ 6,204.04	\$ 35.37	0.57%
<i>Ontario Clean Energy Benefit</i>			\$ -			\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			\$ 6,100.48			\$ 6,168.67	\$ 68.19	1.12%			\$ 6,204.04	\$ 35.37	0.57%

Loss Factor (%) **3.44%**

**3.93%**

**3.93%**

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 280.09	1	\$ 280.09	\$ 314.28	1	\$ 314.28	\$ 34.19	12.21%	\$ 322.99	1	\$ 322.99	\$ 8.71
Distribution Volumetric Rate	per kW \$ 2.0063	60	\$ 120.38	\$ 2.0517	60	\$ 123.10	\$ 2.72	2.26%	\$ 2.1314	60	\$ 127.88	\$ 4.78	3.88%
<b>"Regular" Distribution Only</b>			\$ 400.47			\$ 437.38	\$ 36.91	9.22%			\$ 450.87	\$ 13.49	3.08%

Customer Class:

General Service 50 to 4,999 kW

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 330.5400	1	\$ 330.54	\$ 7.55	2.34%	\$ 337.9000	1	\$ 337.90	\$ 7.36	2.23%	\$ 342.7500	1	\$ 342.75	\$ 4.85	1.44%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 2.2143	60	\$ 132.86	\$ 4.97	3.89%	\$ 2.2986	60	\$ 137.92	\$ 5.06	3.81%	\$ 2.3661	60	\$ 141.97	\$ 4.05	2.94%
Rate Rider Tax Change (2015)	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
LRAM VA (2016)	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			\$ 463.40	\$ 12.52	2.78%			\$ 475.82	\$ 12.42	2.68%			\$ 484.72	\$ 8.90	1.87%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Deferral/Variance Account Disposition Rate Rider (2016), excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.2245	60	-\$ 13.47	\$ -	0.00%	-\$ 0.2245	60	-\$ 13.47	\$ -	0.00%	-\$ 0.2245	60	-\$ 13.47	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers, excluding Wholesale Market Participants	\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -		\$ -	60	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.4669	60	\$ 28.01	\$ -	0.00%	\$ 0.4669	60	\$ 28.01	\$ -	0.00%	\$ 0.4669	60	\$ 28.01	\$ -	0.00%
Line Losses on Cost of Power Smart Meter Entity Charge	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%	\$ 0.0950	1572	\$ 149.34	\$ -	0.00%
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			\$ 627.28	\$ 12.52	2.04%			\$ 639.70	\$ 12.42	1.98%			\$ 648.60	\$ 8.90	1.39%
RTSR - Network	\$ 2.7797	60	\$ 166.78	\$ -	0.00%	\$ 2.7797	60	\$ 166.78	\$ -	0.00%	\$ 2.7797	60	\$ 166.78	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 2.2225	60	\$ 133.35	\$ -	0.00%	\$ 2.2225	60	\$ 133.35	\$ -	0.00%	\$ 2.2225	60	\$ 133.35	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			\$ 927.41	\$ 12.52	1.37%			\$ 939.83	\$ 12.42	1.34%			\$ 948.73	\$ 8.90	0.95%
Wholesale Market Service Charge (WMSC)	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%	\$ 0.0044	41572	\$ 182.92	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%	\$ 0.0013	41572	\$ 54.04	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%	\$ 0.0070	40000	\$ 280.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%	\$ 0.0770	25600	\$ 1,971.20	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%	\$ 0.1140	7200	\$ 820.80	\$ -	0.00%
TOU - On Peak	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%	\$ 0.1400	7200	\$ 1,008.00	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%	\$ 0.1030	39400	\$ 4,058.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			\$ 5,244.62	\$ 12.52	0.24%			\$ 5,257.04	\$ 12.42	0.24%			\$ 5,265.94	\$ 8.90	0.17%
HST	13%		\$ 681.80	\$ 1.63	0.24%	13%		\$ 683.42	\$ 1.61	0.24%	13%		\$ 684.57	\$ 1.16	0.17%
<b>Total Bill (including HST)</b>			\$ 5,926.43	\$ 14.15	0.24%			\$ 5,940.46	\$ 14.03	0.24%			\$ 5,950.51	\$ 10.06	0.17%
<i>Ontario Clean Energy Benefit<sup>1</sup></i>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			\$ 5,926.43	\$ 14.15	0.24%			\$ 5,940.46	\$ 14.03	0.24%			\$ 5,950.51	\$ 10.06	0.17%
<b>Total Bill on RPP (before Taxes)</b>			\$ 5,502.82	\$ 12.52	0.23%			\$ 5,515.24	\$ 12.42	0.23%			\$ 5,524.14	\$ 8.90	0.16%
HST	13%		\$ 715.37	\$ 1.63	0.23%	13%		\$ 716.98	\$ 1.61	0.23%	13%		\$ 718.14	\$ 1.16	0.16%
<b>Total Bill (including HST)</b>			\$ 6,218.19	\$ 14.15	0.23%			\$ 6,232.22	\$ 14.03	0.23%			\$ 6,242.28	\$ 10.06	0.16%
<i>Ontario Clean Energy Benefit<sup>1</sup></i>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			\$ 6,218.19	\$ 14.15	0.23%			\$ 6,232.22	\$ 14.03	0.23%			\$ 6,242.28	\$ 10.06	0.16%

Loss Factor (%) 3.93%

3.93%

3.93%

Distribution Excluding Rate Riders

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2019 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 330.54	1	\$ 330.54	\$ 7.55	2.34%	\$ 337.9000	1	\$ 337.90	\$ 7.36	2.23%	\$ 342.7500	1	\$ 342.75	\$ 4.85	1.44%
Distribution Volumetric Rate	\$ 2.2143	60	\$ 132.86	\$ 4.97	3.89%	\$ 2.2986	60	\$ 137.92	\$ 5.06	3.81%	\$ 2.3661	60	\$ 141.97	\$ 4.05	2.94%
<b>"Regular" Distribution Only</b>			\$ 463.40	\$ 12.52	2.78%			\$ 475.82	\$ 12.42	2.68%			\$ 484.72	\$ 8.90	1.87%

**Appendix 2-W  
Bill Impacts**

Customer Class: **Large Use**

Large Use

TOU / non-TOU: **TOU**

Consumption Load  5,000,000 kWh  8,000 kW  May 1 - October 31  November 1 - April 30 (Select this radio button for applications filed after Oct 31)

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 5,164.00	1	\$ 5,164.00	\$ 5,734.00	1	\$ 5,734.00	\$ 570.00	11.04%	\$ 5,880.00	1	\$ 5,880.00	\$ 146.00	2.55%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 1.0535	8,000	\$ 8,428.00	\$ 1.1818	8,000	\$ 9,454.40	\$ 1,026.40	12.18%	\$ 1.2250	8,000	\$ 9,800.00	\$ 345.60	3.66%
Rate Rider Tax Change (2015)	-\$ 0.0045	8,000	-\$ 36.00	\$ -	8,000	\$ -	\$ 36.00	-100.00%	\$ -	8,000	\$ -	\$ -	
LRAM VA (2016)	\$ -	8,000	\$ -	\$ 0.0277	8,000	\$ 221.60	\$ 221.60		\$ -	8,000	\$ -	-\$ 221.60	-100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	8,000	\$ -	\$ 0.0182	8,000	\$ 145.60	\$ 145.60		\$ -	8,000	\$ -	-\$ 145.60	-100.00%
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 13,556.00</b>			<b>\$ 15,555.60</b>	<b>\$ 1,999.60</b>	<b>14.75%</b>			<b>\$ 15,680.00</b>	<b>\$ 124.40</b>	<b>0.80%</b>
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	8,000	\$ -	-\$ 0.5530	8,000	-\$ 4,424.00	-\$ 4,424.00		\$ -	8,000	\$ -	\$ 4,424.00	-100.00%
Rate Rider CGAAP Account 1576 (2016)	\$ -	8,000	\$ -	-\$ 0.1073	8,000	-\$ 858.40	-\$ 858.40		-\$ 0.1073	8,000	-\$ 858.40	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ -	8,000	\$ -	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	8,000	\$ -	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.3036	8,000	\$ 2,428.80	\$ 0.5625	8,000	\$ 4,500.00	\$ 2,071.20	85.28%	\$ 0.5625	8,000	\$ 4,500.00	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	90,000	\$ 8,550.00	\$ 0.0950	94,000	\$ 8,930.00	\$ 380.00	4.44%	\$ 0.0950	94,000	\$ 8,930.00	\$ -	0.00%
Smart Meter Entity Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 24,534.80</b>			<b>\$ 23,703.20</b>	<b>-\$ 831.60</b>	<b>-3.39%</b>			<b>\$ 28,251.60</b>	<b>\$ 4,548.40</b>	<b>19.19%</b>
RTSR - Network	\$ 3.1704	8000	\$ 25,363.20	\$ 3.3492	8000	\$ 26,793.60	\$ 1,430.40	5.64%	\$ 3.3492	8000	\$ 26,793.60	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 2.4253	8000	\$ 19,402.40	\$ 2.6780	8000	\$ 21,424.00	\$ 2,021.60	10.42%	\$ 2.6780	8000	\$ 21,424.00	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 69,300.40</b>			<b>\$ 71,920.80</b>	<b>\$ 2,620.40</b>	<b>3.78%</b>			<b>\$ 76,469.20</b>	<b>\$ 4,548.40</b>	<b>6.32%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0044	5090000	\$ 22,396.00	\$ 0.0044	5094000	\$ 22,413.60	\$ 17.60	0.08%	\$ 0.0044	5094000	\$ 22,413.60	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	5090000	\$ 6,617.00	\$ 0.0013	5094000	\$ 6,622.20	\$ 5.20	0.08%	\$ 0.0013	5094000	\$ 6,622.20	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	5000000	\$ 35,000.00	\$ 0.0070	5000000	\$ 35,000.00	\$ -	0.00%	\$ 0.0070	5000000	\$ 35,000.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	3200000	\$ 246,400.00	\$ 0.0770	3200000	\$ 246,400.00	\$ -	0.00%	\$ 0.0770	3200000	\$ 246,400.00	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	900000	\$ 102,600.00	\$ 0.1140	900000	\$ 102,600.00	\$ -	0.00%	\$ 0.1140	900000	\$ 102,600.00	\$ -	0.00%
TOU - On Peak	\$ 0.1400	900000	\$ 126,000.00	\$ 0.1400	900000	\$ 126,000.00	\$ -	0.00%	\$ 0.1400	900000	\$ 126,000.00	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	4999400	\$ 514,938.20	\$ 0.1030	4999400	\$ 514,938.20	\$ -	0.00%	\$ 0.1030	4999400	\$ 514,938.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$608,313.65</b>			<b>\$610,956.85</b>	<b>\$ 2,643.20</b>	<b>0.43%</b>			<b>\$615,505.25</b>	<b>\$ 4,548.40</b>	<b>0.74%</b>
HST	13%		\$ 79,080.77	13%		\$ 79,424.39	\$ 343.62	0.43%	13%		\$ 80,015.68	\$ 591.29	0.74%
<b>Total Bill (including HST)</b>			<b>\$687,394.42</b>			<b>\$690,381.24</b>	<b>\$ 2,986.82</b>	<b>0.43%</b>			<b>\$695,520.93</b>	<b>\$ 5,139.69</b>	<b>0.74%</b>
<b>Ontario Clean Energy Benefit<sup>1</sup></b>							\$ -					\$ -	
<b>Total Bill on TOU (including OCEB)</b>			<b>\$687,394.42</b>			<b>\$690,381.24</b>	<b>\$ 2,986.82</b>	<b>0.43%</b>			<b>\$695,520.93</b>	<b>\$ 5,139.69</b>	<b>0.74%</b>
<b>Total Bill on RPP (before Taxes)</b>			<b>\$648,251.85</b>			<b>\$650,895.05</b>	<b>\$ 2,643.20</b>	<b>0.41%</b>			<b>\$655,443.45</b>	<b>\$ 4,548.40</b>	<b>0.70%</b>
HST	13%		\$ 84,272.74	13%		\$ 84,616.36	\$ 343.62	0.41%	13%		\$ 85,207.65	\$ 591.29	0.70%
<b>Total Bill (including HST)</b>			<b>\$732,524.59</b>			<b>\$735,511.41</b>	<b>\$ 2,986.82</b>	<b>0.41%</b>			<b>\$740,651.10</b>	<b>\$ 5,139.69</b>	<b>0.70%</b>
<b>Ontario Clean Energy Benefit<sup>1</sup></b>							\$ -					\$ -	
<b>Total Bill on RPP (including OCEB)</b>			<b>\$732,524.59</b>			<b>\$735,511.41</b>	<b>\$ 2,986.82</b>	<b>0.41%</b>			<b>\$740,651.10</b>	<b>\$ 5,139.69</b>	<b>0.70%</b>

Loss Factor (%)

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 5,164.00	1	\$ 5,164.00	\$ 5,734.00	1	\$ 5,734.00	\$ 570.00	11.04%	\$ 5,880.00	1	\$ 5,880.00	\$ 146.00	2.55%
Distribution Volumetric Rate	\$ 1.0535	8,000	\$ 8,428.00	\$ 1.1818	8,000	\$ 9,454.40	\$ 1,026.40	12.18%	\$ 1.2250	8,000	\$ 9,800.00	\$ 345.60	3.66%
<b>"Regular" Distribution Only</b>			<b>\$ 13,592.00</b>			<b>\$ 15,188.40</b>	<b>\$ 1,596.40</b>	<b>11.75%</b>			<b>\$ 15,680.00</b>	<b>\$ 491.60</b>	<b>3.24%</b>

Customer Class:

Large Use

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6,076.00	1	\$ 6,076.00	\$ 196.00	3.33%	\$ 6,275.85	1	\$ 6,275.85	\$ 199.85	3.29%	\$ 6,430.75	1	\$ 6,430.75	\$ 154.90	2.47%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
		1	\$ -	\$ -			1	\$ -	\$ -			1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 1.2597	8,000	\$ 10,077.60	\$ 277.60	2.83%	\$ 1.2938	8,000	\$ 10,350.40	\$ 272.80	2.71%	\$ 1.3187	8,000	\$ 10,549.60	\$ 199.20	1.92%
Rate Rider Tax Change (2015)	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
LRAM VA (2016)	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 16,153.60</b>	<b>\$ 473.60</b>	<b>3.02%</b>			<b>\$ 16,626.25</b>	<b>\$ 472.65</b>	<b>2.93%</b>			<b>\$ 16,980.35</b>	<b>\$ 354.10</b>	<b>2.13%</b>
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -		\$ -	8,000	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.1073	8,000	-\$ 858.40	\$ -	0.00%	-\$ 0.1073	8,000	-\$ 858.40	\$ -	0.00%	-\$ 0.1073	8,000	-\$ 858.40	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers		8,000	\$ -	\$ -			8,000	\$ -	\$ -			8,000	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers		8,000	\$ -	\$ -			8,000	\$ -	\$ -			8,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.5625	8,000	\$ 4,500.00	\$ -	0.00%	\$ 0.5625	8,000	\$ 4,500.00	\$ -	0.00%	\$ 0.5625	8,000	\$ 4,500.00	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	94000	\$ 8,930.00	\$ -	0.00%	\$ 0.0950	94000	\$ 8,930.00	\$ -	0.00%	\$ 0.0950	94000	\$ 8,930.00	\$ -	0.00%
Smart Meter Entity Charge	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 28,725.20</b>	<b>\$ 473.60</b>	<b>1.68%</b>			<b>\$ 29,197.85</b>	<b>\$ 472.65</b>	<b>1.65%</b>			<b>\$ 29,551.95</b>	<b>\$ 354.10</b>	<b>1.21%</b>
RTSR - Network	\$ 3.3492	8000	\$ 26,793.60	\$ -	0.00%	\$ 3.3492	8000	\$ 26,793.60	\$ -	0.00%	\$ 3.3492	8000	\$ 26,793.60	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 2.6780	8000	\$ 21,424.00	\$ -	0.00%	\$ 2.6780	8000	\$ 21,424.00	\$ -	0.00%	\$ 2.6780	8000	\$ 21,424.00	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 76,942.80</b>	<b>\$ 473.60</b>	<b>0.62%</b>			<b>\$ 77,415.45</b>	<b>\$ 472.65</b>	<b>0.61%</b>			<b>\$ 77,769.55</b>	<b>\$ 354.10</b>	<b>0.46%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0044	5094000	\$ 22,413.60	\$ -	0.00%	\$ 0.0044	5094000	\$ 22,413.60	\$ -	0.00%	\$ 0.0044	5094000	\$ 22,413.60	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	5094000	\$ 6,622.20	\$ -	0.00%	\$ 0.0013	5094000	\$ 6,622.20	\$ -	0.00%	\$ 0.0013	5094000	\$ 6,622.20	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	5000000	\$ 35,000.00	\$ -	0.00%	\$ 0.0070	5000000	\$ 35,000.00	\$ -	0.00%	\$ 0.0070	5000000	\$ 35,000.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	3200000	\$ 246,400.00	\$ -	0.00%	\$ 0.0770	3200000	\$ 246,400.00	\$ -	0.00%	\$ 0.0770	3200000	\$ 246,400.00	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	900000	\$ 102,600.00	\$ -	0.00%	\$ 0.1140	900000	\$ 102,600.00	\$ -	0.00%	\$ 0.1140	900000	\$ 102,600.00	\$ -	0.00%
TOU - On Peak	\$ 0.1400	900000	\$ 126,000.00	\$ -	0.00%	\$ 0.1400	900000	\$ 126,000.00	\$ -	0.00%	\$ 0.1400	900000	\$ 126,000.00	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	4999400	\$ 514,938.20	\$ -	0.00%	\$ 0.1030	4999400	\$ 514,938.20	\$ -	0.00%	\$ 0.1030	4999400	\$ 514,938.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 615,978.85</b>	<b>\$ 473.60</b>	<b>0.08%</b>			<b>\$ 616,451.50</b>	<b>\$ 472.65</b>	<b>0.08%</b>			<b>\$ 616,805.60</b>	<b>\$ 354.10</b>	<b>0.06%</b>
HST	13%		\$ 80,077.25	\$ 61.57	0.08%	13%		\$ 80,138.70	\$ 61.44	0.08%	13%		\$ 80,184.73	\$ 46.03	0.06%
<b>Total Bill (including HST)</b>			<b>\$ 696,056.10</b>	<b>\$ 535.17</b>	<b>0.08%</b>			<b>\$ 696,590.20</b>	<b>\$ 534.09</b>	<b>0.08%</b>			<b>\$ 696,990.33</b>	<b>\$ 400.13</b>	<b>0.06%</b>
<i>Ontario Clean Energy Benefit<sup>1</sup></i>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			<b>\$ 696,056.10</b>	<b>\$ 535.17</b>	<b>0.08%</b>			<b>\$ 696,590.20</b>	<b>\$ 534.09</b>	<b>0.08%</b>			<b>\$ 696,990.33</b>	<b>\$ 400.13</b>	<b>0.06%</b>
<b>Total Bill on RPP (before Taxes)</b>			<b>\$ 655,917.05</b>	<b>\$ 473.60</b>	<b>0.07%</b>			<b>\$ 656,389.70</b>	<b>\$ 472.65</b>	<b>0.07%</b>			<b>\$ 656,743.80</b>	<b>\$ 354.10</b>	<b>0.05%</b>
HST	13%		\$ 85,269.22	\$ 61.57	0.07%	13%		\$ 85,330.66	\$ 61.44	0.07%	13%		\$ 85,376.69	\$ 46.03	0.05%
<b>Total Bill (including HST)</b>			<b>\$ 741,186.27</b>	<b>\$ 535.17</b>	<b>0.07%</b>			<b>\$ 741,720.36</b>	<b>\$ 534.09</b>	<b>0.07%</b>			<b>\$ 742,120.49</b>	<b>\$ 400.13</b>	<b>0.05%</b>
<i>Ontario Clean Energy Benefit<sup>1</sup></i>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			<b>\$ 741,186.27</b>	<b>\$ 535.17</b>	<b>0.07%</b>			<b>\$ 741,720.36</b>	<b>\$ 534.09</b>	<b>0.07%</b>			<b>\$ 742,120.49</b>	<b>\$ 400.13</b>	<b>0.05%</b>

Loss Factor (%) 1.88%

1.88%

1.88%

Distribution Excluding Rate Riders

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2019 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6,076.00	1	\$ 6,076.00	\$ 196.00	3.33%	\$ 6,275.85	1	\$ 6,275.85	\$ 199.85	3.29%	\$ 6,430.75	1	\$ 6,430.75	\$ 154.90	2.47%
Distribution Volumetric Rate	\$ 1.2597	8,000	\$ 10,077.60	\$ 277.60	2.83%	\$ 1.2938	8,000	\$ 10,350.40	\$ 272.80	2.71%	\$ 1.3187	8,000	\$ 10,549.60	\$ 199.20	1.92%
<b>Regular Distribution Only</b>			<b>\$ 16,153.60</b>	<b>\$ 473.60</b>	<b>3.02%</b>			<b>\$ 16,626.25</b>	<b>\$ 472.65</b>	<b>2.93%</b>			<b>\$ 16,980.35</b>	<b>\$ 354.10</b>	<b>2.13%</b>

**Appendix 2-W  
Bill Impacts**

Customer Class: **Unmetered Scattered Load**

Unmetered Scattered Load

TOU / non-TOU: **TOU**

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

	Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 11.5500	1	\$ 11.55	\$ 6.1500	1	\$ 6.15	-\$ 5.40	-46.75%	\$ 6.3500	1	\$ 6.35	\$ 0.20	3.25%
Smart Meter (SMIRR) Rate Rider	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
			1	\$ -		1	\$ -	\$ -			1	\$ -	\$ -	
Distribution Volumetric Rate	per kWh	\$ 0.0141	750	\$ 10.58	\$ 0.0122	750	\$ 9.15	-\$ 1.43	-13.48%	\$ 0.0127	750	\$ 9.53	\$ 0.38	4.10%
Rate Rider Tax Change (2015)	per kWh	-\$ 0.0001	750	-\$ 0.08	\$ -	750	\$ -	\$ 0.08	-100.00%	\$ -	750	\$ -	\$ -	
LRAM VA (2016)	per kWh	\$ -	750	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	per kWh	\$ -	750	\$ -	\$ 0.0002	750	\$ 0.15	\$ 0.15		\$ -	750	\$ -	-\$ 0.15	-100.00%
			750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
			750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
			750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
			750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
			750	\$ -		750	\$ -	\$ -			750	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>				\$ 22.05			\$ 15.45	-\$ 6.60	-29.93%			\$ 15.88	\$ 0.42	2.75%
Deferral/Variance Account Disposition Rate Rider (2016)	per kWh	\$ -	750	\$ -	\$ 0.0005	750	\$ 0.38	\$ 0.38		\$ -	750	\$ -	-\$ 0.38	-100.00%
Rate Rider CGAAP Account 1576 (2016)	per kWh	\$ -	750	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kWh	\$ 0.0156	0	\$ -	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kWh	\$ -	750	\$ -	\$ 0.0137	0	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	per kWh	\$ 0.0007	750	\$ 0.53	\$ 0.0012	750	\$ 0.90	\$ 0.38	71.43%	\$ 0.0012	750	\$ 0.90	\$ -	0.00%
Line Losses on Cost of Power	per kWh	\$ 0.0950	25.8	\$ 2.45	\$ 0.0950	29.475	\$ 2.80	\$ 0.35	14.24%	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%
Smart Meter Entity Charge	Monthly	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>				\$ 25.03			\$ 18.55	-\$ 6.48	-25.88%			\$ 18.60	\$ 0.05	0.27%
RTSR - Network	per kWh	\$ 0.0067	776	\$ 5.20	\$ 0.0071	779	\$ 5.53	\$ 0.34	6.47%	\$ 0.0071	779	\$ 5.53	\$ -	0.00%
RTSR - Line and Transformation Connection	per kWh	\$ 0.0051	776	\$ 3.96	\$ 0.0056	779	\$ 4.37	\$ 0.41	10.32%	\$ 0.0056	779	\$ 4.37	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>				\$ 34.18			\$ 28.45	-\$ 5.73	-16.77%			\$ 28.50	\$ 0.05	0.18%
Wholesale Market Service Charge (WMSVC)	per kWh	\$ 0.0044	776	\$ 3.41	\$ 0.0044	779	\$ 3.43	\$ 0.02	0.47%	\$ 0.0044	779	\$ 3.43	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh	\$ 0.0013	776	\$ 1.01	\$ 0.0013	779	\$ 1.01	\$ 0.00	0.47%	\$ 0.0013	779	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	Monthly	\$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	per kWh	\$ 0.0070	750	\$ 5.25	\$ 0.0070	750	\$ 5.25	\$ -	0.00%	\$ 0.0070	750	\$ 5.25	\$ -	0.00%
TOU - Off Peak	per kWh	\$ 0.0770	480	\$ 36.96	\$ 0.0770	480	\$ 36.96	\$ -	0.00%	\$ 0.0770	480	\$ 36.96	\$ -	0.00%
TOU - Mid Peak	per kWh	\$ 0.1140	135	\$ 15.39	\$ 0.1140	135	\$ 15.39	\$ -	0.00%	\$ 0.1140	135	\$ 15.39	\$ -	0.00%
TOU - On Peak	per kWh	\$ 0.1400	135	\$ 18.90	\$ 0.1400	135	\$ 18.90	\$ -	0.00%	\$ 0.1400	135	\$ 18.90	\$ -	0.00%
Energy - RPP - Tier 1	per kWh	\$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	per kWh	\$ 0.1030	150	\$ 15.45	\$ 0.1030	150	\$ 15.45	\$ -	0.00%	\$ 0.1030	150	\$ 15.45	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>				\$ 115.35			\$ 109.64	-\$ 5.71	-4.95%			\$ 109.69	\$ 0.05	0.05%
HST	13%			\$ 15.00	13%		\$ 14.25	-\$ 0.74	-4.95%	13%		\$ 14.26	\$ 0.01	0.05%
<b>Total Bill (including HST)</b>				\$ 130.35			\$ 123.90	-\$ 6.45	-4.95%			\$ 123.95	\$ 0.06	0.05%
Ontario Clean Energy Benefit <sup>1</sup>				-\$ 13.03			\$ -	\$ 13.03	-100.00%			\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>				\$ 117.32			\$ 123.90	\$ 6.58	5.61%			\$ 123.95	\$ 0.06	0.05%
<b>Total Bill on RPP (before Taxes)</b>				\$ 112.35			\$ 106.64	-\$ 5.71	-5.08%			\$ 106.69	\$ 0.05	0.05%
HST	13%			\$ 14.61	13%		\$ 13.86	-\$ 0.74	-5.08%	13%		\$ 13.87	\$ 0.01	0.05%
<b>Total Bill (including HST)</b>				\$ 126.96			\$ 120.51	-\$ 6.45	-5.08%			\$ 120.56	\$ 0.06	0.05%
Ontario Clean Energy Benefit <sup>1</sup>				-\$ 12.70			\$ -	\$ 12.70	-100.00%			\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>				\$ 114.26			\$ 120.51	\$ 6.25	5.47%			\$ 120.56	\$ 0.06	0.05%

Loss Factor (%)

Distribution Excluding Rate Riders

	Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
		Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	Monthly	\$ 11.5500	1	\$ 11.55	\$ 6.1500	1	\$ 6.15	-\$ 5.40	-46.75%	\$ 6.3500	1	\$ 6.35	\$ 0.20	3.25%
Distribution Volumetric Rate	per kWh	\$ 0.0141	750	\$ 10.58	\$ 0.0122	750	\$ 9.15	-\$ 1.43	-13.48%	\$ 0.0127	750	\$ 9.53	\$ 0.38	4.10%
<b>"Regular" Distribution Only</b>				\$ 22.13			\$ 15.30	-\$ 6.83	-30.85%			\$ 15.88	\$ 0.57	3.76%

Customer Class:

Unmetered Scattered Load

TOU / non-TOU:

	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 6.5600	1	\$ 6.56	\$ 0.21	3.31%	\$ 6.7300	1	\$ 6.73	\$ 0.17	2.59%	\$ 6.8500	1	\$ 6.85	\$ 0.12
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 0.0130	750	\$ 9.75	\$ 0.23	2.36%	\$ 0.0133	750	\$ 9.98	\$ 0.23	2.31%	\$ 0.0136	750	\$ 10.20	\$ 0.23	2.26%
Rate Rider Tax Change (2015)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
LRAM VA (2016)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 16.31</b>	<b>\$ 0.43</b>	<b>2.74%</b>			<b>\$ 16.71</b>	<b>\$ 0.40</b>	<b>2.42%</b>			<b>\$ 17.05</b>	<b>\$ 0.34</b>	<b>2.07%</b>
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 0.0013	750	-\$ 0.98	\$ -	0.00%	-\$ 0.0013	750	-\$ 0.98	\$ -	0.00%	-\$ 0.0013	750	-\$ 0.98	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -		\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0012	750	\$ 0.90	\$ -	0.00%	\$ 0.0012	750	\$ 0.90	\$ -	0.00%	\$ 0.0012	750	\$ 0.90	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%	\$ 0.0950	29.475	\$ 2.80	\$ -	0.00%
Smart Meter Entry Charge	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 19.04</b>	<b>\$ 0.43</b>	<b>2.34%</b>			<b>\$ 19.43</b>	<b>\$ 0.40</b>	<b>2.08%</b>			<b>\$ 19.78</b>	<b>\$ 0.34</b>	<b>1.78%</b>
RTSR - Network	\$ 0.0071	779	\$ 5.53	\$ -	0.00%	\$ 0.0071	779	\$ 5.53	\$ -	0.00%	\$ 0.0071	779	\$ 5.53	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 0.0056	779	\$ 4.37	\$ -	0.00%	\$ 0.0056	779	\$ 4.37	\$ -	0.00%	\$ 0.0056	779	\$ 4.37	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 28.93</b>	<b>\$ 0.43</b>	<b>1.53%</b>			<b>\$ 29.33</b>	<b>\$ 0.40</b>	<b>1.37%</b>			<b>\$ 29.67</b>	<b>\$ 0.34</b>	<b>1.18%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0044	779	\$ 3.43	\$ -	0.00%	\$ 0.0044	779	\$ 3.43	\$ -	0.00%	\$ 0.0044	779	\$ 3.43	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	779	\$ 1.01	\$ -	0.00%	\$ 0.0013	779	\$ 1.01	\$ -	0.00%	\$ 0.0013	779	\$ 1.01	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	750	\$ 5.25	\$ -	0.00%	\$ 0.0070	750	\$ 5.25	\$ -	0.00%	\$ 0.0070	750	\$ 5.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	480	\$ 36.96	\$ -	0.00%	\$ 0.0770	480	\$ 36.96	\$ -	0.00%	\$ 0.0770	480	\$ 36.96	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	135	\$ 15.39	\$ -	0.00%	\$ 0.1140	135	\$ 15.39	\$ -	0.00%	\$ 0.1140	135	\$ 15.39	\$ -	0.00%
TOU - On Peak	\$ 0.1400	135	\$ 18.90	\$ -	0.00%	\$ 0.1400	135	\$ 18.90	\$ -	0.00%	\$ 0.1400	135	\$ 18.90	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	150	\$ 15.45	\$ -	0.00%	\$ 0.1030	150	\$ 15.45	\$ -	0.00%	\$ 0.1030	150	\$ 15.45	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 110.13</b>	<b>\$ 0.44</b>	<b>0.40%</b>			<b>\$ 110.52</b>	<b>\$ 0.39</b>	<b>0.36%</b>			<b>\$ 110.87</b>	<b>\$ 0.34</b>	<b>0.31%</b>
HST	13%		\$ 14.32	\$ 0.06	0.40%	13%		\$ 14.37	\$ 0.05	0.36%	13%		\$ 14.41	\$ 0.04	0.31%
<b>Total Bill (including HST)</b>			<b>\$ 124.44</b>	<b>\$ 0.49</b>	<b>0.40%</b>			<b>\$ 124.89</b>	<b>\$ 0.45</b>	<b>0.36%</b>			<b>\$ 125.28</b>	<b>\$ 0.39</b>	<b>0.31%</b>
Ontario Clean Energy Benefit †				\$ -					\$ -					\$ -	
<b>Total Bill on TOU (including OCEB)</b>			<b>\$ 124.44</b>	<b>\$ 0.49</b>	<b>0.40%</b>			<b>\$ 124.89</b>	<b>\$ 0.45</b>	<b>0.36%</b>			<b>\$ 125.28</b>	<b>\$ 0.39</b>	<b>0.31%</b>
<b>Total Bill on RPP (before Taxes)</b>			<b>\$ 107.13</b>	<b>\$ 0.44</b>	<b>0.41%</b>			<b>\$ 107.52</b>	<b>\$ 0.39</b>	<b>0.37%</b>			<b>\$ 107.87</b>	<b>\$ 0.34</b>	<b>0.32%</b>
HST	13%		\$ 13.93	\$ 0.06	0.41%	13%		\$ 13.98	\$ 0.05	0.37%	13%		\$ 14.02	\$ 0.04	0.32%
<b>Total Bill (including HST)</b>			<b>\$ 121.05</b>	<b>\$ 0.49</b>	<b>0.41%</b>			<b>\$ 121.50</b>	<b>\$ 0.45</b>	<b>0.37%</b>			<b>\$ 121.89</b>	<b>\$ 0.39</b>	<b>0.32%</b>
Ontario Clean Energy Benefit †				\$ -					\$ -					\$ -	
<b>Total Bill on RPP (including OCEB)</b>			<b>\$ 121.05</b>	<b>\$ 0.49</b>	<b>0.41%</b>			<b>\$ 121.50</b>	<b>\$ 0.45</b>	<b>0.37%</b>			<b>\$ 121.89</b>	<b>\$ 0.39</b>	<b>0.32%</b>
Loss Factor (%)	3.93%			3.93%			3.93%			3.93%			3.93%		
Distribution Excluding Rate Riders	2018 Test Year 3 Proposed			Impact 2018 TEST 3 vs. 2017 Test 2		2019 Test Year 4 Proposed			Impact 2019 TEST 4 vs. 2018 Test 3		2020 Test Year 5 Proposed			Impact 2020 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6.5600	1	\$ 6.56	\$ 0.21	3.31%	\$ 6.7300	1	\$ 6.73	\$ 0.17	2.59%	\$ 6.8500	1	\$ 6.85	\$ 0.12	1.78%
Distribution Volumetric Rate	\$ 0.0130	750	\$ 9.75	\$ 0.23	2.36%	\$ 0.0133	750	\$ 9.98	\$ 0.23	2.31%	\$ 0.0136	750	\$ 10.20	\$ 0.23	2.26%
<b>"Regular" Distribution Only</b>			<b>\$ 16.31</b>	<b>\$ 0.43</b>	<b>2.74%</b>			<b>\$ 16.71</b>	<b>\$ 0.40</b>	<b>2.42%</b>			<b>\$ 17.05</b>	<b>\$ 0.34</b>	<b>2.07%</b>



**Appendix 2-W  
Bill Impacts**

Customer Class: **Street Lighting**

**Street Lighting**

TOU / non-TOU: **TOU**

Lights Consumption Load: **5,000** number of kWh  May 1 - October 31  November 1 - April 30 (Select this radio button for applications filed after Oct 31)  
**150,000** kWh   
**375** kW

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge (per light)	\$ 1.02	5,000	\$ 5,100.00	\$ 0.90	5,000	\$ 4,500.00	-\$ 600.00	-11.76%	\$ 1.03	5,000	\$ 5,150.00	\$ 650.00
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	per kW \$ 4.6750	375	\$ 1,753.13	\$ 9.5484	375	\$ 3,580.65	\$ 1,827.53	104.24%	\$ 10.9179	375	\$ 4,094.21	\$ 513.56	14.34%
Rate Rider Tax Change (2015)	-\$ 0.0278	375	\$ 10.43	\$ -	375	\$ -	\$ 10.43	-100.00%	\$ -	375	\$ -	\$ -	
LRAM VA (2016)	per kW \$ -	375	\$ -	\$ 6.6417	375	\$ 2,490.64	\$ 2,490.64		\$ -	375	\$ -	-\$ 2,490.64	-100.00%
Rate Rider Incremental Capital 2012 True-Up (2016)	per kW \$ -	375	\$ -	\$ 0.2240	375	\$ 84.00	\$ 84.00		\$ -	375	\$ -	-\$ 84.00	-100.00%
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 6,842.70</b>			<b>\$ 10,655.29</b>	<b>\$ 3,812.59</b>	<b>55.72%</b>			<b>\$ 9,244.21</b>	<b>-\$ 1,411.08</b>	<b>-13.24%</b>
Deferral/Variance Account Disposition Rate Rider (2016)	per kW \$ -	375	\$ -	\$ 14.1931	375	\$ 5,322.41	\$ 5,322.41		\$ -	375	\$ -	-\$ 5,322.41	-100.00%
Rate Rider CGAAP Account 1576 (2016)	per kW \$ -	375	\$ -	-\$ 1.3222	375	-\$ 495.83	-\$ 495.83		-\$ 1.3222	375	-\$ 495.83	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	per kW \$ 5.5544		\$ -	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	per kW \$ -	375	\$ -	\$ 4.9465		\$ -	\$ -		\$ -	375	\$ -	\$ -	
Low Voltage Service Charge	per kW \$ 0.1820	375	\$ 68.25	\$ 0.3372	375	\$ 126.45	\$ 58.20	85.27%	\$ 0.3372	375	\$ 126.45	\$ -	0.00%
Line Losses on Cost of Power	per kWh \$ 0.0950	5160	\$ 490.20	\$ 0.0950	5895	\$ 560.02	\$ 69.82	14.24%	\$ 0.0950	5895	\$ 560.02	\$ -	0.00%
Smart Meter Entity Charge	per kWh \$ -	1	\$ -	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 7,401.15</b>			<b>\$ 16,168.35</b>	<b>\$ 8,767.20</b>	<b>118.46%</b>			<b>\$ 9,434.86</b>	<b>-\$ 6,733.49</b>	<b>-41.65%</b>
RTSR - Network	per kW \$ 1.9006	375	\$ 712.73	\$ 2.0078	375	\$ 752.93	\$ 40.20	5.64%	\$ 2.0078	375	\$ 752.93	\$ -	0.00%
RTSR - Line and Transformation Connection	per kW \$ 1.4538	375	\$ 545.18	\$ 1.6053	375	\$ 601.99	\$ 56.81	10.42%	\$ 1.6053	375	\$ 601.99	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 8,659.05</b>			<b>\$ 17,523.26</b>	<b>\$ 8,864.21</b>	<b>102.37%</b>			<b>\$ 10,789.78</b>	<b>-\$ 6,733.49</b>	<b>-38.43%</b>
Wholesale Market Service Charge (WMSC)	per kWh \$ 0.0044	155160	\$ 682.70	\$ 0.0044	155895	\$ 685.94	\$ 3.23	0.47%	\$ 0.0044	155895	\$ 685.94	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	per kWh \$ 0.0013	155160	\$ 201.71	\$ 0.0013	155895	\$ 202.66	\$ 0.96	0.47%	\$ 0.0013	155895	\$ 202.66	\$ -	0.00%
Standard Supply Service Charge	Monthly \$ 0.2500	1	\$ 0.25	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	150000	\$ 1,050.00	\$ 0.0070	150000	\$ 1,050.00	\$ -	0.00%	\$ 0.0070	150000	\$ 1,050.00	\$ -	0.00%
TOU - Off Peak	per kWh \$ 0.0770	96,000	\$ 7,392.00	\$ 0.0770	96,000	\$ 7,392.00	\$ -	0.00%	\$ 0.0770	96,000	\$ 7,392.00	\$ -	0.00%
TOU - Mid Peak	per kWh \$ 0.1140	27,000	\$ 3,078.00	\$ 0.1140	27,000	\$ 3,078.00	\$ -	0.00%	\$ 0.1140	27,000	\$ 3,078.00	\$ -	0.00%
TOU - On Peak	per kWh \$ 0.1400	27,000	\$ 3,780.00	\$ 0.1400	27,000	\$ 3,780.00	\$ -	0.00%	\$ 0.1400	27,000	\$ 3,780.00	\$ -	0.00%
Energy - RPP - Tier 1	per kWh \$ 0.0880	600	\$ 52.80	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	per kWh \$ 0.1030	149400	\$ 15,388.20	\$ 0.1030	149400	\$ 15,388.20	\$ -	0.00%	\$ 0.1030	149400	\$ 15,388.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 24,843.71</b>			<b>\$ 33,712.11</b>	<b>\$ 8,868.40</b>	<b>35.70%</b>			<b>\$ 26,978.63</b>	<b>-\$ 6,733.49</b>	<b>-19.97%</b>
HST	13%		\$ 3,229.68	13%		\$ 4,382.57	\$ 1,152.89	35.70%	13%		\$ 3,507.22	-\$ 875.35	-19.97%
<b>Total Bill (including HST)</b>			<b>\$ 28,073.39</b>			<b>\$ 38,094.69</b>	<b>\$ 10,021.29</b>	<b>35.70%</b>			<b>\$ 30,485.85</b>	<b>-\$ 7,608.84</b>	<b>-19.97%</b>
<i>Ontario Clean Energy Benefit<sup>1</sup></i>							\$ -					\$ -	
<b>Total Bill on TOU (including OCEB)</b>			<b>\$ 28,073.39</b>			<b>\$ 38,094.69</b>	<b>\$ 10,021.29</b>	<b>35.70%</b>			<b>\$ 30,485.85</b>	<b>-\$ 7,608.84</b>	<b>-19.97%</b>
<b>Total Bill on RPP (before Taxes)</b>			<b>\$ 26,034.71</b>			<b>\$ 34,903.11</b>	<b>\$ 8,868.40</b>	<b>34.06%</b>			<b>\$ 28,169.63</b>	<b>-\$ 6,733.49</b>	<b>-19.29%</b>
HST	13%		\$ 3,384.51	13%		\$ 4,537.40	\$ 1,152.89	34.06%	13%		\$ 3,662.05	-\$ 875.35	-19.29%
<b>Total Bill (including HST)</b>			<b>\$ 29,419.22</b>			<b>\$ 39,440.52</b>	<b>\$ 10,021.29</b>	<b>34.06%</b>			<b>\$ 31,831.68</b>	<b>-\$ 7,608.84</b>	<b>-19.29%</b>
<i>Ontario Clean Energy Benefit<sup>1</sup></i>							\$ -					\$ -	
<b>Total Bill on RPP (including OCEB)</b>			<b>\$ 29,419.22</b>			<b>\$ 39,440.52</b>	<b>\$ 10,021.29</b>	<b>34.06%</b>			<b>\$ 31,831.68</b>	<b>-\$ 7,608.84</b>	<b>-19.29%</b>

Loss Factor (%)

3.44%

3.93%

3.93%

Distribution Excluding Rate Riders

Charge Unit	2015 Current Board-Approved			2016 Test Year 1 Proposed			Impact 2016 TEST vs. 2015 Bridge		2017 Test Year 2 Proposed			Impact 2017 TEST 2 vs. 2016 Test 1	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
	Monthly Service Charge	\$ 1.02	5,000	\$ 5,100.00	\$ 0.90	5,000	\$ 4,500.00	-\$ 600.00	-11.76%	\$ 1.03	5,000	\$ 5,150.00	\$ 650.00
Distribution Volumetric Rate	per kW \$ 4.6750	375	\$ 1,753.13	\$ 9.5484	375	\$ 3,580.65	\$ 1,827.53	104.24%	\$ 10.9179	375	\$ 4,094.21	\$ 513.56	14.34%
<b>"Regular" Distribution Only</b>			<b>\$ 6,853.13</b>			<b>\$ 8,080.65</b>	<b>\$ 1,227.53</b>	<b>17.91%</b>			<b>\$ 9,244.21</b>	<b>\$ 1,163.56</b>	<b>14.40%</b>

Customer Class:

Street Lighting

TOU / non-TOU:

	2018 Test Year 3			Impact		2019 Test Year 4			Impact		2020 Test Year 5			Impact	
	Proposed			2018 TEST 3 vs. 2017 Test 2		Proposed			2019 TEST 4 vs. 2018 Test 3		Proposed			2019 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge (per light)	\$ 1.16	5,000	\$ 5,800.00	\$ 650.00	12.62%	\$ 1.28	5,000	\$ 6,400.00	\$ 600.00	10.34%	\$ 1.39	5,000	\$ 6,950.00	\$ 550.00	8.59%
Smart Meter (SMIRR) Rate Rider	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Smart Meters Capital (2016)	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Rate Rider Recovery of Stranded Meters	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
Distribution Volumetric Rate	\$ 12.2662	375	\$ 4,599.83	\$ 505.61	12.35%	\$ 13.5517	375	\$ 5,081.89	\$ 482.06	10.48%	\$ 14.7615	375	\$ 5,535.56	\$ 453.68	8.93%
Rate Rider Tax Change (2015)	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
LRAM VA (2016)	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
Rate Rider Incremental Capital 2012 True-Up (2016)	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
<b>Sub-Total A (excluding pass through)</b>			<b>\$ 10,399.83</b>	<b>\$1,155.61</b>	<b>12.50%</b>			<b>\$ 11,481.89</b>	<b>\$1,082.06</b>	<b>10.40%</b>			<b>\$ 12,485.56</b>	<b>\$1,003.68</b>	<b>8.74%</b>
Deferral/Variance Account Disposition	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
Rate Rider (2016)		375	\$ -	\$ -			375	\$ -	\$ -			375	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (2016)	-\$ 1.3222	375	-\$ 495.83	\$ -	0.00%	-\$ 1.3222	375	-\$ 495.83	\$ -	0.00%	-\$ 1.3222	375	-\$ 495.83	\$ -	0.00%
Disposition of Global Adjustment (2015) Applicable to Non-RPP Customers	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
Disposition of Global Adjustment (2016) Applicable to Non-RPP Customers	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.3372	375	\$ 126.45	\$ -	0.00%	\$ 0.3372	375	\$ 126.45	\$ -	0.00%	\$ 0.3372	375	\$ 126.45	\$ -	0.00%
Line Losses on Cost of Power	\$ 0.0950	5895	\$ 560.02	\$ -	0.00%	\$ 0.0950	5895	\$ 560.02	\$ -	0.00%	\$ 0.0950	5895	\$ 560.02	\$ -	0.00%
Smart Meter Entity Charge	\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -		\$ -	1	\$ -	\$ -	
<b>Sub-Total B - Distribution (includes Sub-Total A)</b>			<b>\$ 10,590.48</b>	<b>\$1,155.61</b>	<b>12.25%</b>			<b>\$ 11,672.54</b>	<b>\$1,082.06</b>	<b>10.22%</b>			<b>\$ 12,676.21</b>	<b>\$1,003.68</b>	<b>8.60%</b>
RTSR - Network	\$ 2.0078	375	\$ 752.93	\$ -	0.00%	\$ 2.0078	375	\$ 752.93	\$ -	0.00%	\$ 2.0078	375	\$ 752.93	\$ -	0.00%
RTSR - Line and Transformation Connection	\$ 1.6053	375	\$ 601.99	\$ -	0.00%	\$ 1.6053	375	\$ 601.99	\$ -	0.00%	\$ 1.6053	375	\$ 601.99	\$ -	0.00%
<b>Sub-Total C - Delivery (including Sub-Total B)</b>			<b>\$ 11,945.39</b>	<b>\$1,155.61</b>	<b>10.71%</b>			<b>\$ 13,027.45</b>	<b>\$1,082.06</b>	<b>9.06%</b>			<b>\$ 14,031.13</b>	<b>\$1,003.68</b>	<b>7.70%</b>
Wholesale Market Service Charge (WMSC)	\$ 0.0044	155895	\$ 685.94	\$ -	0.00%	\$ 0.0044	155895	\$ 685.94	\$ -	0.00%	\$ 0.0044	155895	\$ 685.94	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0013	155895	\$ 202.66	\$ -	0.00%	\$ 0.0013	155895	\$ 202.66	\$ -	0.00%	\$ 0.0013	155895	\$ 202.66	\$ -	0.00%
Standard Supply Service Charge	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%	\$ 0.2500	1	\$ 0.25	\$ -	0.00%
Debt Retirement Charge (DRC)	\$ 0.0070	150000	\$ 1,050.00	\$ -	0.00%	\$ 0.0070	150000	\$ 1,050.00	\$ -	0.00%	\$ 0.0070	150000	\$ 1,050.00	\$ -	0.00%
TOU - Off Peak	\$ 0.0770	96000	\$ 7,392.00	\$ -	0.00%	\$ 0.0770	96000	\$ 7,392.00	\$ -	0.00%	\$ 0.0770	96000	\$ 7,392.00	\$ -	0.00%
TOU - Mid Peak	\$ 0.1140	27000	\$ 3,078.00	\$ -	0.00%	\$ 0.1140	27000	\$ 3,078.00	\$ -	0.00%	\$ 0.1140	27000	\$ 3,078.00	\$ -	0.00%
TOU - On Peak	\$ 0.1400	27000	\$ 3,780.00	\$ -	0.00%	\$ 0.1400	27000	\$ 3,780.00	\$ -	0.00%	\$ 0.1400	27000	\$ 3,780.00	\$ -	0.00%
Energy - RPP - Tier 1	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%	\$ 0.0880	600	\$ 52.80	\$ -	0.00%
Energy - RPP - Tier 2	\$ 0.1030	149400	\$ 15,388.20	\$ -	0.00%	\$ 0.1030	149400	\$ 15,388.20	\$ -	0.00%	\$ 0.1030	149400	\$ 15,388.20	\$ -	0.00%
<b>Total Bill on TOU (before Taxes)</b>			<b>\$ 28,134.24</b>	<b>\$1,155.61</b>	<b>4.28%</b>			<b>\$ 29,216.30</b>	<b>\$1,082.06</b>	<b>3.85%</b>			<b>\$ 30,219.98</b>	<b>\$1,003.68</b>	<b>3.44%</b>
HST	13%		\$ 3,657.45	\$ 150.23	4.28%	13%		\$ 3,798.12	\$ 140.67	3.85%	13%		\$ 3,928.60	\$ 130.48	3.44%
<b>Total Bill (including HST)</b>			<b>\$ 31,791.69</b>	<b>\$1,305.84</b>	<b>4.28%</b>			<b>\$ 33,014.42</b>	<b>\$1,222.73</b>	<b>3.85%</b>			<b>\$ 34,148.57</b>	<b>\$1,134.15</b>	<b>3.44%</b>
Ontario Clean Energy Benefit <sup>1</sup>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on TOU (including OCEB)</b>			<b>\$ 31,791.69</b>	<b>\$1,305.84</b>	<b>4.28%</b>			<b>\$ 33,014.42</b>	<b>\$1,222.73</b>	<b>3.85%</b>			<b>\$ 34,148.57</b>	<b>\$1,134.15</b>	<b>3.44%</b>
<b>Total Bill on RPP (before Taxes)</b>			<b>\$ 29,325.24</b>	<b>\$1,155.61</b>	<b>4.10%</b>			<b>\$ 30,407.30</b>	<b>\$1,082.06</b>	<b>3.69%</b>			<b>\$ 31,410.98</b>	<b>\$1,003.68</b>	<b>3.30%</b>
HST	13%		\$ 3,812.28	\$ 150.23	4.10%	13%		\$ 3,952.95	\$ 140.67	3.69%	13%		\$ 4,083.43	\$ 130.48	3.30%
<b>Total Bill (including HST)</b>			<b>\$ 33,137.52</b>	<b>\$1,305.84</b>	<b>4.10%</b>			<b>\$ 34,360.25</b>	<b>\$1,222.73</b>	<b>3.69%</b>			<b>\$ 35,494.40</b>	<b>\$1,134.15</b>	<b>3.30%</b>
Ontario Clean Energy Benefit <sup>1</sup>			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
<b>Total Bill on RPP (including OCEB)</b>			<b>\$ 33,137.52</b>	<b>\$1,305.84</b>	<b>4.10%</b>			<b>\$ 34,360.25</b>	<b>\$1,222.73</b>	<b>3.69%</b>			<b>\$ 35,494.40</b>	<b>\$1,134.15</b>	<b>3.30%</b>

Loss Factor (%) 3.93%

3.93%

3.93%

Distribution Excluding Rate Riders

	2018 Test Year 3			Impact		2019 Test Year 4			Impact		2020 Test Year 5			Impact	
	Proposed			2018 TEST 3 vs. 2017 Test 2		Proposed			2019 TEST 4 vs. 2018 Test 3		Proposed			2019 TEST 5 vs. 2019 Test 4	
	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 1.16	5,000	\$ 5,800.00	\$ 650.00	12.62%	\$ 1.28	5,000	\$ 6,400.00	\$ 600.00	10.34%	\$ 1.39	5,000	\$ 6,950.00	\$ 550.00	8.59%
Distribution Volumetric Rate	\$ 12.2662	375	\$ 4,599.83	\$ 505.61	12.35%	\$ 13.5517	375	\$ 5,081.89	\$ 482.06	10.48%	\$ 14.7615	375	\$ 5,535.56	\$ 453.68	8.93%
<b>"Regular" Distribution Only</b>			<b>\$ 10,399.83</b>	<b>\$1,155.61</b>	<b>12.50%</b>			<b>\$ 11,481.89</b>	<b>\$1,082.06</b>	<b>10.40%</b>			<b>\$ 12,485.56</b>	<b>\$1,003.68</b>	<b>8.74%</b>

Response to the Ontario Energy Board  
Staff Interrogatory 9-Staff-89

Attachment 6



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1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2  
3 **Response to Ontario Energy Board Staff Interrogatory 9-Staff-90**

4  
5 **Ref: Exhibit 4, Tab 6, Schedule 1 – Table 1, p. 2**  
6 **Kingston Hydro Lost Revenue Adjustment Mechanism Variance**  
7 **Account (LRAMVA)**  
8 **OEB Filing Requirements for Electricity Distribution Rate Applications,**  
9 **July 16, 2015, p. 44**

10  
11 **Interrogatory:**

12  
13 Why has Kingston Hydro included lost revenue for 2010 CDM programs when the  
14 Filing Requirements state that distributors are no longer eligible for LRAM for pre-  
15 2011 CDM activities.

16  
17 a) Please show the calculations to arrive at the lost revenue by year and by  
18 class, i.e. kwh/kW x the appropriate variable rate.

19  
20 b) Please provide the OPA Contracted Province-Wide CDM Programs Final  
21 2011 to 2013 Results and 2014 preliminary results for Kingston Hydro.

22  
23 c) Confirm that no adjustments were made to the 2011 Cost of Service  
24 approved load forecast for forecasted CDM results in 2010 to 2014.

25  
26 **Response:**

27  
28 This is an error. Kingston Hydro was awarded disposition of 2010 Lost

---

29 Revenues as part of its 2012 Rate Application. Revisions to correct this  
30 error are made in the attached documentation addressing items a) and b).

31

32 a) Revised LRAMVA calculations are included in the spreadsheet  
33 attachment “IR 3-Staff-54 Attachment 1.xlsx”, specifically in the “2011-  
34 2014 LRAMVA” worksheet.

35

36 b) Final IESO Reported 2011-2014 CDM Results were published on  
37 Sept. 1, 2015. Kingston Hydro has received confirmation from the  
38 IESO that its IESO filed 2015-2020 Conservation Plan are calculated  
39 appropriately. OPA/IESO Contracted 2011-2014 Kingston Hydro CDM  
40 Results, Net savings projections from Kingston Hydro’s IESO filed  
41 2015-2020 CDM plan, IESO provided and Kingston Hydro modeled  
42 persistence tables, allocations of savings to each rate class and all  
43 other supporting calculations revising the LRAMVA filing are provided  
44 as part of “IR 3-Staff-54 Attachment 1.xlsx”, specifically in the “KH  
45 MW Persistence Tables”, “KH MWh Persistence Tables”, and  
46 “Kingston Hydro Results (net)” worksheets.

47

48 c) Confirmed, no adjustments were made.

1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2

3 **Response to Ontario Energy Board Staff Interrogatory 9-Staff-91**

4

5 **Ref: Exhibit 9, Tab 1, Schedule 14, p 6 - LRAMVA Disposition**

6

7 **Interrogatory:**

8

9 Please provide a table that lists all the appropriate OPA CDM Initiatives that produced  
10 net CDM savings which were used in the LRAMVA calculations. For each rate class,  
11 please list all relevant CDM initiatives in the applicable year and provide the  
12 subsequent net CDM savings for each. An example is provided below:

13

<b>Residential</b>	<b>Net kWh</b>	<b>Net kW</b>
Initiative 1		
Initiative 2		
Initiative 3		
<b>Total</b>		
Volumetric Rate Used		
<b>Lost Revenues</b>		
<b>GS &lt; 50 kW</b>	<b>Net kWh</b>	<b>Net kW</b>
Initiative 1		
Initiative 2		
Initiative 3		
<b>Total</b>		
Volumetric Rate Used		
<b>Lost Revenues</b>		
<b>GS &gt; 50 kW</b>	<b>Net kWh</b>	<b>Net kW</b>
Initiative 1		
Initiative 2		

Initiative 3		
<b>Total</b>		
Volumetric Rate Used		
<b>Lost Revenues</b>		
<b>Other classes (e.g.,</b>	<b>Net kWh</b>	<b>Net kW</b>
<b>Streetlighting, Large Use, etc.), as needed</b>		
Initiative 1		
Initiative 2		
Initiative 3		
<b>Total</b>		
Volumetric Rate Used		
<b>Lost Revenues</b>		

14

15 A separate table should be provided for each year.

16

17 **Response:**

18

19 Please refer to attachment "IR 3-Staff-54 Attachment 1.xlsx", specifically the  
20 worksheets labeled "KH MW Persistence Table", "KH MWh Persistence Table",  
21 "KH MW Savings Pivot", "KH MWh Savings Pivot", and "Allocation to Rate  
22 Classes". Source data comes from OPA/IESO reports of net end user level  
23 savings for each initiative delivered in Kingston Hydro territory and Kingston  
24 Hydro's records as to savings achieved by each rate class.

25

26 LRAMVA savings are calculated based on this data, and have been revised from  
27 originally filed evidence.



1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2

3 **Response to Ontario Energy Board Staff Interrogatory 9-Staff-92**

4

5 **Ref: Exhibit 9, Tab 1, Schedule 14, p. 6**

6

7 **Interrogatory:**

8

9 Please provide the 2013 Final OPA Conservation Program Report, OEB staff is not  
10 able to verify the results.

11

12 **Response:**

13

14 This report has been provided in the attached file “IR 9-Staff-92 – Attachment 1.xlsx”.

Response to the Ontario Energy Board  
Staff Interrogatory 9-Staff-92

Attachment 1



**Message from the Vice President:**

The OPA is pleased to provide you with the enclosed Final 2013 Verified Results Report.

2013 Report highlights:

- We have achieved 86% of our cumulative energy savings target and 48% of our annual peak demand savings target to date (Scenario 2).  
By the end of 2013, 42 LDCs have exceeded 80% of their energy target and 19 LDCs have met or exceeded their 2011-14 energy target.
- In 2013, LDCs have achieved over 600 GWh in savings, representing an increase of 20% over the 2012 net incremental energy savings results.
- The BUSINESS PROGRAM continues to generate strong interest and participation amongst business customers with significant savings results. 71% of total energy savings in 2013 came from the BUSINESS PROGRAM and its momentum continues. Also, as the program matures, we are seeing more and more studies in the PROCESS AND SYSTEMS pipeline converting to completed projects.
- Within 4 cents per kWh, Conservation programs continue to be a valuable and cost effective resource for customers across the province.

2013 has been a year of significant operational advancements centered around creating a better customer and LDC experience:

- A number of operational changes were made in 2013 to enhance processes, such as payment of LDC invoices streamlined to an average of 20 days, enhanced reporting and iCon updates to improve users' experience.
- Proactive updates to measures incentivized through saveONenergy have allowed programs to stay ahead of changing market conditions. Specifically in 2013, LEDs became popular measures in both the Consumer and Business programs.
- Technical tools also played a significant role in 2013, which included an updated Measure and Assumptions List as well as new and improved engineering worksheets for RETROFIT which allow customers to more easily access programs by building strong business cases based on latest estimates of savings potential.
- The Conservation Fund introduced the LDC Fast Track stream to support LDCs with innovative program ideas. 2013 LDC pilots included Oshawa PUC Networks Inc.'s retro-commissioning program, Toronto Hydro-Electric System Limited multi-unit demand response, and Niagara-on-the-Lake Hydro Inc.'s electric vehicles load shifting program.
- Key market sectors were also engaged in 2013 through Capability Building programs targeted at Home Builders and HVAC Installers to build conservation knowledge with these partners. Energy Efficiency Services Programs (EESPs) also provided valuable support to a variety of sectors.

The format of this report was developed in collaboration with the Reporting Working Group and is designed to help LDCs populate their 2013 Annual Reports that will be submitted to the OEB by September 30th. Any additional 2013 program activity not captured here will be reported in your Final 2014 Verified Results Report.

Please continue to monitor saveONenergy E-blasts for any further updates and should you have any other questions or comments please contact [LDC.Support@powerauthority.on.ca](mailto:LDC.Support@powerauthority.on.ca).

We appreciate your ongoing collaboration and cooperation throughout the reporting and evaluation process. We look forward to another successful year in 2014.

Sincerely,

Andrew Pride

<b>Table of Contents</b>			
	<b>Summary</b>	Provides a "snapshot" of the LDC specific OPA-Contracted Province-Wide Program performance to date: progress to target using 2 scenarios, sector breakdown and progress to target for the LDC community	3
<b>LDC-Specific Performance (LDC Level Results)</b>			
Table 1	LDC Initiative and Program Level Net Savings	Provides LDC-specific initiative-level results (activity, net peak demand and energy savings, and how each initiative contributes to targets).	4
Table 2	LDC Adjustments to Net Verified Results	Provides LDC-specific initiative level adjustments from previous years (activity, net peak demand and energy savings).	5
Table 3	LDC Realization Rates & NTGs	Provides LDC-specific initiative-level realization rates and net-to-gross ratios.	6
Table 4	LDC Net Peak Demand Savings (MW)	Provides a portfolio level view of LDC achievement of net peak demand savings towards OEB target to date.	7
Table 5	LDC Net Energy Savings (GWh)	Provides a portfolio level view of LDC achievement of net energy savings towards OEB target to date.	7
<b>Province-Wide Data - (LDC Performance in Aggregate)</b>			
Table 6	Provincial Initiative and Program Level Net Savings	Provides province-wide initiative-level results (activity, net peak demand and energy savings, and how each initiative contributes to targets).	8
Table 7	Provincial Adjustments to Net Verified Results	Provides province-wide initiative level adjustments from previous years (activity, net peak demand and energy savings).	9
Table 8	Provincial Realization Rates & NTGs	Provides province-wide initiative-level realization rates and net-to-gross ratios.	10
Table 9	Provincial Net Peak Demand Savings (MW)	Provides a portfolio level view of provincial achievement of net peak demand savings towards the OEB target to date.	11
Table 10	Provincial Net Energy Savings (GWh)	Provides a portfolio level view of achievement of provincial net energy savings towards the OEB target to date.	11
<b>Appendix</b>			
-	Methodology	Detailed descriptions of methods used for results.	12 to 21
-	Reference Tables	To map C&I and Industrial customer data and Consumer Program allocation methodology.	22 to 25
-	Glossary	Definitions for terms used throughout the report.	26
Table 11	LDC Initiative and Program Level Gross Savings	Provides LDC-specific initiative-level results (gross peak demand and energy savings).	27
Table 12	LDC Adjustments to Gross Verified Results	Provides LDC-specific initiative level adjustments from previous years (gross peak demand and energy savings).	28
Table 13	Provincial Initiative and Program Level Gross Savings	Provides province-wide initiative-level results (gross peak demand and energy savings).	29

Table 14	Provincial Adjustments to Gross Verified Results	Provides province-wide initiative level adjustments from previous years (gross peak demand and energy savings).	30
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## OPA-Contracted Province-Wide CDM Programs Final Verified 2013 Results

**LDC:** Kingston Hydro Corporation

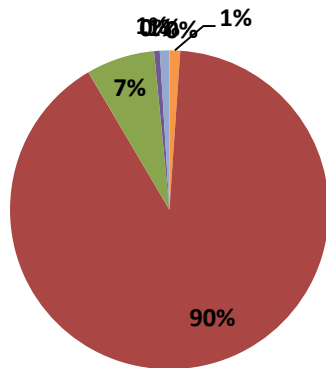
FINAL 2013 Progress to Targets	2013 Incremental	Program-to-Date Progress to Target (Scenario 1)	Scenario 1: % of Target Achieved	Scenario 2: % of Target Achieved
<b>Net Annual Peak Demand Savings (MW)</b>	4.7	2.2	<b>32.5%</b>	<b>96.2%</b>
<b>Net Energy Savings (GWh)</b>	6.2	41.6	<b>111.9%</b>	<b>111.9%</b>

Scenario 1 = Assumes that demand response resources have a persistence of 1 year

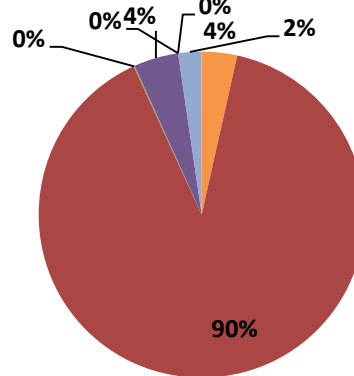
Scenario 2 = Assumes that demand response resources remain in the LDC service territory until 2014

### Achievement by Sector

**2013 Incremental Peak Demand Savings (MW)**



**2013 Incremental Energy Savings (GWh)**



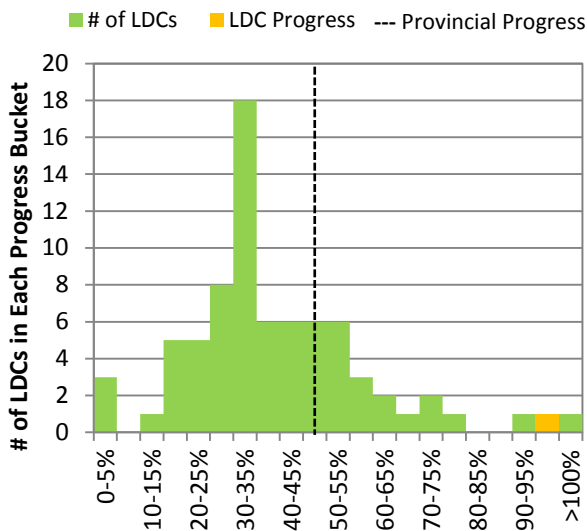
■ Consumer   
 ■ Business   
 ■ Industrial   
 ■ HAP   
 ■ ACP   
 ■ Program Enabled   
 ■ Other\*

*\*Other includes adjustments to previous years' results and savings from pre-2011 initiatives*

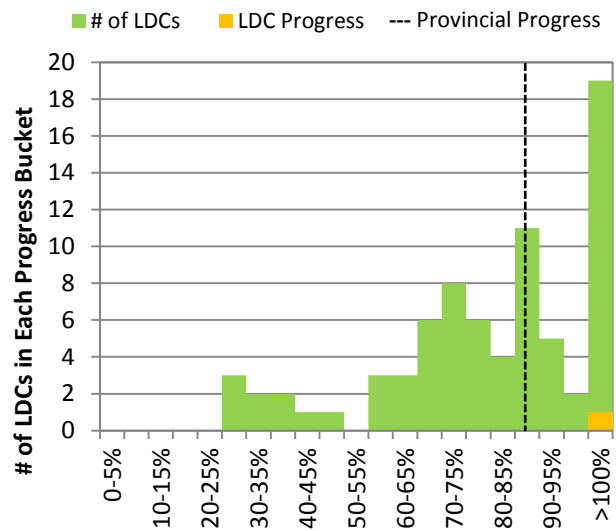
### Comparison: LDC Achievement vs. LDC Community Achievement (Progress to Target)

The following graphs assume that demand response resources remain in the LDC service territory until 2014 (aligns with Scenario 2)

**% of OEB Peak Demand Savings Target Achieved**



**% of OEB Energy Savings Target Achieved**



**% of OEB Target Achieved**

**% of OEB Target Achieved**



Table 1: Kingston Hydro Corporation Initiative and Program Level Net Savings by Year (Scenario 1)

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011*	2012*	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
<b>Consumer Program</b>															
Appliance Retirement	Appliances	182	91	46		10	5	3		69,602	36,436	19,133		18	425,778
Appliance Exchange	Appliances	22	67	7		2	9	1		2,646	16,002	2,586		12	62,461
HVAC Incentives	Equipment	293	225	163		118	53	38		230,820	95,798	69,936		209	1,350,544
Conservation Instant Coupon Booklet	Items	2,694	155	1,739		6	1	3		98,588	7,010	38,644		10	492,672
Bi-Annual Retailer Event	Items	4,774	5,319	4,737		8	7	6		147,342	134,277	86,136		22	1,164,470
Retailer Co-op	Items	0	0	0		0	0	0		0	0	0		0	0
Residential Demand Response	Devices	0	0	0		0	0	0		0	0	0		0	0
Residential Demand Response (IHD)	Devices	0	0	0		0	0	0		0	0	0		0	0
Residential New Construction	Homes	0	0	0		0	0	0		0	0	0		0	0
<b>Consumer Program Total</b>						<b>145</b>	<b>76</b>	<b>51</b>		<b>548,997</b>	<b>289,524</b>	<b>216,435</b>		<b>270</b>	<b>3,495,925</b>
<b>Business Program</b>															
Retrofit	Projects	40	62	68		360	536	240		1,921,835	3,121,717	5,089,596		1,109	27,140,002
Direct Install Lighting	Projects	108	386	62		105	238	64		264,376	942,755	222,932		384	4,263,716
Building Commissioning	Buildings	0	0	0		0	0	0		0	0	0		0	0
New Construction	Buildings	0	6	1		0	1	22		0	1,597	58,802		22	122,395
Energy Audit	Audits	3	7	2		0	26	18		0	125,881	96,902		44	571,447
Small Commercial Demand Response	Devices	0	0	0		0	0	0		0	0	0		0	0
Small Commercial Demand Response (IHD)	Devices	0	0	0		0	0	0		0	0	0		0	0
Demand Response 3	Facilities	3	3	2		4,018	4,030	3,894		156,889	58,581	52,002		0	267,472
<b>Business Program Total</b>						<b>4,484</b>	<b>4,831</b>	<b>4,238</b>		<b>2,343,100</b>	<b>4,250,531</b>	<b>5,520,234</b>		<b>1,559</b>	<b>32,365,031</b>
<b>Industrial Program</b>															
Process & System Upgrades	Projects	0	0	0		0	0	0		0	0	0		0	0
Monitoring & Targeting	Projects	0	0	0		0	0	0		0	0	0		0	0
Energy Manager	Projects	0	0	0		0	0	0		0	0	0		0	0
Retrofit	Projects	0	0	0		0	0	0		0	0	0		0	0
Demand Response 3	Facilities	0	1	1		0	349	326		0	8,416	7,412		0	15,828
<b>Industrial Program Total</b>						<b>0</b>	<b>349</b>	<b>326</b>		<b>0</b>	<b>8,416</b>	<b>7,412</b>		<b>0</b>	<b>15,828</b>
<b>Home Assistance Program</b>															
Home Assistance Program	Homes	0	62	343		0	6	27		0	48,513	272,016		32	684,042
<b>Home Assistance Program Total</b>						<b>0</b>	<b>6</b>	<b>27</b>		<b>0</b>	<b>48,513</b>	<b>272,016</b>		<b>32</b>	<b>684,042</b>
<b>Aboriginal Program</b>															
Home Assistance Program	Homes	0	0	0		0	0	0		0	0	0		0	0
Direct Install Lighting	Projects	0	0	0		0	0	0		0	0	0		0	0
<b>Aboriginal Program Total</b>						<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>
<b>Pre-2011 Programs completed in 2011</b>															
Electricity Retrofit Incentive Program	Projects	3	0	0		12	0	0		79,337	0	0		12	317,348
High Performance New Construction	Projects	3	2	0		64	90	0		331,043	327,226	0		155	2,305,850
Toronto Comprehensive	Projects	0	0	0		0	0	0		0	0	0		0	0
Multifamily Energy Efficiency Rebates	Projects	0	0	0		0	0	0		0	0	0		0	0
LDC Custom Programs	Projects	0	0	0		0	0	0		0	0	0		0	0
<b>Pre-2011 Programs completed in 2011 Total</b>						<b>77</b>	<b>90</b>	<b>0</b>		<b>410,380</b>	<b>327,226</b>	<b>0</b>		<b>167</b>	<b>2,623,198</b>
<b>Other</b>															
Program Enabled Savings	Projects	0	0	0		0	0	0		0	0	0		0	0
Time-of-Use Savings	Homes	0	0	0		0	0	0		0	0	0		0	0
<b>Other Total</b>						<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>
<b>Adjustments to 2011 Verified Results</b>							<b>83</b>	<b>0</b>			<b>491,455</b>	<b>0</b>		<b>82</b>	<b>1,964,938</b>
<b>Adjustments to 2012 Verified Results</b>								<b>45</b>				<b>142,728</b>		<b>45</b>	<b>428,184</b>
<b>Energy Efficiency Total</b>						<b>687</b>	<b>973</b>	<b>422</b>		<b>3,145,588</b>	<b>4,857,213</b>	<b>5,956,683</b>		<b>2,029</b>	<b>38,900,724</b>
<b>Demand Response Total (Scenario 1)</b>						<b>4,018</b>	<b>4,379</b>	<b>4,220</b>		<b>156,889</b>	<b>66,996</b>	<b>59,414</b>		<b>0</b>	<b>283,299</b>
<b>Adjustments to Previous Years' Verified Results Total</b>						<b>0</b>	<b>83</b>	<b>45</b>		<b>0</b>	<b>491,455</b>	<b>142,728</b>		<b>128</b>	<b>2,393,122</b>
<b>OPA-Contracted LDC Portfolio Total (inc. Adjustments)</b>						<b>4,705</b>	<b>5,435</b>	<b>4,687</b>		<b>3,302,477</b>	<b>5,415,664</b>	<b>6,158,825</b>		<b>2,156</b>	<b>41,577,146</b>
Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).												The IHD line item on the 2013 annual report has been left blank pending a results update from evaluations; results will be updated once sufficient information is made available.			
*Includes adjustments after Final Reports were issued												Energy Manager, Aboriginal Program and Program Enabled Savings were not independently evaluated			
												Full OEB Target:			
												% of Full OEB Target Achieved to Date (Scenario 1):			
												<b>6,630</b>			
												<b>32.5%</b>			
												<b>37,160,000</b>			
												<b>111.9%</b>			

Table 2: Adjustments to Kingston Hydro Corporation Net Verified Results due to Variances

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011*	2012*	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
<b>Consumer Program</b>													
Appliance Retirement	Appliances	0	0			0	0			0	0		
Appliance Exchange	Appliances	0	0			0	0			0	0		
HVAC Incentives	Equipment	-74	9			-24	2			-46,099	3,615		
Conservation Instant Coupon Booklet	Items	41	0			0	0			1,382	0		
Bi-Annual Retailer Event	Items	410	0			1	0			10,947	0		
Retailer Co-op	Items	0	0			0	0			0	0		
Residential Demand Response	Devices	0	0			0	0			0	0		
Residential Demand Response (IHD)	Devices	0	0			0	0			0	0		
Residential New Construction	Homes	0	0			0	0			0	0		
<b>Consumer Program Total</b>						<b>-23</b>	<b>2</b>			<b>-33,770</b>	<b>3,615</b>		
<b>Business Program</b>													
Retrofit	Projects	2	2			3	14			14,398	23,309		
Direct Install Lighting	Projects	5	16			5	20			15,858	65,451		
Building Commissioning	Buildings	0	0			0	0			0	0		
New Construction	Buildings	0	0			0	0			0	0		
Energy Audit	Audits	2	2			10	10			50,353	50,353		
Small Commercial Demand Response	Devices	0	0			0	0			0	0		
Small Commercial Demand Response (IHD)	Devices	0	0			0	0			0	0		
Demand Response 3	Facilities	0	0			0	0			0	0		
<b>Business Program Total</b>						<b>19</b>	<b>43</b>			<b>80,609</b>	<b>139,113</b>		
<b>Industrial Program</b>													
Process & System Upgrades	Projects	0	0			0	0			0	0		
Monitoring & Targeting	Projects	0	0			0	0			0	0		
Energy Manager	Projects	0	0			0	0			0	0		
Retrofit	Projects	0	0			0	0			0	0		
Demand Response 3	Facilities	0	0			0	0			0	0		
<b>Industrial Program Total</b>						<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>		
<b>Home Assistance Program</b>													
Home Assistance Program	Homes	0	0			0	0			0	0		
<b>Home Assistance Program Total</b>						<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>		
<b>Aboriginal Program</b>													
Home Assistance Program	Homes	0	0			0	0			0	0		
Direct Install Lighting	Projects	0	0			0	0			0	0		
<b>Aboriginal Program Total</b>						<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>		
<b>Pre-2011 Programs completed in 2011</b>													
Electricity Retrofit Incentive Program	Projects	0	0			0	0			0	0		
High Performance New Construction	Projects	2	0			87	0			444,616	0		
Toronto Comprehensive	Projects	0	0			0	0			0	0		
Multifamily Energy Efficiency Rebates	Projects	0	0			0	0			0	0		
LDC Custom Programs	Projects	0	0			0	0			0	0		
<b>Pre-2011 Programs completed in 2011 Total</b>						<b>87</b>	<b>0</b>			<b>444,616</b>	<b>0</b>		
<b>Other</b>													
Program Enabled Savings	Projects	0	0			0	0			0	0		
Time-of-Use Savings	Homes	0	0			0	0			0	0		
<b>Other Total</b>						<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>		
<b>Adjustments to 2011 Verified Results</b>						<b>83</b>				<b>491,455</b>			
<b>Adjustments to 2012 Verified Results</b>							<b>45</b>				<b>142,728</b>		
<b>Total Adjustments to Previous Years' Verified Results</b>						<b>83</b>	<b>45</b>			<b>491,455</b>	<b>142,728</b>		

Activity and savings for Demand Response resources for each year represent the

The IHD line item on the 2013 annual report has been left blank pending a results update from

Adjustments to previous years' results shown in this table will not align to adjustments shown in Table 1 as

savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

evaluations; results will be updated once sufficient information is made available.

the information presented above does not consider persistence of savings

**Table 3: Kingston Hydro Corporation Realization Rate & NTG**

Initiative	Peak Demand Savings								Energy Savings							
	Realization Rate				Net-to-Gross Ratio				Realization Rate				Net-to-Gross Ratio			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
<b>Consumer Program</b>																
Appliance Retirement	1.00	1.00	n/a		0.49	0.46	0.42		1.00	1.00	n/a		0.50	0.47	0.44	
Appliance Exchange	1.00	1.00	1.00		0.52	0.52	0.53		1.00	1.00	1.00		0.52	0.52	0.53	
HVAC Incentives	1.00	1.00	n/a		0.60	0.49	0.48		1.00	1.00	n/a		0.60	0.49	0.48	
Conservation Instant Coupon Booklet	1.00	1.00	1.00		1.14	1.00	1.11		1.00	1.00	1.00		1.11	1.05	1.13	
Bi-Annual Retailer Event	1.00	1.00	1.00		1.13	0.91	1.04		1.00	1.00	1.00		1.10	0.92	1.04	
Retailer Co-op	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Residential Demand Response	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Residential Demand Response (IHD)	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Residential New Construction	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
<b>Business Program</b>																
Retrofit	0.93	0.99	0.92		0.69	0.77	0.74		1.08	1.09	0.96		0.69	0.75	0.66	
Direct Install Lighting	1.08	0.68	0.81		0.93	0.94	0.94		0.90	0.85	0.84		0.93	0.94	0.94	
Building Commissioning	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
New Construction	n/a	0.86	1.00		n/a	0.49	0.54		n/a	0.84	1.00		n/a	0.49	0.54	
Energy Audit	n/a	n/a	1.02		n/a	n/a	0.66		n/a	n/a	0.97		n/a	n/a	0.66	
Small Commercial Demand Response	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Small Commercial Demand Response (IHD)	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Demand Response 3	0.76	n/a	n/a		n/a	n/a	n/a		1.00	n/a	n/a		n/a	n/a	n/a	
<b>Industrial Program</b>																
Process & System Upgrades	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Monitoring & Targeting	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Energy Manager	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Retrofit																
Demand Response 3	0.84	n/a	n/a		n/a	n/a	n/a		1.00	n/a	n/a		n/a	n/a	n/a	
<b>Home Assistance Program</b>																
Home Assistance Program	n/a	0.16	0.55		n/a	1.00	1.00		n/a	0.98	0.89		n/a	1.00	1.00	
<b>Aboriginal Program</b>																
Home Assistance Program	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Direct Install Lighting	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
<b>Pre-2011 Programs completed in 2011</b>																
Electricity Retrofit Incentive Program	0.84	n/a	n/a		0.55	n/a	n/a		0.85	n/a	n/a		0.56	n/a	n/a	
High Performance New Construction	1.00	1.00	1.00		0.50	0.50	0.50		1.00	1.00	1.00		0.50	0.50	0.50	
Toronto Comprehensive	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Multifamily Energy Efficiency Rebates	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
LDC Custom Programs	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
<b>Other</b>																
Program Enabled Savings	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Time-of-Use Savings	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	

Energy Manager, Aboriginal Program and Program Enabled Savings were not independently evaluated

## Summary Progress Towards CDM Targets

Results are attributed to target using current OPA reporting policies. Energy efficiency resources persist for the duration of the effective useful life. Any upcoming code changes are taken into account. Demand response resources persist for 1 year (Scenario 1). Please see methodology tab for more detailed information.

**Table 4: Net Peak Demand Savings at the End User Level (MW) (Scenario 1)**

Implementation Period	Annual			
	2011	2012	2013	2014
2011 - Verified	4.7	0.7	0.7	0.7
2012 - Verified†	0.1	5.4	1.1	1.0
2013 - Verified†	0.0	0.0	4.7	0.5
2014				
Verified Net Annual Peak Demand Savings Persisting in 2014:				2.2
Kingston Hydro Corporation 2014 Annual CDM Capacity Target:				6.6
Verified Portion of Peak Demand Savings Target Achieved in 2014 (%):				32.5%

**Table 5: Net Energy Savings at the End User Level (GWh)**

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011 - Verified	3.3	3.1	3.1	3.1	12.7
2012 - Verified†	0.5	5.4	5.3	5.2	16.5
2013 - Verified†	0.0	0.1	6.2	6.1	12.4
2014					
Verified Net Cumulative Energy Savings 2011-2014:					41.6
Kingston Hydro Corporation 2011-2014 Annual CDM Energy Target:					37.2
Verified Portion of Cumulative Energy Target Achieved in 2014 (%):					111.9%

†Includes adjustments to previous Years' verified results

Table 6: Province-Wide Initiatives and Program Level Net Savings by Year (Scenario 1)

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)				Program-to-Date Verified Progress to Target (excludes DR)	
		2011*	2012*	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2014 Net Annual Peak Demand Savings (kW)	2011-2014 Net Cumulative Energy Savings (kWh)
														2014	2014
<b>Consumer Program</b>															
Appliance Retirement	Appliances	56,110	34,146	20,952		3,299	2,011	1,433		23,005,812	13,424,518	8,713,107		6,605	149,603,072
Appliance Exchange	Appliances	3,688	3,836	5,337		371	556	1,106		450,187	974,621	1,971,701		1,795	8,455,927
HVAC Incentives	Equipment	92,743	87,427	91,581		32,037	19,060	19,552		59,437,670	32,841,283	33,923,592		70,650	404,121,713
Conservation Instant Coupon Booklet	Items	567,678	30,891	346,896		1,344	230	517		21,211,537	1,398,202	7,707,573		2,091	104,455,900
Bi-Annual Retailer Event	Items	952,149	1,060,901	944,772		1,681	1,480	1,184		29,387,468	26,781,674	17,179,841		4,345	232,254,579
Retailer Co-op	Items	152	0	0		0	0	0		2,652	0	0		0	10,607
Residential Demand Response	Devices	19,550	98,388	171,733		10,947	49,038	93,076		24,870	359,408	390,303		0	774,582
Residential Demand Response (IHD)	Devices	0	49,689	133,657		0	0	0		0	0	0		0	0
Residential New Construction	Homes	26	19	86		0	2	18		743	17,152	163,690		20	381,811
<b>Consumer Program Total</b>						<b>49,681</b>	<b>72,377</b>	<b>116,886</b>		<b>133,520,941</b>	<b>75,796,859</b>	<b>70,049,807</b>		<b>85,506</b>	<b>900,058,189</b>
<b>Business Program</b>															
Retrofit	Projects	2,819	6,134	8,785		24,467	61,147	59,678		136,002,258	314,922,468	345,346,008		142,831	2,168,497,702
Direct Install Lighting	Projects	20,741	18,691	17,782		23,724	15,284	18,708		61,076,701	57,345,798	64,315,558		49,886	519,693,356
Building Commissioning	Buildings	0	0	0		0	0	0		0	0	0		0	0
New Construction	Buildings	22	69	86		123	764	1,584		411,717	1,814,721	4,959,266		2,472	17,009,564
Energy Audit	Audits	198	345	319		0	1,450	2,811		0	7,049,351	15,455,795		4,261	52,059,644
Small Commercial Demand Response	Devices	132	294	1,211		84	187	773		157	1,068	373		0	1,597
Small Commercial Demand Response (IHD)	Devices	0	0	378		0	0	0		0	0	0		0	0
Demand Response 3	Facilities	145	151	175		16,218	19,389	23,706		633,421	281,823	346,659		0	1,261,903
<b>Business Program Total</b>						<b>64,617</b>	<b>98,221</b>	<b>107,261</b>		<b>198,124,253</b>	<b>381,415,230</b>	<b>430,423,659</b>		<b>199,449</b>	<b>2,758,523,766</b>
<b>Industrial Program</b>															
Process & System Upgrades	Projects	0	0	3		0	0	294		0	0	2,603,764		294	5,207,528
Monitoring & Targeting	Projects	0	0	0		0	0	0		0	0	0		0	0
Energy Manager	Projects	0	42	205		0	1,086	3,558		0	7,372,108	21,994,263		3,194	54,888,570
Retrofit	Projects	433	0	0		4,615	0	0		28,866,840	0	0		4,613	115,462,282
Demand Response 3	Facilities	124	185	281		52,484	74,056	162,543		3,080,737	1,784,712	4,309,160		0	9,174,609
<b>Industrial Program Total</b>						<b>57,098</b>	<b>75,141</b>	<b>166,395</b>		<b>31,947,577</b>	<b>9,156,820</b>	<b>28,907,187</b>		<b>8,101</b>	<b>184,732,989</b>
<b>Home Assistance Program</b>															
Home Assistance Program	Homes	46	5,033	26,756		2	566	2,361		39,283	5,442,232	20,987,275		2,904	57,949,913
<b>Home Assistance Program Total</b>						<b>2</b>	<b>566</b>	<b>2,361</b>		<b>39,283</b>	<b>5,442,232</b>	<b>20,987,275</b>		<b>2,904</b>	<b>57,949,913</b>
<b>Aboriginal Program</b>															
Home Assistance Program	Homes	0	0	584		0	0	267		0	0	1,609,393		267	3,218,786
Direct Install Lighting	Projects	0	0	0		0	0	0		0	0	0		0	0
<b>Aboriginal Program Total</b>						<b>0</b>	<b>0</b>	<b>267</b>		<b>0</b>	<b>0</b>	<b>1,609,393</b>		<b>267</b>	<b>3,218,786</b>
<b>Pre-2011 Programs completed in 2011</b>															
Electricity Retrofit Incentive Program	Projects	2,028	0	0		21,662	0	0		121,138,219	0	0		21,662	484,552,876
High Performance New Construction	Projects	179	69	4		5,098	3,251	772		26,185,591	11,901,944	3,522,240		9,121	147,492,677
Toronto Comprehensive	Projects	577	0	0		15,805	0	0		86,964,886	0	0		15,805	347,859,545
Multifamily Energy Efficiency Rebates	Projects	110	0	0		1,981	0	0		7,595,683	0	0		1,981	30,382,733
LDC Custom Programs	Projects	8	0	0		399	0	0		1,367,170	0	0		399	5,468,679
<b>Pre-2011 Programs completed in 2011 Total</b>						<b>44,945</b>	<b>3,251</b>	<b>772</b>		<b>243,251,550</b>	<b>11,901,944</b>	<b>3,522,240</b>		<b>48,967</b>	<b>1,015,756,510</b>
<b>Other</b>															
Program Enabled Savings	Projects	14	56	13		0	2,304	3,692		0	1,188,362	4,075,382		5,996	11,715,850
Time-of-Use Savings	Homes	0	0	0		0	0	0		0	0	0		0	0
<b>Other Total</b>						<b>0</b>	<b>2,304</b>	<b>3,692</b>		<b>0</b>	<b>1,188,362</b>	<b>4,075,382</b>		<b>5,996</b>	<b>11,715,850</b>
<b>Adjustments to 2011 Verified Results</b>															
<b>Adjustments to 2012 Verified Results</b>															
<b>Energy Efficiency Total</b>															
<b>Demand Response Total (Scenario 1)</b>															
<b>Adjustments to Previous Years' Verified Results Total</b>															
<b>OPA-Contracted LDC Portfolio Total (inc. Adjustments)</b>															
						<b>216,343</b>	<b>253,267</b>	<b>404,536</b>		<b>606,883,604</b>	<b>503,590,526</b>	<b>603,259,163</b>		<b>359,166</b>	<b>5,139,107,980</b>
Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).		The IHD line item on the 2013 annual report has been left blank pending a results update from evaluations; results will be updated once sufficient information is made available.								<b>Full OEB Target:</b>				<b>1,330,000</b>	<b>6,000,000,000</b>
*Includes adjustments after Final Reports were issued		Energy Manager, Aboriginal Program and Program Enabled Savings were not independently evaluated								<b>% of Full OEB Target Achieved to Date (Scenario 1):</b>				<b>27.0%</b>	<b>85.7%</b>

Table 7: Adjustments to Province-Wide Net Verified Results due to Variances

Initiative	Unit	Incremental Activity (new program activity occurring within the specified reporting period)				Net Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Net Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011*	2012*	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
<b>Consumer Program</b>													
Appliance Retirement	Appliances	0	0			0	0			0	0		
Appliance Exchange	Appliances	0	0			0	0			0	0		
HVAC Incentives	Equipment	-18,844	2,206			-5,271	452			-9,709,500	907,735		
Conservation Instant Coupon Booklet	Items	8,216	0			16	0			275,655	0		
Bi-Annual Retailer Event	Items	81,817	0			108	0			2,183,391	0		
Retailer Co-op	Items	0	0			0	0			0	0		
Residential Demand Response	Devices	0	0			0	0			0	0		
Residential Demand Response (IHD)	Devices	0	0			0	0			0	0		
Residential New Construction	Homes	19	0			1	0			13,767	0		
<b>Consumer Program Total</b>						<b>-5,146</b>	<b>452</b>			<b>-7,236,687</b>	<b>907,735</b>		
<b>Business Program</b>													
Retrofit	Projects	303	529			3,204	4,443			16,216,165	28,739,635		
Direct Install Lighting	Projects	444	197			501	204			1,250,388	736,541		
Building Commissioning	Buildings	0	0			0	0			0	0		
New Construction	Buildings	12	0			828	0			3,520,620	0		
Energy Audit	Audits	95	65			492	337			2,391,744	1,636,457		
Small Commercial Demand Response	Devices	0	0			0	0			0	0		
Small Commercial Demand Response (IHD)	Devices	0	0			0	0			0	0		
Demand Response 3	Facilities	0	0			0	0			0	0		
<b>Business Program Total</b>						<b>5,025</b>	<b>4,984</b>			<b>23,378,917</b>	<b>31,112,632</b>		
<b>Industrial Program</b>													
Process & System Upgrades	Projects	0	0			0	0			0	0		
Monitoring & Targeting	Projects	0	0			0	0			0	0		
Energy Manager	Projects	0	3			0	68			0	719,235		
Retrofit	Projects	0	0			0	0			0	0		
Demand Response 3	Facilities	0	0			0	0			0	0		
<b>Industrial Program Total</b>						<b>0</b>	<b>68</b>			<b>0</b>	<b>719,235</b>		
<b>Home Assistance Program</b>													
Home Assistance Program	Homes	0	0			0	0			0	0		
<b>Home Assistance Program Total</b>						<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>		
<b>Aboriginal Program</b>													
Home Assistance Program	Homes	0	0			0	0			0	0		
Direct Install Lighting	Projects	0	0			0	0			0	0		
<b>Aboriginal Program Total</b>						<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>		
<b>Pre-2011 Programs completed in 2011</b>													
Electricity Retrofit Incentive Program	Projects	12	0			138	0			545,536	0		
High Performance New Construction	Projects	34	0			1,407	0			2,065,200	0		
Toronto Comprehensive	Projects	0	0			0	0			0	0		
Multifamily Energy Efficiency Rebates	Projects	0	0			0	0			0	0		
LDC Custom Programs	Projects	0	0			0	0			0	0		
<b>Pre-2011 Programs completed in 2011 Total</b>						<b>1,545</b>	<b>0</b>			<b>2,610,736</b>	<b>0</b>		
<b>Other</b>													
Program Enabled Savings	Projects	14	40			624	824			1,673,712	9,927,473		
Time-of-Use Savings	Homes	0	0			0	0			0	0		
<b>Other Total</b>						<b>624</b>	<b>824</b>			<b>1,673,712</b>	<b>9,927,473</b>		
<b>Adjustments to 2011 Verified Results</b>						<b>2,047</b>				<b>20,426,678</b>			
<b>Adjustments to 2012 Verified Results</b>							<b>6,328</b>				<b>42,667,076</b>		
<b>Adjustments to Previous Years' Verified Results Total</b>						<b>2,047</b>	<b>6,328</b>			<b>20,426,678</b>	<b>42,667,076</b>		

Activity and savings for Demand Response resources for each year represent the savings from all resources for that year.

The IHD line item on the 2013 annual report has been left blank pending a results update from the IHD program.

Adjustments to previous years' results shown in this table will not align to adjustments shown in Table 6.



from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

evaluations; results will be updated once sufficient information is made available.

1 as the information presented above does not consider persistence of savings

**Table 8: Province-Wide Realization Rate & NTG**

Initiative	Peak Demand Savings								Energy Savings							
	Realization Rate				Net-to-Gross Ratio				Realization Rate				Net-to-Gross Ratio			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
<b>Consumer Program</b>																
Appliance Retirement	1.00	1.00	1.00		0.51	0.46	0.42		1.00	1.00	1.00		0.46	0.47	0.44	
Appliance Exchange	1.00	1.00	1.00		0.51	0.52	0.53		1.00	1.00	1.00		0.52	0.52	0.53	
HVAC Incentives	1.00	1.00	1.00		0.60	0.50	0.48		1.00	1.00	1.00		0.50	0.49	0.48	
Conservation Instant Coupon Booklet	1.00	1.00	1.00		1.14	1.00	1.11		1.00	1.00	1.00		1.00	1.05	1.13	
Bi-Annual Retailer Event	1.00	1.00	1.00		1.12	0.91	1.04		1.00	1.00	1.00		0.91	0.92	1.04	
Retailer Co-op	1.00	n/a	n/a		0.68	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Residential Demand Response	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Residential Demand Response (IHD)	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Residential New Construction	1.00	3.65	0.78		0.41	0.49	0.63		3.65	7.17	3.09		0.49	0.49	0.63	
<b>Business Program</b>																
Retrofit	1.06	0.93	0.92		0.72	0.75	0.73		0.93	1.05	1.01		0.75	0.76	0.73	
Direct Install Lighting	1.08	0.69	0.82		1.08	0.94	0.94		0.69	0.85	0.84		0.94	0.94	0.94	
Building Commissioning	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
New Construction	0.50	0.98	0.68		0.50	0.49	0.54		0.98	0.99	0.76		0.49	0.49	0.54	
Energy Audit	n/a	n/a	1.02		n/a	n/a	0.66		n/a	n/a	0.97		n/a	n/a	0.66	
Small Commercial Demand Response	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Small Commercial Demand Response (IHD)	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Demand Response 3	0.76	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
<b>Industrial Program</b>																
Process & System Upgrades	n/a	n/a	0.85		n/a	n/a	0.94		n/a	n/a	0.87		n/a	n/a	0.93	
Monitoring & Targeting	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Energy Manager	n/a	1.16	0.90		n/a	0.90	0.90		1.16	1.16	0.90		0.90	0.90	0.90	
Retrofit	1.11	n/a	n/a		0.72	n/a	n/a		0.91	n/a	n/a		0.75	n/a	n/a	
Demand Response 3	0.84	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
<b>Home Assistance Program</b>																
Home Assistance Program	1.00	0.32	0.26		0.70	1.00	1.00		0.32	0.99	0.88		1.00	1.00	1.00	
<b>Aboriginal Program</b>																
Home Assistance Program	n/a	n/a	0.05		n/a	n/a	1.00		n/a	n/a	0.95		n/a	n/a	1.00	
Direct Install Lighting	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
<b>Pre-2011 Programs completed in 2011</b>																
Electricity Retrofit Incentive Program	0.80	n/a	n/a		0.54	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
High Performance New Construction	1.00	1.00	1.00		0.49	0.50	0.50		1.00	1.00	1.00		0.50	0.50	0.50	
Toronto Comprehensive	1.13	n/a	n/a		0.50	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
Multifamily Energy Efficiency Rebates	0.93	n/a	n/a		0.78	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
LDC Custom Programs	1.00	n/a	n/a		1.00	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	
<b>Other</b>																
Program Enabled Savings	n/a	1.06	1.00		n/a	1.00	1.00		1.06	2.26	1.00		1.00	1.00	1.00	
Time-of-Use Savings	n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a		n/a	n/a	n/a	

Energy Manager, Aboriginal Program and Program Enabled Savings were not independently evaluated

## Summary Provincial Progress Towards CDM Targets

### Table 9: Province-Wide Net Peak Demand Savings at the End User Level (MW)

Implementation Period	Annual			
	2011	2012	2013	2014
2011	216.3	136.6	135.8	129.0
2012†	1.4	253.3	109.8	108.2
2013†	0.6	7.0	404.5	122.0
2014				
<b>Verified Net Annual Peak Demand Savings in 2014:</b>				<b>359.2</b>
<b>2014 Annual CDM Capacity Target:</b>				<b>1,330</b>
<b>Verified Portion of Peak Demand Savings Target Achieved in 2014 (%):</b>				<b>27.0%</b>

### Table 10: Province-Wide Net Energy Savings at the End-User Level (GWh)

Implementation Period	Annual				Cumulative
	2011	2012	2013	2014	2011-2014
2011	606.9	603.0	601.0	582.3	2,393.1
2012†	18.7	503.6	498.4	492.6	1,513.3
2013†	1.7	44.4	603.3	583.4	1,232.8
2014					
<b>Verified Net Cumulative Energy Savings 2011-2014:</b>					<b>5,139.1</b>
<b>2011-2014 Cumulative CDM Energy Target:</b>					<b>6,000</b>
<b>Verified Portion of Cumulative Energy Target Achieved in 2014 (%):</b>					<b>85.7%</b>

†Includes adjustments to previous Years' verified results

## METHODOLOGY

All results are at the end-user level (not including transmission and distribution losses)

EQUATIONS	
Prescriptive Measures and Projects	<p><b>Gross Savings = Activity * Per Unit Assumption</b>  <b>Net Savings = Gross Savings * Net-to-Gross Ratio</b>  <b>All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)</b></p>
Engineered and Custom Projects	<p><b>Gross Savings = Reported Savings * Realization Rate</b>  <b>Net Savings = Gross Savings * Net-to-Gross Ratio</b>  <b>All savings are annualized (i.e. the savings are the same regardless of time of year a project was completed or measure installed)</b></p>
Demand Response	<p><b>Peak Demand: Gross Savings = Net Savings = contracted MW at contributor level * Provincial contracted to ex ante ratio</b>  <b>Energy: Gross Savings = Net Savings = provincial ex post energy savings * LDC proportion of total provincial contracted MW</b>  <b>All savings are annualized (i.e. the savings are the same regardless of the time of year a participant began offering DR)</b></p>
Adjustments to Previous Years' Verified Results	<p>All variances from the Final Annual Results Reports from prior years will be adjusted within this report. Any variances with regards to projects counts, data lag, and calculations etc., will be made within this report. Considers the cumulative effect of energy savings.</p>

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
<b>Consumer Program</b>			
Appliance Retirement	Includes both retail and home pickup stream; Retail stream allocated based on average of 2008 & 2009 residential throughput; Home pickup stream directly attributed by postal code or customer selection.	Savings are considered to begin in the year the appliance is picked up.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Appliance Exchange	When postal code information is provided by customer, results are directly attributed to the LDC. When postal code is not available, results allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year that the exchange event occurred.	

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
HVAC Incentives	Results directly attributed to LDC based on customer postal code.	Savings are considered to begin in the year that the installation occurred.	
Conservation Instant Coupon Booklet	LDC-coded coupons directly attributed to LDC; Otherwise results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year in which the coupon was redeemed.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
Bi-Annual Retailer Event	Results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year in which the event occurs.	
Retailer Co-op	When postal code information is provided by the customer, results are directly attributed. If postal code information is not available, results are allocated based on average of 2008 & 2009 residential throughput.	Savings are considered to begin in the year of the home visit and installation date.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Residential Demand Response	Results are directly attributed to LDC based on data provided to OPA through project completion reports and continuing participant lists.	Savings are considered to begin in the year the device was installed and/or when a customer signed a peaksaver PLUS™ participant agreement.	Peak demand savings are based on an ex ante estimate assuming a 1 in 10 weather year and represents the "insurance value" of the initiative. Energy savings are based on an ex post estimate which reflects the savings that occurred as a result of activations in the year and accounts for any "snapback" in energy consumption experienced after the event. Savings are assumed to persist for only 1 year, reflecting that savings will only occur if the resource is activated.
Residential New Construction	Results are directly attributed to LDC based on LDC identified in application in the saveONenergy CRM system; Initiative was not evaluated in 2011, reported results are presented with forecast assumptions as per the business case.	Savings are considered to begin in the year of the project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumption multiplied by the uptake in the market (gross) taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
<b>Business Program</b>			
Efficiency: Equipment Replacement	Results are directly attributed to LDC based on LDC identified at the facility level in the saveONenergy CRM; Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see page for Building type to Sector mapping.	Savings are considered to begin in the year of the actual project completion date on the iCON CRM system.	Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON CRM system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
	Additional Note: project counts were derived by filtering out invalid statuses (e.g. Post-Project Submission - Payment denied by LDC) and only including projects with an "Actual Project Completion Date" in 2013)		
Direct Installed Lighting	Results are directly attributed to LDC based on the LDC specified on the work order.	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined using the verified measure level per unit assumptions multiplied by the uptake of each measure accounting for the realization rate for both peak demand and energy to reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings take into account net-to-gross factors such as free-ridership and spillover for both peak demand and energy savings at the program level (net).
Existing Building Commissioning Incentive	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011 or 2012.	Savings are considered to begin in the year of the actual project completion date.	Peak demand and energy savings are determined by the total savings for a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
New Construction and Major Renovation Incentive	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the actual project completion date.	



Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Energy Audit	Projects are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year of the audit date.	Peak demand and energy savings are determined by the total savings resulting from an audit as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
Commercial Demand Response (part of the Residential program schedule)	Results are directly attributed to LDC based on data provided to OPA through project completion reports and continuing participant lists	Savings are considered to begin in the year the device was installed and/or when a customer signed a peaksaver PLUS™ participant agreement.	Peak demand savings are based on an ex ante estimate assuming a 1 in 10 weather year and represents the "insurance value" of the initiative. Energy savings are based on an ex post estimate which reflects the savings that occurred as a result of activations in the year. Savings are assumed to persist for only 1 year, reflecting that savings will only occur if the resource is activated.
Demand Response 3 (part of the Industrial program schedule)	Results are attributed to LDCs based on the total contracted megawatts at the contributor level as of December 31st, applying the provincial ex ante to contracted ratio (ex ante estimate/contracted megawatts); Ex post energy savings are attributed to the LDC based on their proportion of the total contracted megawatts at the contributor level.	Savings are considered to begin in the year in which the contributor signed up to participate in demand response.	Peak demand savings are ex ante estimates based on the load reduction capability that can be expected for the purposes of planning. The ex ante estimates factor in both scheduled non-performances (i.e. maintenance) and historical performance. Energy savings are based on an ex post estimate which reflects the savings that actually occurred as a results of activations in the year. Savings are assumed to persist for 1 year, reflecting that savings will not occur if the resource is not activated and additional costs are incurred to activate the resource.
<b>Industrial Program</b>			

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Process & System Upgrades	Results are directly attributed to LDC based on LDC identified in application.	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
Monitoring & Targeting	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated, no completed projects in 2011, 2012 or 2013.	Savings are considered to begin in the year in which the incentive project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).
Energy Manager	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the project was completed by the energy manager. If no date is specified the savings will begin the year of the Quarterly Report submitted by the energy manager.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net).

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
<p>Efficiency: Equipment Replacement Incentive (part of the C&amp;I program schedule)</p>	<p>Results are directly attributed to LDC based on LDC identified at the facility level in the saveONenergy CRM; Projects in the Application Status: "Post-Stage Submission" are included (excluding "Payment denied by LDC"); Please see "Reference Tables" tab for Building type to Sector mapping.</p>	<p>Savings are considered to begin in the year of the actual project completion date on the iCON CRM system.</p>	<p>Peak demand and energy savings are determined by the total savings for a given project as reported in the iCON CRM system (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&amp;V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). Both realization rate and net-to-gross ratios can differ for energy and demand savings and depend on the mix of projects within an LDC territory (i.e. lighting or non-lighting project, engineered/custom/prescriptive track).</p>
<p>Demand Response 3</p>	<p>Results are attributed to LDCs based on the total contracted megawatts at the contributor level as of December 31st, applying the provincial ex ante to contracted ratio (ex ante estimate/contracted megawatts); Ex post energy savings are attributed to the LDC based on their proportion of the total contracted megawatts at the contributor level.</p>	<p>Savings are considered to begin in the year in which the contributor signed up to participate in demand response.</p>	<p>Peak demand savings are ex ante estimates based on the load reduction capability that can be expected for the purposes of planning. The ex ante estimates factor in both scheduled non-performances (i.e. maintenance) and historical performance. Energy savings are based on an ex post estimate which reflects the savings that actually occurred as a results of activations in the year. Savings are assumed to persist for 1 year, reflecting that savings will not occur if the resource is not activated and additional costs are incurred to activate the resource.</p>

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
<b>Home Assistance Program</b>			
Home Assistance Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the measures were installed.	Peak demand and energy savings are determined using the measure level per unit assumption multiplied by the uptake of each measure (gross), taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.
<b>Aboriginal Program</b>			
Aboriginal Program	Results are directly attributed to LDC based on LDC identified in the application.	Savings are considered to begin in the year in which the measures were installed.	Peak demand and energy savings are determined using the measure level per unit assumption multiplied by the uptake of each measure (gross), taking into account net-to-gross factors such as free-ridership and spillover (net) at the measure level.

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
<b>Pre-2011 Programs completed in 2011</b>			
Electricity Retrofit Incentive Program	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011, 2012 or 2013 assumptions as per 2010 evaluation.	Savings are considered to begin in the year in which a project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported. A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). If energy savings are not available, an estimate is made based on the kWh to kW ratio in the provincial results from the 2010 evaluated results ( <a href="http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports">http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports</a> ).
High Performance New Construction	Results are directly attributed to LDC based on customer data provided to the OPA from Enbridge; Initiative was not evaluated in 2011, 2012 or 2013, assumptions as per 2010 evaluation.	Savings are considered to begin in the year in which a project was completed.	
Toronto Comprehensive	Program run exclusively in Toronto Hydro-Electric System Limited service territory; Initiative was not evaluated in 2011, 2012 or 2013, assumptions as per 2010 evaluation.	Savings are considered to begin in the year in which a project was completed.	

Initiative	Attributing Savings to LDCs	Savings 'start' Date	Calculating Resource Savings
Multifamily Energy Efficiency Rebates	Results are directly attributed to LDC based on LDC identified in the application; Initiative was not evaluated in 2011, 2012 or 2013, assumptions as per 2010 evaluation.	Savings are considered to begin in the year in which a project was completed.	Peak demand and energy savings are determined by the total savings from a given project as reported (reported). A realization rate is applied to the reported savings to ensure that these savings align with EM&V protocols and reflect the savings that were actually realized (i.e. how many light bulbs were actually installed vs. what was reported) (gross). Net savings takes into account net-to-gross factors such as free-ridership and spillover (net). If energy savings are not available, an estimate is made based on the kWh to kW ratio in the provincial results from the 2010 evaluated results ( <a href="http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports">http://www.powerauthority.on.ca/evaluation-measurement-and-verification/evaluation-reports</a> ).
Data Centre Incentive Program	Program run exclusively in PowerStream Inc. service territory; Initiative was not evaluated in 2011, assumptions as per 2009 evaluation.		
EnWin Green Suites	Program run exclusively in ENWIN Utilities Ltd. service territory; Initiative was not evaluated in 2011 or 2012, assumptions as per 2010 evaluation.		

### Retrofit Sector (C&I vs. Industrial Mapping)

Building Type	Sector
Agribusiness - Cattle Farm	C&I
Agribusiness - Dairy Farm	C&I
Agribusiness - Greenhouse	C&I
Agribusiness - Other	C&I
Agribusiness - Other,Mixed-Use - Office/Retail	C&I
Agribusiness - Other,Office,Retail,Warehouse	C&I
Agribusiness - Other,Office,Warehouse	C&I
Agribusiness - Poultry	C&I
Agribusiness - Poultry,Hospitality - Motel	C&I
Agribusiness - Swine	C&I
Convenience Store	C&I
Education - College / Trade School	C&I
Education - College / Trade School,Multi-Residential - Condominium	C&I
Education - College / Trade School,Multi-Residential - Rental Apartment	C&I
Education - College / Trade School,Retail	C&I
Education - Primary School	C&I
Education - Primary School,Education - Secondary School	C&I
Education - Primary School,Multi-Residential - Rental Apartment	C&I
Education - Primary School,Not-for-Profit	C&I
Education - Secondary School	C&I
Education - University	C&I
Education - University,Office	C&I
Hospital/Healthcare - Clinic	C&I
Hospital/Healthcare - Clinic,Hospital/Healthcare - Long-term Care,Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Clinic,Industrial	C&I
Hospital/Healthcare - Clinic,Retail	C&I
Hospital/Healthcare - Long-term Care	C&I
Hospital/Healthcare - Long-term Care,Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Medical Building	C&I
Hospital/Healthcare - Medical Building,Mixed-Use - Office/Retail	C&I
Hospital/Healthcare - Medical Building,Mixed-Use - Office/Retail,Office	C&I
Hospitality - Hotel	C&I
Hospitality - Hotel,Restaurant - Dining	C&I
Hospitality - Motel	C&I
Industrial	Industrial
Mixed-Use - Office/Retail	C&I
Mixed-Use - Office/Retail,Industrial	Industrial
Mixed-Use - Office/Retail,Mixed-Use - Other	C&I
Mixed-Use - Office/Retail,Mixed-Use - Other,Not-for-Profit,Warehouse	C&I
Mixed-Use - Office/Retail,Mixed-Use - Residential/Retail	C&I
Mixed-Use - Office/Retail,Office,Restaurant - Dining,Restaurant - Quick Serve,Retail,Warehouse	C&I

Mixed-Use - Office/Retail,Office,Warehouse	C&I
Mixed-Use - Office/Retail,Retail	C&I
Mixed-Use - Office/Retail,Warehouse	C&I
Mixed-Use - Office/Retail,Warehouse,Industrial	Industrial
Mixed-Use - Other	C&I
Mixed-Use - Other,Industrial	Industrial
Mixed-Use - Other,Not-for-Profit,Office	C&I
Mixed-Use - Other,Office	C&I
Mixed-Use - Other,Other: Please specify	C&I
Mixed-Use - Other,Retail,Warehouse	C&I
Mixed-Use - Other,Warehouse	C&I
Mixed-Use - Residential/Retail	C&I
Mixed-Use - Residential/Retail,Multi-Residential - Condominium	C&I
Mixed-Use - Residential/Retail,Multi-Residential - Rental Apartment	C&I
Mixed-Use - Residential/Retail,Retail	C&I
Multi-Residential - Condominium	C&I
Multi-Residential - Condominium,Multi-Residential - Rental Apartment	C&I
Multi-Residential - Condominium,Other: Please specify	C&I
Multi-Residential - Rental Apartment	C&I
Multi-Residential - Rental Apartment,Multi-Residential - Social Housing Provider,Not-for-Profit	C&I
Multi-Residential - Rental Apartment,Not-for-Profit	C&I
Multi-Residential - Rental Apartment,Warehouse	C&I
Multi-Residential - Social Housing Provider	C&I
Multi-Residential - Social Housing Provider,Industrial	C&I
Multi-Residential - Social Housing Provider,Not-for-Profit	C&I
Not-for-Profit	C&I
Not-for-Profit,Office	C&I
Not-for-Profit,Other: Please specify	C&I
Not-for-Profit,Warehouse	C&I
Office	C&I
Office,Industrial	Industrial
Office,Other: Please specify	C&I
Office,Other: Please specify,Warehouse	C&I
Office,Restaurant - Dining	C&I
Office,Restaurant - Dining,Industrial	Industrial
Office,Retail	C&I
Office,Retail,Industrial	C&I
Office,Retail,Warehouse	C&I
Office,Warehouse	C&I
Office,Warehouse,Industrial	Industrial
Other: Please specify	C&I
Other: Please specify,Industrial	Industrial
Other: Please specify,Retail	C&I
Other: Please specify,Warehouse	C&I
Restaurant - Dining	C&I
Restaurant - Dining,Retail	C&I



Restaurant - Quick Serve	C&I
Restaurant - Quick Serve,Retail	C&I
Retail	C&I
Retail,Industrial	Industrial
Retail,Warehouse	C&I
Warehouse	C&I
Warehouse,Industrial	Industrial

### Consumer Program Allocation Methodology

Results can be allocated based on average of 2008 & 2009 residential throughput for each LDC (below) when additional information is not available. Source: OEB Yearbook Data 2008 & 2009

Local Distribution Company	Allocation
Algoma Power Inc.	0.2%
Atikokan Hydro Inc.	0.0%
Attawapiskat Power Corporation	0.0%
Bluewater Power Distribution Corporation	0.6%
Brant County Power Inc.	0.2%
Brantford Power Inc.	0.7%
Burlington Hydro Inc.	1.4%
Cambridge and North Dumfries Hydro Inc.	1.0%
Canadian Niagara Power Inc.	0.5%
Centre Wellington Hydro Ltd.	0.1%
Chapleau Public Utilities Corporation	0.0%
COLLUS Power Corporation	0.3%
Cooperative Hydro Embrun Inc.	0.0%
E.L.K. Energy Inc.	0.2%
Enersource Hydro Mississauga Inc.	3.9%
ENTEGRUS	0.6%
ENWIN Utilities Ltd.	1.6%
Erie Thames Powerlines Corporation	0.4%
Espanola Regional Hydro Distribution Corporation	0.1%
Essex Powerlines Corporation	0.7%
Festival Hydro Inc.	0.3%
Fort Albany Power Corporation	0.0%
Fort Frances Power Corporation	0.1%
Greater Sudbury Hydro Inc.	1.0%
Grimsby Power Inc.	0.2%
Guelph Hydro Electric Systems Inc.	0.9%
Haldimand County Hydro Inc.	0.4%
Halton Hills Hydro Inc.	0.5%
Hearst Power Distribution Company Limited	0.1%
Horizon Utilities Corporation	4.0%
Hydro 2000 Inc.	0.0%
Hydro Hawkesbury Inc.	0.1%
Hydro One Brampton Networks Inc.	2.8%
Hydro One Networks Inc.	30.0%

Hydro Ottawa Limited	5.6%
Innisfil Hydro Distribution Systems Limited	0.4%
Kashechewan Power Corporation	0.0%
Kenora Hydro Electric Corporation Ltd.	0.1%
Kingston Hydro Corporation	0.5%
Kitchener-Wilmot Hydro Inc.	1.6%
Lakefront Utilities Inc.	0.2%
Lakeland Power Distribution Ltd.	0.2%
London Hydro Inc.	2.7%
Middlesex Power Distribution Corporation	0.1%
Midland Power Utility Corporation	0.1%
Milton Hydro Distribution Inc.	0.6%
Newmarket - Tay Power Distribution Ltd.	0.7%
Niagara Peninsula Energy Inc.	1.0%
Niagara-on-the-Lake Hydro Inc.	0.2%
Norfolk Power Distribution Inc.	0.3%
North Bay Hydro Distribution Limited	0.5%
Northern Ontario Wires Inc.	0.1%
Oakville Hydro Electricity Distribution Inc.	1.5%
Orangeville Hydro Limited	0.2%
Orillia Power Distribution Corporation	0.3%
Oshawa PUC Networks Inc.	1.2%
Ottawa River Power Corporation	0.2%
Parry Sound Power Corporation	0.1%
Peterborough Distribution Incorporated	0.7%
PowerStream Inc.	6.6%
PUC Distribution Inc.	0.9%
Renfrew Hydro Inc.	0.1%
Rideau St. Lawrence Distribution Inc.	0.1%
Sioux Lookout Hydro Inc.	0.1%
St. Thomas Energy Inc.	0.3%
Thunder Bay Hydro Electricity Distribution Inc.	0.9%
Tillsonburg Hydro Inc.	0.1%
Toronto Hydro-Electric System Limited	12.8%
Veridian Connections Inc.	2.4%
Wasaga Distribution Inc.	0.2%
Waterloo North Hydro Inc.	1.0%
Welland Hydro-Electric System Corp.	0.4%
Wellington North Power Inc.	0.1%
West Coast Huron Energy Inc.	0.1%
Westario Power Inc.	0.5%
Whitby Hydro Electric Corporation	0.9%
Woodstock Hydro Services Inc.	0.3%

## Reporting Glossary

**Annual:** the peak demand or energy savings that occur in a given year (includes resource savings from new program activity in a given year and resource savings persisting from previous years).

**Cumulative Energy Savings:** represents the sum of the annual energy savings that accrue over a defined period (in the context of this report the defined period is 2011 - 2014). This concept does not apply to peak demand savings.

**End-User Level:** resource savings in this report are measured at the customer level as opposed to the generator level (the difference being line losses).

**Free-ridership:** the percentage of participants who would have implemented the program measure or practice in the absence of the program.

**Incremental:** the new resource savings attributable to activity procured in a particular reporting period based on when the savings are considered to 'start'.

**Initiative:** a Conservation & Demand Management offering focusing on a particular opportunity or customer end-use (i.e. Retrofit, Fridge & Freezer Pickup).

**Net-to-Gross Ratio:** The ratio of net savings to gross savings, which takes into account factors such as free-ridership and spillover

**Net Energy Savings (MWh):** energy savings attributable to conservation and demand management activities net of free-riders, etc.

**Net Peak Demand Savings (MW):** peak demand savings attributable to conservation and demand management activities net of free-riders, etc.

**Program:** a group of initiatives that target a particular market sector (e.g. Consumer, Industrial).

**Realization Rate:** A comparison of observed or measured (evaluated) information to original reported savings which is used to adjust the gross savings estimates.

**Settlement Account:** the grouping of demand response facilities (contributors) into one contractual agreement

**Spillover:** Reductions in energy consumption and/or demand caused by the presence of the energy efficiency program, beyond the program-related gross savings of the participants. There can be participant and/or non-participant spillover.

**Unit:** for a specific initiative the relevant type of activity acquired in the market place (i.e. appliances picked up, projects completed, coupons redeemed).

Table 11: Kingston Hydro Corporation Initiative and Program Level Gross Savings by Year

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
<b>Consumer Program</b>									
Appliance Retirement**	Appliances	21	5	7		149,910	36,436	41,013	
Appliance Exchange**	Appliances	4	9	3		5,133	16,002	4,913	
HVAC Incentives	Equipment	198	108	80		387,439	196,491	148,039	
Conservation Instant Coupon Booklet	Items	5	1	2		89,538	6,648	34,305	
Bi-Annual Retailer Event	Items	8	8	6		134,867	146,513	82,433	
Retailer Co-op	Items	0	0	0		0	0	0	
Residential Demand Response	Devices	0	0	0		0	0	0	
Residential Demand Response (IHD)	Devices	0	0	0		0	0	0	
Residential New Construction	Homes	0	0	0		0	0	0	
<b>Consumer Program Total</b>		<b>236</b>	<b>131</b>	<b>98</b>		<b>766,888</b>	<b>402,089</b>	<b>310,704</b>	
<b>Business Program</b>									
Retrofit	Projects	525	628	325		2,792,968	3,762,095	7,689,168	
Direct Install Lighting	Projects	98	319	68		284,722	1,133,023	236,189	
Building Commissioning	Buildings	0	0	0		0	0	0	
New Construction	Buildings	0	2	40		0	3,878	108,893	
Energy Audit	Audits	0	26	27		0	125,881	146,621	
Small Commercial Demand Response	Devices	0	0	0		0	0	0	
Small Commercial Demand Response (IHD)	Devices	0	0	0		0	0	0	
Demand Response 3	Facilities	4,018	4,030	3,894		156,889	58,581	52,002	
<b>Business Program Total</b>		<b>4,642</b>	<b>5,005</b>	<b>4,354</b>		<b>3,234,580</b>	<b>5,083,458</b>	<b>8,232,873</b>	
<b>Industrial Program</b>									
Process & System Upgrades	Projects	0	0	0		0	0	0	
Monitoring & Targeting	Projects	0	0	0		0	0	0	
Energy Manager	Projects	0	0	0		0	0	0	
Retrofit	Projects	0	0	0		0	0	0	
Demand Response 3	Facilities	0	349	326		0	8,416	7,412	
<b>Industrial Program Total</b>		<b>0</b>	<b>349</b>	<b>326</b>		<b>0</b>	<b>8,416</b>	<b>7,412</b>	
<b>Home Assistance Program</b>									
Home Assistance Program	Homes	0	36	27		0	49,691	272,016	
<b>Home Assistance Program Total</b>		<b>0</b>	<b>36</b>	<b>27</b>		<b>0</b>	<b>49,691</b>	<b>272,016</b>	
<b>Aboriginal Program</b>									
Home Assistance Program	Homes	0	0	0		0	0	0	
Direct Install Lighting	Projects	0	0	0		0	0	0	
<b>Aboriginal Program Total</b>		<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	
<b>Pre-2011 Programs completed in 2011</b>									
Electricity Retrofit Incentive Program	Projects	23	0	0		143,411	0	0	
High Performance New Construction	Projects	129	181	0		662,086	654,451	0	
Toronto Comprehensive	Projects	0	0	0		0	0	0	
Multifamily Energy Efficiency Rebates	Projects	0	0	0		0	0	0	
LDC Custom Programs	Projects	0	0	0		0	0	0	
<b>Pre-2011 Programs completed in 2011 Total</b>		<b>152</b>	<b>181</b>	<b>0</b>		<b>805,497</b>	<b>654,451</b>	<b>0</b>	
<b>Other</b>									
Program Enabled Savings	Projects	0	0	0		0	0	0	
Time-of-Use Savings	Homes	0	0	0		0	0	0	
<b>Other Total</b>		<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	
<b>Adjustments to 2011 Verified Results</b>									
		0	286	0		0	26,117	0	
<b>Adjustments to 2012 Verified Results</b>									
		0	0	55		0	0	159,148	
<b>Energy Efficiency Total</b>		<b>1,011</b>	<b>1,323</b>	<b>584</b>		<b>4,650,075</b>	<b>6,131,109</b>	<b>8,763,591</b>	
<b>Demand Response Total</b>		<b>4,018</b>	<b>4,379</b>	<b>4,220</b>		<b>156,889</b>	<b>66,996</b>	<b>59,414</b>	
<b>Adjustments to Previous Years' Verified Results Total</b>		<b>0</b>	<b>286</b>	<b>55</b>		<b>0</b>	<b>26,117</b>	<b>159,148</b>	
<b>OPA-Contracted LDC Portfolio Total (inc. Adjustments)</b>		<b>5,029</b>	<b>5,988</b>	<b>4,859</b>		<b>4,806,965</b>	<b>6,224,223</b>	<b>8,982,153</b>	

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

The IHD line item on the 2013 annual report has been left blank pending a results update from evaluations; results will be updated once sufficient information is made available.

Adjustments to previous years' results shown in this table will not align to adjustments shown in Table 1 as the information presented above does not consider persistence of savings

Gross results are presented for informational purposes only and are not considered official 2013 Final Verified Results  
\*\*Net results substituted for gross results due to unavailability of data

Table 12: Adjustments to Kingston Hydro Corporation Gross Verified Results due to Variances

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
<b>Consumer Program</b>									
Appliance Retirement	Appliances	0	0			0	0		
Appliance Exchange	Appliances	0	0			0	0		
HVAC Incentives	Equipment	-40	4			-77,308	7,423		
Conservation Instant Coupon Booklet	Items	0	0			1,283	0		
Bi-Annual Retailer Event	Items	1	0			11,901	0		
Retailer Co-op	Items	0	0			0	0		
Residential Demand Response	Devices	0	0			0	0		
Residential Demand Response (IHD)	Devices	0	0			0	0		
Residential New Construction	Homes	0	0			0	0		
<b>Consumer Program Total</b>		<b>-39</b>	<b>4</b>			<b>-64,124</b>	<b>7,423</b>		
<b>Business Program</b>									
Retrofit	Projects	5	20			18,932	31,894		
Direct Install Lighting	Projects	6	21			17,079	69,479		
Building Commissioning	Buildings	0	0			0	0		
New Construction	Buildings	2	0			3,878	0		
Energy Audit	Audits	10	10			50,353	50,353		
Small Commercial Demand Response	Devices	0	0			0	0		
Small Commercial Demand Response (IHD)	Devices	0	0			0	0		
Demand Response 3	Facilities	0	0			0	0		
<b>Business Program Total</b>		<b>23</b>	<b>51</b>			<b>90,241</b>	<b>151,725</b>		
<b>Industrial Program</b>									
Process & System Upgrades	Projects	0	0			0	0		
Monitoring & Targeting	Projects	0	0			0	0		
Energy Manager	Projects	0	0			0	0		
Retrofit	Projects	0	0			0	0		
Demand Response 3	Facilities	0	0			0	0		
<b>Industrial Program Total</b>		<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>		
<b>Home Assistance Program</b>									
Home Assistance Program	Homes	0	0			0	0		
<b>Home Assistance Program Total</b>		<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>		
<b>Aboriginal Program</b>									
Home Assistance Program	Homes	0	0			0	0		
Direct Install Lighting	Projects	0	0			0	0		
<b>Aboriginal Program Total</b>		<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>		
<b>Pre-2011 Programs completed in 2011</b>									
Electricity Retrofit Incentive Program	Projects	0	0			0	0		
High Performance New Construction	Projects	302	0			0	0		
Toronto Comprehensive	Projects	0	0			0	0		
Multifamily Energy Efficiency Rebates	Projects	0	0			0	0		
LDC Custom Programs	Projects	0	0			0	0		
<b>Pre-2011 Programs completed in 2011 Total</b>		<b>302</b>	<b>0</b>			<b>0</b>	<b>0</b>		
<b>Other</b>									
Program Enabled Savings	Projects	0	0			0	0		
Time-of-Use Savings	Homes	0	0			0	0		
<b>Other Total</b>		<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>		
<b>Adjustments to 2011 Verified Results</b>		<b>286</b>				<b>26,117</b>			
<b>Adjustments to 2012 Verified Results</b>			<b>55</b>				<b>159,148</b>		
<b>Total Adjustments to Previous Years' Verified Results</b>		<b>286</b>	<b>55</b>			<b>26,117</b>	<b>159,148</b>		

Activity and savings for Demand Response resources for each year represent the

The IHD line item on the 2013 annual report has been left blank pending a results update

Gross results are presented for informational purposes only and

savings from all active facilities or devices contracted since January 1, 2011  
(reported cumulatively).

from evaluations; results will be updated once sufficient information is made available.

*are not considered official 2013 Final Verified Results*

Table 13: Province-Wide Initiatives and Program Level Gross Savings by Year

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
<b>Consumer Program</b>									
Appliance Retirement**	Appliances	6,750	2,011	3,151		45,971,627	13,424,518	18,616,239	
Appliance Exchange**	Appliances	719	556	2,101		873,531	974,621	3,746,106	
HVAC Incentives	Equipment	53,209	38,346	40,418		99,413,430	66,929,213	71,225,037	
Conservation Instant Coupon Booklet	Items	1,184	231	464		19,192,453	1,325,898	6,842,244	
Bi-Annual Retailer Event	Items	1,504	1,622	1,142		26,899,265	29,222,072	16,441,329	
Retailer Co-op	Items	0	0	0		3,917	0	0	
Residential Demand Response	Devices	10,390	49,038	93,076		23,597	359,408	390,303	
Residential Demand Response (IHD)	Devices	0	0	0		0	0	0	
Residential New Construction	Homes	0	1	29		1,813	4,884	259,826	
<b>Consumer Program Total</b>		<b>73,757</b>	<b>91,805</b>	<b>140,380</b>		<b>192,379,633</b>	<b>112,240,615</b>	<b>117,521,084</b>	
<b>Business Program</b>									
Retrofit	Projects	34,201	78,965	82,896		184,070,265	387,817,248	478,410,896	
Direct Install Lighting	Projects	22,155	20,469	19,807		65,777,197	68,896,046	68,140,249	
Building Commissioning	Buildings	0	0	0		0	0	0	
New Construction	Buildings	247	1,596	2,934		823,434	3,755,869	9,183,826	
Energy Audit	Audits	0	1,450	4,283		0	7,049,351	23,386,108	
Small Commercial Demand Response	Devices	55	187	773		131	1,068	373	
Small Commercial Demand Response (IHD)	Devices	0	0	0		0	0	0	
Demand Response 3	Facilities	21,390	19,389	23,706		633,421	281,823	346,659	
<b>Business Program Total</b>		<b>78,048</b>	<b>122,056</b>	<b>134,399</b>		<b>251,304,448</b>	<b>467,801,406</b>	<b>579,468,111</b>	
<b>Industrial Program</b>									
Process & System Upgrades	Projects	0	0	313		0	0	2,799,746	
Monitoring & Targeting	Projects	0	0	0		0	0	0	
Energy Manager	Projects	0	1,034	3,953		0	7,067,535	24,438,070	
Retrofit	Projects	6,372	0	0		38,412,408	0	0	
Demand Response 3	Facilities	176,180	74,056	162,543		4,243,958	1,784,712	4,309,160	
<b>Industrial Program Total</b>		<b>182,552</b>	<b>75,090</b>	<b>166,809</b>		<b>42,656,366</b>	<b>8,852,247</b>	<b>31,546,976</b>	
<b>Home Assistance Program</b>									
Home Assistance Program	Homes	4	1,777	2,361		56,119	5,524,230	20,987,275	
<b>Home Assistance Program Total</b>		<b>4</b>	<b>1,777</b>	<b>2,361</b>		<b>56,119</b>	<b>5,524,230</b>	<b>20,987,275</b>	
<b>Aboriginal Program</b>									
Home Assistance Program	Homes	0	0	267		0	0	1,609,393	
Direct Install Lighting	Projects	0	0	0		0	0	0	
<b>Aboriginal Program Total</b>		<b>0</b>	<b>0</b>	<b>267</b>		<b>0</b>	<b>0</b>	<b>1,609,393</b>	
<b>Pre-2011 Programs completed in 2011</b>									
Electricity Retrofit Incentive Program	Projects	40,418	0	0		223,956,390	0	0	
High Performance New Construction	Projects	10,197	6,501	772		52,371,183	23,803,888	3,522,240	
Toronto Comprehensive	Projects	33,467	0	0		174,070,574	0	0	
Multifamily Energy Efficiency Rebates	Projects	2,553	0	0		9,774,792	0	0	
LDC Custom Programs	Projects	534	0	0		649,140	0	0	
<b>Pre-2011 Programs completed in 2011 Total</b>		<b>87,169</b>	<b>6,501</b>	<b>772</b>		<b>460,822,079</b>	<b>23,803,888</b>	<b>3,522,240</b>	
<b>Other</b>									
Program Enabled Savings	Projects	0	2,177	3,692		0	525,011	4,075,382	
Time-of-Use Savings	Homes	0	0	0		0	0	0	
<b>Other Total</b>		<b>0</b>	<b>2,177</b>	<b>3,692</b>		<b>0</b>	<b>525,011</b>	<b>4,075,382</b>	
<b>Adjustments to 2011 Verified Results</b>			<b>13,266</b>	<b>645</b>			<b>48,705,294</b>	<b>1,744,645</b>	
<b>Adjustments to 2012 Verified Results</b>				<b>8,707</b>				<b>55,101,043</b>	
<b>Energy Efficiency Total</b>		<b>213,515</b>	<b>156,735</b>	<b>168,583</b>		<b>942,317,539</b>	<b>616,320,385</b>	<b>753,683,966</b>	
<b>Demand Response Total</b>		<b>208,015</b>	<b>142,670</b>	<b>280,099</b>		<b>4,901,107</b>	<b>2,427,011</b>	<b>5,046,495</b>	
<b>Adjustments to Previous Years' Verified Results Total</b>		<b>0</b>	<b>13,266</b>	<b>9,352</b>		<b>0</b>	<b>48,705,294</b>	<b>56,845,688</b>	
<b>OPA-Contracted LDC Portfolio Total (inc. Adjustments)</b>		<b>421,530</b>	<b>312,671</b>	<b>458,033</b>		<b>947,218,646</b>	<b>667,452,690</b>	<b>815,576,149</b>	

Activity and savings for Demand Response resources for each year represent the savings from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

The IHD line item on the 2013 annual report has been left blank pending a results update from evaluations; results will be updated once sufficient information is

Adjustments to previous years' results shown in this table will not align to adjustments shown in Table 1 as the information presented above does not consider persistence of savings

Gross results are presented for informational purposes only and are not considered official 2013 Final Verified Results  
\*\*Net results substituted for gross results due to unavailability of data

Table 14: Adjustments to Province-Wide Gross Verified Results due to Variances

Initiative	Unit	Gross Incremental Peak Demand Savings (kW) (new peak demand savings from activity within the specified reporting period)				Gross Incremental Energy Savings (kWh) (new energy savings from activity within the specified reporting period)			
		2011	2012	2013	2014	2011	2012	2013	2014
<b>Consumer Program</b>									
Appliance Retirement	Appliances	0	0			0	0		
Appliance Exchange	Appliances	0	0			0	0		
HVAC Incentives	Equipment	-8,762	1,036			-16,245,279	1,854,833		
Conservation Instant Coupon Booklet	Items	15	0			255,975	0		
Bi-Annual Retailer Event	Items	117	0			2,373,616	0		
Retailer Co-op	Items	0	0			0	0		
Residential Demand Response	Devices	0	0			0	0		
Residential Demand Response (IHD)	Devices	0	0			0	0		
Residential New Construction	Homes	0	0			328,256	0		
<b>Consumer Program Total</b>		<b>-8,630</b>	<b>1,036</b>			<b>-13,287,430</b>	<b>1,854,833</b>		
<b>Business Program</b>									
Retrofit	Projects	4,504	6,218			22,046,931	40,101,273		
Direct Install Lighting	Projects	541	217			1,346,618	781,858		
Building Commissioning	Buildings	0	0			0	0		
New Construction	Buildings	3,243	0			11,323,593	0		
Energy Audit	Audits	492	337			2,391,744	1,636,457		
Small Commercial Demand Response	Devices	0	0			0	0		
Small Commercial Demand Response (IHD)	Devices	0	0			0	0		
Demand Response 3	Facilities	0	0			0	0		
<b>Business Program Total</b>		<b>8,780</b>	<b>6,771</b>			<b>37,108,886</b>	<b>42,519,588</b>		
<b>Industrial Program</b>									
Process & System Upgrades	Projects	0	0			0	0		
Monitoring & Targeting	Projects	0	0			0	0		
Energy Manager	Projects	0	75			0	799,151		
Retrofit	Projects	0	0			0	0		
Demand Response 3	Facilities	0	0			0	0		
<b>Industrial Program Total</b>		<b>0</b>	<b>75</b>			<b>0</b>	<b>799,151</b>		
<b>Home Assistance Program</b>									
Home Assistance Program	Homes	0	0			0	0		
<b>Home Assistance Program Total</b>		<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>		
<b>Aboriginal Program</b>									
Home Assistance Program	Homes	0	0			0	0		
Direct Install Lighting	Projects	0	0			0	0		
<b>Aboriginal Program Total</b>		<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>		
<b>Pre-2011 Programs completed in 2011</b>									
Electricity Retrofit Incentive Program	Projects	266	0			1,049,108	0		
High Performance New Construction	Projects	12,872	0			23,905,663	0		
Toronto Comprehensive	Projects	0	0			0	0		
Multifamily Energy Efficiency Rebates	Projects	0	0			0	0		
LDC Custom Programs	Projects	0	0			0	0		
<b>Pre-2011 Programs completed in 2011 Total</b>		<b>13,137</b>	<b>0</b>			<b>24,954,771</b>	<b>0</b>		
<b>Other</b>									
Program Enabled Savings	Projects	624	824			1,673,712	9,927,473		
Time-of-Use Savings	Homes	0	0			0	0		
<b>Other Total</b>		<b>624</b>	<b>824</b>			<b>1,673,712</b>	<b>9,927,473</b>		
<b>Adjustments to 2011 Verified Results</b>		<b>13,911</b>				<b>50,449,939</b>			
<b>Adjustments to 2012 Verified Results</b>			<b>8,707</b>				<b>55,101,043</b>		
<b>Adjustments to Previous Years' Verified Results Total</b>		<b>13,911</b>	<b>8,707</b>			<b>50,449,939</b>	<b>55,101,043</b>		

Activity and savings for Demand Response resources for each year represent the savings from the program's start date to the end of the reporting period.

The IHD line item on the 2013 annual report has been left blank pending a results update from evaluations;

Gross results are presented for informational purposes only and are not considered official



from all active facilities or devices contracted since January 1, 2011 (reported cumulatively).

results will be updated once sufficient information is made available.

*2013 Final Verified Results*

1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2

3 **Response to Ontario Energy Board Staff Interrogatory 9-Staff-93**

4

5 **Ref: Exhibit 9, Tab 1, Schedule 15, p.1**

6

7 **Interrogatory:**

8

9 Kingston Hydro in exhibit 2 indicates a three year recovery period for stranded meters,  
10 however in exhibit 9 a five year recovery period is requested. Please identify which  
11 recovery period Kingston Hydro is requesting.

12

13 **Response:**

14

15 Kingston Hydro is requesting a recovery period of five years.

1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2

3 **Response to Ontario Energy Board Staff Interrogatory 9-Staff-94**

4

5 **Ref: Exhibit 9, Tab 1, Schedule 8, p. 1**

6

7 **Interrogatory:**

8

9 The IESO provides a first, second and actual rate that distributors can use to charge  
10 to their customers for Account 1589 – Global Adjustment.

11

12 a) Which estimate does Kingston Hydro use from the IESO to charge customers  
13 for Account 1589 – Global Adjustment?

14

15 b) Does Kingston Hydro consistently use the same estimate?

16

17 **Response:**

18

19 a) Kingston Hydro uses the IESO- Global adjustment 1<sup>st</sup> estimate.

20

21 b) Yes, this estimate is used consistently.

1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2

3 **Response to Ontario Energy Board Staff Interrogatory 9-Staff-95**

4

5 **Ref: Exhibit 9, Tab 1, Attachment 1 – Reconciliation of RRR**

6

7 **Interrogatory:**

8

9 Please confirm the balance of \$2,192,240 in 1505 – Unrecovered Plant and Regulatory  
10 Study Costs was incorrectly recorded in RRR 2.1.7 Trial Balance. If not please reconcile  
11 to Kingston's DVA work form. The balance recorded in 1505 reconciles to account 1508  
12 – Other Regulatory Assets in the DVA work form.

13

14 **Response:**

15

16 The amount reported in account 1505 – Unrecovered Plant and Regulatory Study Costs  
17 of \$2,192,240 should have been reported in account 1508 - Other Regulatory Assets.

1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2

3 **Response to Ontario Energy Board Staff Interrogatory 9-Staff-96**

4

5 **Ref: Exhibit 9, Tab 1, Schedule1, pp. 4 and 5 – Accounting Guidance on REG**  
6 **and Smart Grid**

7

8 **Interrogatory:**

9

10 The OEB issued APH guidance on deferral accounts related to Renewable Generation  
11 Connection and Smart Grid Development accounts on March 31, 2015.

12

13 Has Kingston Hydro followed this guidance (Guideline Q&A #8) as it applies to the  
14 portion for rate base inclusion? If not, please make any required changes and re- file  
15 the information. If the applicant does not wish to update the information, please explain  
16 why not.

17

18 **Response:**

19

20 Due to the immaterial amount of the request, Kingston Hydro will write these balances  
21 off as at December 31, 2015.

---

1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2  
3 **Response to Ontario Energy Board Staff Interrogatory 9-Staff-97**

4  
5 **Ref: Exhibit 9, Tab 1, Schedule 14, p.5**

6  
7 **Interrogatory:**

8  
9 On page 5 of E9/T1/S14, Kingston Hydro requested the recovery of 380 defective smart  
10 meters, out of a total 26,721 smart meters, which represents a total defect rate of 1.4%.

- 11  
12 a) Please explain the nature of the failure of the 380 meters.  
13 b) Please explain why Kingston Hydro did not test all the meters prior to the  
14 warranty expiring.  
15 c) Please provide the number of failed meters on warranty.

16  
17 **Response:**

- 18  
19 a) The failures experienced were due to a loss of communications to the AMI head  
20 end system, or a dead LCD display.  
21  
22 b) Meter failures did not show up immediately upon installation. Meters when  
23 installed at a customer premises were verified to be working through a verification  
24 of the LCD panel active, as well as a process that setup the meter with the head  
25 end system. At the time of installation all meters were working. The bulk of  
26 Kingston's meters had their warranty end in January 2011. Meters did not fail  
27 catastrophically immediately. Communications failed after a period of time in the

- 
- 28 field. This mode of failure is normal for consumer electronics. Kingston is not  
29 aware of a method to test for this mode of failure, before it happens.  
30  
31 c) A total of 73 meters failed and were replaced under warranty.

1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2  
3 **Response to Ontario Energy Board Staff Interrogatory 9-Staff-98**

4  
5 **Ref: Exhibit 9, Tab 1, Schedule 14, p.6**

6 **Exhibit 2, Tab 1, Schedule 5**

7  
8 **Interrogatory:**

9  
10 In its previous Smart Meter Application (EB-2012-0310), Kingston Hydro stated  
11 “...approximately 2700 scrap meters were sold for use by another Canadian utility while  
12 the remainder were disposed of as scrap metal.” Kingston noted it is not applying for  
13 disposition of stranded meter costs until the next cost of service application and  
14 therefore the scrap meter sale proceeds are not reflected in the current application”.

15  
16 Below is a table showing the stranded meters, including the proceeds on disposition:

**Appendix 2-S  
Stranded Meter Treatment**

Year	Notes	Gross Asset Value	Accumulated Amortization	Contributed Capital (Net of Amortization)	Net Asset	Proceeds on Disposition	Residual Net Book Value
		(A)	(B)	(C)	(D) = (A) - (B) - (C)	(E)	(F) = (D) - (E)
2006					\$ -		\$ -
2007					\$ -		\$ -
2008					\$ -		\$ -
2009					\$ -		\$ -
2010					\$ -		\$ -
2011		\$ 3,589,236	\$ 1,686,706		\$ 1,902,530	\$ 4,023	\$ 1,898,507
2012		\$ 3,589,236	\$ 1,686,706		\$ 1,902,530	\$ 4,023	\$ 1,898,507
2013		\$ 3,589,236	\$ 1,686,706		\$ 1,902,530	\$ 4,023	\$ 1,898,507
2014	(1)	\$ 3,589,236	\$ 1,686,706		\$ 1,902,530	\$ 4,023	\$ 1,898,507

17  
18  
19 a) Please confirm if the \$4,023 represents the sale of the scrap and confirm that  
20 amount has been included in other revenues in the 2016 test year.

21



---

22 **Response:**

23

24 The \$4,023 represents sale of scrap. Kingston Hydro did not specifically add the \$4,023  
25 in account 4390-Miscellaneous Non-Operating Revenue. The estimated revenue for  
26 this account is based on a 2 year average.

---

1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2  
3 **Response to Ontario Energy Board Staff Interrogatory 9-Staff-99**

4  
5 **Ref: Exhibit 9, Tab 1, Schedule 15, p. 9**

6  
7 **Interrogatory:**

8  
9 Please provide a copy of Sheet I.7 from Kingston Hydro's 2011 Cost Allocation model  
10 to show the data for the allocation of stranded meter costs between Residential and  
11 GS < 50 kW, as shown in Table 8.

12  
13 **Response:**

14  
15 Attached is a copy of Sheet I.7 from Kingston Hydro's Board-approved 2011 Cost  
16 Allocation model which shows the data used to calculate the allocation of stranded  
17 meter costs between Residential and GS<50kW.

18  
19 The allocation of stranded meters [82.53% Residential, 17.47% GS<50 kW] is  
20 consistent with the smart meter allocation approved in Kingston Hydro's 2013 Smart  
21 Meter Cost Recovery Application, EB-2012-0310.

22  
23 These allocations were derived using Kingston's 2011 Board-approved Cost Allocation  
24 model allocations for USoA account 1860. Further methodology detail is provided in  
25 Kingston Hydro Reply Submission for EB-2012-0310, pp. 10-12, filed 2012-11-27.

Response to Ontario Energy Board Staff  
Interrogatory 9-Staff-99

Attachment 1



**2006 COST ALLOCATION INFORMATION FILING  
Kingston Electricity Distribution**

**EB-2005-0385 EB-2006-0247**

**01-15-2007**

**Sheet I7.1 Meter Capital Worksheet - Second Run**

	Residential			GS <50			GS>50-Regular		
	1	2	3	1	2	3	1	2	3
	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs
Allocation Percentage Weighted Factor			75.81%			16%			8%
Cost Relative to Residential Average Cost			1.00			1.51			7.07
<b>Total</b>	<b>23164.09586</b>	<b>1985133.67</b>	<b>85.69873316</b>	<b>3244</b>	<b>420332.7568</b>	<b>129.5723665</b>	<b>347</b>	<b>210162.9562</b>	<b>605.6569343</b>

**Meter Types**

- Single Phase 200 Amp - Urban
- Single Phase 200 Amp - Rural
- Central Meter
- Network Meter (Costs to be updated)
- Three-phase - No demand
- Smart Meters
- Demand without IT (usually three-phase)
- Demand with IT
- Demand with IT and Interval Capability - Secondary
- Demand with IT and Interval Capability - Primary
- Demand with IT and Interval Capability -Special (WMP)
- LDC Specific 1
- LDC Specific 2
- LDC Specific 3

**Cost per Meter (Installed)**

Meter Type	Count	Weighted Metering Costs	Weighted Average Costs	Count	Weighted Metering Costs	Weighted Average Costs	Count	Weighted Metering Costs	Weighted Average Costs
Single Phase 200 Amp - Urban	72	1354842.967		1,797	129365.0278			0	
Single Phase 200 Amp - Rural	150	0			0			0	
Central Meter	250	0			0			0	
Network Meter (Costs to be updated)	145	630290.7037		675	97837.91704			0	
Three-phase - No demand	250	0		773	193129.812			0	
Smart Meters	72	0			0			0	
Demand without IT (usually three-phase)	525	0			0		281	147601.6423	
Demand with IT	950	0			0			0	
Demand with IT and Interval Capability - Secondary	950	0			0		59	56144.76886	
Demand with IT and Interval Capability - Primary	950	0			0		7	6416.545012	
Demand with IT and Interval Capability -Special (WMP)	40,000	0			0			0	
LDC Specific 1		0			0			0	
LDC Specific 2		0			0			0	
LDC Specific 3		0			0			0	

Large Use >5MW			Street Light			Unmetered Scattered Load			TOTAL		
1	2	3	1	2	3	1	2	3	1	2	3
Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs
		0%			0%			0%			100%
		11.09			-			-			1.14
3	2850	950	0	0	-	0	0	-	26758.09586	2618479.383	97.85746327

	0			0			0		20,614	1484207.994	
	0			0			0		0	0	
	0			0			0		0	0	
	0			0			0		5,022	728128.6207	
	0			0			0		773	193129.812	
	0			0			0		0	0	
	0			0			0		281	147601.6423	
	0			0			0		0	0	
	0			0			0		59	56144.76886	
3	2850			0			0		10	9266.545012	
	0			0			0		0	0	
	0			0			0		0	0	
	0			0			0		0	0	
	0			0			0		0	0	

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1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2  
3 **Response to Ontario Energy Board Staff Interrogatory 9-Staff-100**

4  
5 **Ref: Exhibit 9, Tab 1, Schedule 14, p.6**

6 **Exhibit 2, Tab 1, Schedule 5**

7  
8 **Interrogatory:**

9  
10 a) Are the stranded meter costs recorded in Account 1555 comprised of the gross  
11 costs of the stranded meters, less any capital contributions, less the accumulated  
12 depreciation and less any proceeds from the disposition of the meters?

13  
14 b) If so, please explain why Kingston Hydro did not apply depreciation to its stranded  
15 conventional meters as of December 31, 2015, given that these meters attract a  
16 return of (depreciation) and return on capital until the effective date of this  
17 application.

18  
19 c) Please confirm that the stranded meters, recorded in account 1555 were removed  
20 from account 1860.

21  
22 **Response:**

23  
24 a) We confirm that the stranded meter costs recorded in account 1555 are comprised  
25 gross costs less capital contributions, less accumulated depreciation less  
26 proceeds of disposition.

27

- 28 b) Kingston Hydro did not apply depreciation because the assets were no longer in  
29 service.  
30
- 31 c) Yes, stranded meters were removed from account 1860 to account 1555.

---

1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2  
3 **Account 1576 IFRS– CGAAP PP&E**

4  
5 **Response to Ontario Energy Board Staff Interrogatory 9-Staff-101**

6  
7 **Ref: Exhibit 9, Tab 1, Schedule 12, Attachments 1 and 2 – Fixed Asset**  
8 **Continuity Schedules – Appendices 2-BA, and Appendix 2-EC**

9  
10 **Interrogatory:**

- 11
- 12 a) Please provide Appendix 2-BA under former CGAAP to support the Net  
13 Additions and Net Depreciation amounts in the calculation of the balance in  
14 Account 1576 on Appendix 2-EC for year
- 15 i) 2014  
16 ii) 2015.
- 17
- 18 b) Please explain the “Adjusted Opening Balance” columns under “Cost” and  
19 “Accumulated Depreciation” in Appendix 2-BA for 2013.
- 20
- 21 c) The Adjusted Opening Balance in Appendix 2-BA for 2013 does not match the  
22 closing balance for 2012. Please explain the nature of adjustments and why the  
23 adjustments are made.
- 24
- 25 d) The “Additions” on Appendix 2-BA do not match the “Net Additions” shown in  
26 Appendix 2-EC for years 2014 and 2015. Please provide an explanation and  
27 update and file schedules as necessary.
- 28



---

Year	Additions per 2-BA	Net Additions per 2EC
2014	\$3,549,151	\$3,330,931
2015	\$3,499,700	\$3,600,000

29

30 **Response:**

31

32 a) Appendix 2-BA is attached and updated to reflect CGAAP additions and  
33 depreciation for 2014 and 2015.

34

35 b) In preparation for the changeover to MIFRS useful lives, it was discovered that the  
36 previous asset continuity schedules needed to be adjusted for a minor calculation  
37 errors from previous years. The result was that the audited financial statements for  
38 2013 included the correct ending balances as at December 31, 2013 and the  
39 opening balances for 2013 were adjusted accordingly.

40

41 c) See answer to b) above.

42

43 d) Appendix 2-BA includes capital additions for assets in- service and subject to  
44 depreciation. The additions on Appendix 2-EC includes WIP. Depreciation  
45 calculation were based on capital additions for in service assets and therefore  
46 Appendix 2-EC has been updated to reflect and match Appendix 2-BA.

Response to Ontario Energy Board Staff  
Interrogatory 9-Staff-101

Attachment 1

**Appendix 2-BA  
Fixed Asset Continuity Schedule**

Accounting Standard      CGAAP  
Year                              2014                              Old EUL

CCA Class	OEB	Description	Cost				Accumulated Depreciation				Net Book Value
			Opening Balance	Additions	Disposals	Closing Balance	Opening Balance	Additions	Disposals	Closing Balance	
	1610	Misc. Intangible Plant	\$ 242,440			\$ 242,440	-\$ 33,715	- 6,061	-\$ 39,776	\$ 202,664	
12	1611	Computer Software (Formally known as Account 1925)	\$ 345,639			\$ 345,639	-\$ 283,723	- 40,395	-\$ 324,118	\$ 21,521	
CEC	1612	Land Rights (Formally known as Account 1906)	\$ -			\$ -	\$ -		\$ -	\$ -	
N/A	1805	Land	\$ 197,343			\$ 197,343	\$ -		\$ -	\$ 197,343	
47	1808	Buildings	\$ 719,769	\$ 5,927		\$ 725,696	-\$ 217,230	- 18,153	-\$ 235,383	\$ 490,313	
13	1810	Leasehold Improvements	\$ -			\$ -	\$ -		\$ -	\$ -	
47	1815	Transformer Station Equipment >50 kV	\$ -			\$ -	\$ -		\$ -	\$ -	
47	1820	Distribution Station Equipment <50 kV	\$ 9,245,470	\$ 247,141		\$ 9,492,611	-\$ 2,638,861	- 340,442	-\$ 2,979,303	\$ 6,513,308	
47	1825	Storage Battery Equipment	\$ -			\$ -	\$ -		\$ -	\$ -	
47	1830	Poles, Towers & Fixtures	\$ 13,431,786	\$ 1,326,417		\$ 14,758,203	-\$ 5,854,435	- 559,894	-\$ 6,414,329	\$ 8,343,874	
47	1835	Overhead Conductors & Devices	\$ 4,467,361	\$ 60,083		\$ 4,527,444	-\$ 1,018,527	- 179,310	-\$ 1,197,837	\$ 3,329,607	
47	1840	Underground Conduit	\$ 9,883,651	\$ 640,381		\$ 10,524,032	-\$ 3,398,256	- 417,230	-\$ 3,815,486	\$ 6,708,547	
47	1845	Underground Conductors & Devices	\$ 6,551,067	\$ 427,700		\$ 6,978,767	-\$ 2,161,302	- 276,732	-\$ 2,438,034	\$ 4,540,733	
47	1850	Line Transformers	\$ 4,443,926	\$ 232,642		\$ 4,676,568	-\$ 2,335,534	- 173,963	-\$ 2,509,497	\$ 2,167,071	
47	1855	Services (Overhead & Underground)	\$ 1,647,507	\$ 93,974		\$ 1,741,481	-\$ 902,881	- 59,826	-\$ 962,707	\$ 778,774	
47	1860	Meters	\$ 5,564,658	\$ 257,909		\$ 5,822,567	-\$ 1,324,112	- 345,012	-\$ 1,669,124	\$ 4,153,443	
47	1860	Meters (Smart Meters)	\$ -			\$ -	\$ -		\$ -	\$ -	
N/A	1905	Land	\$ -			\$ -	\$ -		\$ -	\$ -	
47	1908	Buildings & Fixtures	\$ -			\$ -	\$ -		\$ -	\$ -	
13	1910	Leasehold Improvements	\$ 335,574	\$ -		\$ 335,574	-\$ 248,929	- 28,445	-\$ 277,374	\$ 58,200	
8	1915	Office Furniture & Equipment (10 years)	\$ 27,285	\$ -		\$ 27,285	-\$ 5,804	- 2,729	-\$ 8,533	\$ 18,752	
8	1915	Office Furniture & Equipment (5 years)	\$ -	\$ -		\$ -	\$ -		\$ -	\$ -	
10	1920	Computer Equipment - Hardware	\$ -			\$ -	\$ -		\$ -	\$ -	
45	1920	Computer Equip.-Hardware(Post Mar. 22/04)	\$ 351,477	\$ 53,600		\$ 405,077	-\$ 228,627	- 54,008	-\$ 282,635	\$ 122,442	
45.1	1920	Computer Equip.-Hardware(Post Mar. 19/07)	\$ -			\$ -	\$ -		\$ -	\$ -	
10	1930	Transportation Equipment	\$ 2,794,065	\$ 157,007		\$ 2,951,072	-\$ 1,500,672	- 203,873	-\$ 1,704,545	\$ 1,246,528	
8	1935	Stores Equipment	\$ 61,101	\$ -		\$ 61,101	-\$ 29,325	- 6,110	-\$ 35,435	\$ 25,666	
8	1940	Tools, Shop & Garage Equipment	\$ 990,332	\$ 91,995		\$ 1,082,327	-\$ 749,698	- 55,971	-\$ 805,669	\$ 276,658	
8	1945	Measurement & Testing Equipment	\$ 63,381	\$ -		\$ 63,381	-\$ 26,889	- 6,338	-\$ 33,227	\$ 30,154	
8	1950	Power Operated Equipment	\$ -			\$ -	\$ -		\$ -	\$ -	
8	1955	Communications Equipment	\$ 97,375	\$ 60,538		\$ 157,913	-\$ 35,161	- 12,765	-\$ 47,926	\$ 109,987	
8	1955	Communication Equipment (Smart Meters)	\$ -			\$ -	\$ -		\$ -	\$ -	
8	1960	Miscellaneous Equipment	\$ -			\$ -	\$ -		\$ -	\$ -	
47	1970	Load Management Controls Customer Premises	\$ -			\$ -	\$ -		\$ -	\$ -	
47	1975	Load Management Controls Utility Premises	\$ -			\$ -	\$ -		\$ -	\$ -	
47	1980	System Supervisor Equipment	\$ 2,693,645	\$ 28,748		\$ 2,722,393	-\$ 1,977,748	- 97,427	-\$ 2,075,175	\$ 647,218	
47	1985	Miscellaneous Fixed Assets	\$ -			\$ -	\$ -		\$ -	\$ -	
47	1990	Other Tangible Property	\$ -			\$ -	\$ -		\$ -	\$ -	
47	1995	Contributions & Grants	-\$ 2,713,564	-\$ 134,911		-\$ 2,848,475	\$ 331,618	106,418	\$ 438,036	-\$ 2,410,439	
47	2440	Deferred Revenue <sup>5</sup>	\$ -			\$ -	\$ -		\$ -	\$ -	
			\$ -			\$ -	\$ -		\$ -	\$ -	
		<b>Sub-Total</b>	<b>\$ 61,441,288</b>	<b>\$ 3,549,151</b>	<b>\$ -</b>	<b>\$ 64,990,439</b>	<b>-\$ 24,639,811</b>	<b>-\$ 2,778,265</b>	<b>\$ -</b>	<b>-\$ 27,418,076</b>	<b>\$ 37,572,363</b>
		Less Socialized Renewable Energy Generation Investments (input as negative)				\$ -			\$ -	\$ -	
		Less Other Non Rate-Regulated Utility Assets (input as negative)				\$ -			\$ -	\$ -	
		<b>Total PP&amp;E</b>	<b>\$ 61,441,288</b>	<b>\$ 3,549,151</b>	<b>\$ -</b>	<b>\$ 64,990,439</b>	<b>-\$ 24,639,811</b>	<b>-\$ 2,778,265</b>	<b>\$ -</b>	<b>-\$ 27,418,076</b>	<b>\$ 37,572,363</b>
		Depreciation Expense adj. from gain or loss on the retirement of assets (pool of like assets), if applicable <sup>6</sup>									
		<b>Total</b>					<b>-\$ 2,778,265</b>				

**Appendix 2-BA  
Fixed Asset Continuity Schedule**

Accounting Standard Year      CGAAP 2015      OLD EUL

CCA Class	OEB	Description	Cost				Accumulated Depreciation				Net Book Value
			Opening Balance	Additions	Disposals	Closing Balance	Opening Balance	Additions	Disposals	Closing Balance	
	1610	Misc. Intangible Plant	\$ 242,440			\$ 242,440	-\$ 39,776	- 6,061		-\$ 45,837	\$ 196,603
12	1611	Computer Software (Formally known as Account 1925)	\$ 345,639	\$ 23,000		\$ 368,639	-\$ 324,118	- 14,195		-\$ 338,313	\$ 30,326
CEC	1612	Land Rights (Formally known as Account 1906)	\$ -			\$ -	\$ -			\$ -	\$ -
N/A	1805	Land	\$ 197,343			\$ 197,343	\$ -			\$ -	\$ 197,343
47	1808	Buildings	\$ 725,696	\$ 81,000		\$ 806,696	-\$ 235,383	- 19,022		-\$ 254,406	\$ 552,290
13	1810	Leasehold Improvements	\$ -			\$ -	\$ -			\$ -	\$ -
47	1815	Transformer Station Equipment >50 kV	\$ -			\$ -	\$ -			\$ -	\$ -
47	1820	Distribution Station Equipment <50 kV	\$ 9,492,611	\$ 254,614		\$ 9,747,225	-\$ 2,979,303	- 348,697		-\$ 3,328,000	\$ 6,419,225
47	1825	Storage Battery Equipment	\$ -			\$ -	\$ -			\$ -	\$ -
47	1830	Poles, Towers & Fixtures	\$ 14,758,203	\$ 401,328		\$ 15,159,531	-\$ 6,414,329	- 583,372		-\$ 6,997,701	\$ 8,161,830
47	1835	Overhead Conductors & Devices	\$ 4,527,444	\$ 454,238		\$ 4,981,682	-\$ 1,197,837	- 186,550		-\$ 1,384,387	\$ 3,597,295
47	1840	Underground Conduit	\$ 10,524,032	\$ 645,045		\$ 11,169,077	-\$ 3,815,486	- 422,539		-\$ 4,238,025	\$ 6,931,052
47	1845	Underground Conductors & Devices	\$ 6,978,767	\$ 902,655		\$ 7,881,422	-\$ 2,438,034	- 289,782		-\$ 2,727,816	\$ 5,153,606
47	1850	Line Transformers	\$ 4,676,568	\$ 169,350		\$ 4,845,918	-\$ 2,509,497	- 163,717		-\$ 2,673,214	\$ 2,172,704
47	1855	Services (Overhead & Underground)	\$ 1,741,481	\$ 68,470		\$ 1,809,951	-\$ 962,707	- 60,399		-\$ 1,023,106	\$ 786,844
47	1860	Meters	\$ 5,822,567	\$ 300,000		\$ 6,122,567	-\$ 1,669,124	- 356,077		-\$ 2,025,201	\$ 4,097,366
47	1860	Meters (Smart Meters)	\$ -			\$ -	\$ -			\$ -	\$ -
N/A	1905	Land	\$ -			\$ -	\$ -			\$ -	\$ -
47	1908	Buildings & Fixtures	\$ -			\$ -	\$ -			\$ -	\$ -
13	1910	Leasehold Improvements	\$ 335,574			\$ 335,574	-\$ 277,374	- 28,445		-\$ 305,819	\$ 29,755
8	1915	Office Furniture & Equipment (10 years)	\$ 27,285	\$ 1,000		\$ 28,285	-\$ 8,533	- 2,779		-\$ 11,312	\$ 16,973
8	1915	Office Furniture & Equipment (5 years)	\$ -			\$ -	\$ -			\$ -	\$ -
10	1920	Computer Equipment - Hardware	\$ -			\$ -	\$ -			\$ -	\$ -
45	1920	Computer Equip.-Hardware(Post Mar. 22/04)	\$ 405,077			\$ 405,077	-\$ 282,635	- 41,461		-\$ 324,096	\$ 80,981
45.1	1920	Computer Equip.-Hardware(Post Mar. 19/07)	\$ -			\$ -	\$ -			\$ -	\$ -
10	1930	Transportation Equipment	\$ 2,951,072	\$ 69,000		\$ 3,020,072	-\$ 1,704,545	- 178,249		-\$ 1,882,794	\$ 1,137,278
8	1935	Stores Equipment	\$ 61,101			\$ 61,101	-\$ 35,435	- 6,110		-\$ 41,545	\$ 19,556
8	1940	Tools, Shop & Garage Equipment	\$ 1,082,327	\$ 30,000		\$ 1,112,327	-\$ 805,669	- 51,052		-\$ 856,721	\$ 255,606
8	1945	Measurement & Testing Equipment	\$ 63,381			\$ 63,381	-\$ 33,227	- 6,338		-\$ 39,565	\$ 23,816
8	1950	Power Operated Equipment	\$ -			\$ -	\$ -			\$ -	\$ -
8	1955	Communications Equipment	\$ 157,913	\$ 50,000		\$ 207,913	-\$ 47,926	- 18,292		-\$ 66,218	\$ 141,695
8	1955	Communication Equipment (Smart Meters)	\$ -			\$ -	\$ -			\$ -	\$ -
8	1960	Miscellaneous Equipment	\$ -			\$ -	\$ -			\$ -	\$ -
47	1970	Load Management Controls Customer Premises	\$ -			\$ -	\$ -			\$ -	\$ -
47	1975	Load Management Controls Utility Premises	\$ -			\$ -	\$ -			\$ -	\$ -
47	1980	System Supervisor Equipment	\$ 2,722,393	\$ 50,000		\$ 2,772,393	-\$ 2,075,175	- 100,050		-\$ 2,175,224	\$ 597,168
47	1985	Miscellaneous Fixed Assets	\$ -			\$ -	\$ -			\$ -	\$ -
47	1990	Other Tangible Property	\$ -			\$ -	\$ -			\$ -	\$ -
47	1995	Contributions & Grants	-\$ 2,848,475			-\$ 2,848,475	\$ 438,036	109,117		\$ 547,153	-\$ 2,301,322
47	2440	Deferred Revenue <sup>5</sup>	\$ -			\$ -	\$ -			\$ -	\$ -
			\$ -			\$ -	\$ -			\$ -	\$ -
		<b>Sub-Total</b>	<b>\$ 64,990,439</b>	<b>\$ 3,499,700</b>	<b>\$ -</b>	<b>\$ 68,490,139</b>	<b>-\$ 27,418,076</b>	<b>-\$ 2,774,071</b>	<b>\$ -</b>	<b>-\$ 30,192,147</b>	<b>\$ 38,297,992</b>
		Less Socialized Renewable Energy Generation Investments (input as negative)				\$ -				\$ -	\$ -
		Less Other Non Rate-Regulated Utility Assets (input as negative)				\$ -				\$ -	\$ -
		<b>Total PP&amp;E</b>	<b>\$ 64,990,439</b>	<b>\$ 3,499,700</b>	<b>\$ -</b>	<b>\$ 68,490,139</b>	<b>-\$ 27,418,076</b>	<b>-\$ 2,774,071</b>	<b>\$ -</b>	<b>-\$ 30,192,147</b>	<b>\$ 38,297,992</b>
		Depreciation Expense adj. from gain or loss on the retirement of assets (pool of like assets), if applicable <sup>6</sup>									
		<b>Total</b>					<b>-\$ 2,774,071</b>				

**Appendix 2-EC**  
**Account 1576 - Accounting Changes under CGAAP**  
**2013 Changes in Accounting Policies under CGAAP**

For applicants that made capitalization and depreciation expense accounting policy changes under CGAAP effective January 1, 2013

Reporting Basis	Rebasing Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	CGAAP	IRM	IRM	IRM	IRM	IRM	MIFRS	MIFRS	MIFRS	MIFRS	MIFRS
	Forecast	Actual	Actual	Actual	Actual	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
					\$	\$	\$	\$	\$	\$	\$
<b>PP&amp;E Values under former CGAAP</b>											
Opening net PP&E - Note 1				31,325,563	36,801,477	37,572,363					
Net Additions - Note 4				8,964,462	3,549,151	3,499,700					
Net Depreciation (amounts should be negative) - Note 4				-3,488,548	-2,778,265	-2,774,071					
<b>Closing net PP&amp;E (1)</b>				36,801,477	37,572,363	38,297,992					
<b>PP&amp;E Values under revised CGAAP (Starts from 2013)</b>											
Opening net PP&E - Note 1				31,325,563	37,955,047	39,898,945					
Net Additions - Note 4				8,964,462	3,549,151	3,499,700					
Net Depreciation (amounts should be negative) - Note 4				-2,334,978	-1,605,253	-1,647,902					
<b>Closing net PP&amp;E (2)</b>				37,955,047	39,898,945	41,750,743					
<b>Difference in Closing net PP&amp;E, former CGAAP vs. revised CGAAP</b>				-1,153,570	-2,326,582	-3,452,751	-2,762,201	-1,657,320	-1,381,100	-690,550	12,062
<b>Account 1575</b>						60,312	48,250	28,950	24,125		
<b>Total Accounts 1575 and 1576</b>						-3,392,439	-2,713,951	-1,628,371	-1,356,976	-678,488	
<b>Effect on Deferral and Variance Account Rate Riders:</b>											
Average Balance in Associated with Account 1576-2016						-3,107,476	54,281	<b>WACC</b>	6.27%		
Return on Rate Base Associated with Account 1576 balance at WACC - 2016						-194,839	3,403		1		
Average Balance in Associated with Account 1576-2017						-2,209,761	38,600				
Return on Rate Base Associated with Account 1576 balance at WACC - 2017						-138,552	2,420				
Average Balance in Associated with Account 1576-2018						-1,519,210	26,537				
Return on Rate Base Associated with Account 1576 balance at WACC - 2018						-95,254	1,664				(1,641,409.22)
Average Balance in Associated with Account 1576-2019						-1,035,825	18,094				
Return on Rate Base Associated with Account 1576 balance at WACC - 2019						-64,946	1,134				
Average Balance in Associated with Account 1576-2020						-345,275	6,031				
Return on Rate Base Associated with Account 1576 balance at WACC - 2020						-21,649	378				
<b>Total Return to be included in disposition</b>						-515,240	9,000				
<b>Total amount to be disposed of</b>						(3,967,991.22)	69,312.12				

**Notes:**

- For an applicant that made the capitalization and depreciation expense accounting policy changes on January 1, 2013, the PP&E values as of January 1, 2013 under both former CGAAP and revised CGAAP should be the same.
- Return on rate base associated with Account 1576 balance is calculated as:  
the variance account opening balance as of 2015 rebasing year x WACC X # of years of rate rider disposition period  
\* Please note that the calculation should be adjusted once WACC is updated and finalized in the rate application.
- Account 1576 is cleared by including the total balance in the deferral and variance account rate rider calculation.
- Net additions are additions net of disposals; Net depreciation is additions to depreciation net of disposals.

---

1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2

3 **Response to Ontario Energy Board Staff Interrogatory 9-Staff-102**

4

5 **Ref: Exhibit 9, Tab 1, Schedule 12, Attachments 1 and 2–Fixed Asset**  
6 **Continuity Schedules–Appendices 2-BA, and Appendix2-EC**

7

8 **Interrogatory:**

9

10 Kingston Hydro has calculated the WACC component of Account 1576 on a declining  
11 balance basis. Per the Board letter dated June 25, 2013, the OEB will require a rate of  
12 return component to be applied to the balance of Account1576 upon its disposition in  
13 rates.

14

15 Please provide Kingston Hydro's rationale for deviation from the Board policy.

16

17 **Response:**

18

19 Kingston Hydro did calculate a rate of return on account 1576 per Board policy.

20 The reason the rate of return is calculated on a declining balance is that the

21 principal amount will be repaid annually throughout the 5 year repayment period.

22 As illustrated on Appendix 2-EC, Kingston Hydro has calculated a return every year  
23 on the average outstanding balance in account 1576.

---

1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2  
3 **Response to Ontario Energy Board Staff Interrogatory 9-Staff-103**

4  
5 **Ref: Exhibit 9, Tab 1, Schedule 12, Attachments 1 and 2–Fixed Asset Continuity**  
6 **Schedules – Appendices 2-BA, and Appendix 2-EC**

7  
8 **Interrogatory:**

9  
10 Kingston Hydro has not calculated a balance for Account 1575 as of the changeover  
11 date of January 1, 2015. OEB staff notes that Kingston Hydro had a credit of  
12 approximately \$2.4 Million in Account 1995–Customer Contributions as of the  
13 changeover date. According to the APH Article 510, under IFRS, customer contributions  
14 received subsequent to the transition date are recognized as deferred revenue.  
15 Customer contributions recognized prior to the transition date are not reclassified to  
16 deferred revenue as a result of electing the optional exemptions.

17  
18 Please calculate the balance to be recorded in Account 1575 as of the changeover date  
19 of January 1, 2015. This amount would be the difference between Kingston Hydro's  
20 revised CGAAP based amount for customer contributions as of the changeover date,  
21 and the MIFRS based amount for customer contributions as of the same date.

22  
23 **Response:**

24  
25 Please find attached a detailed calculation of the balance to be recorded in account  
26 1575. The total is a debit (due from customers) of \$60,312. Kingston Hydro requests  
27 this to be recovered over a 5 year period congruent with the period for account 1576.

Response to Ontario Energy Board Staff  
Interrogatory 9-Staff-103

Attachment 1



Account	CGAAP Carrying amounts as of December 31, 2014
PPE	67,838,914
Unamortized Customer Contributions	(2,490,820)
Accumulated Depreciation	(25,449,149)
NET PPE	<u>39,898,945</u>

ACCOUNT	CGAAP	MIFRS
Gross PPE, January 1, 2014	64,154,852	37,955,047
Additions during 2014	3,684,062	3,684,062
Gross PPE, December 31, 2014	<b>67,838,914</b>	<b>41,639,109</b>
Accumulated Depreciation, January 1, 2014	(23,781,439)	-
Depreciation expense during 2014	(1,667,710)	(1,667,710)
Accumulated Depreciation, December 31, 2014	<b>(25,449,149)</b>	<b>(1,667,710)</b>
Unamortized Customer Contribution offset at January 1, 2014	(2,418,366)	-
Customer Contributions received during 2014	(134,911)	-
Amortization of Previous customer contributions during 2014	60,312	-
Amortization of contributions received during 2014	2,145	-
Customer Contribution offset at December 31, 2014	<b>(2,490,820)</b>	-
Net PPE as at December 31, 2014	<b>39,898,945</b>	<b>39,971,399</b>
Deferred Revenue at January 1, 2014		-
Customer Contributions received during 2014		(134,911)
Amortization of contributions received during 2014		2,145
Deferred Revenue at December 31, 2014		(132,766)

Account	Particulars	Debit	Credit
1575 IFRS-CGAAP Transitional PP&E Amounts		26,199,805	
1805-1990 PP&E Accounts			26,199,805
	To recognize the cumulative effect of the deemed cost exemption and the application of IFRS policies during 2014 (67.8-41.6)		
2105 Accumulated Depreciation		23,781,439	
1575 IFRS-CGAAP Transitional PP&E amounts			23,781,439
	To recognize the cumulative effect of the deemed cost exemption and the application of IFRS policies during 2014 (25.4-1.7)		
1995 Contributions and Grants - Credit		2,490,820	
1575 IFRS-CGAAP Transitional PP&E Amounts			2,358,054
2440 Deferred Revenue			132,766
	To recognize the cumulative effect of the deemed cost exemption and the application of IFRS policies for customer contributions for 2014		

---

1 **EXHIBIT 9 - DEFERRAL AND VARIANCE ACCOUNTS**

2  
3 **Response to Energy Probe Interrogatory 9-Energy Probe-46**

4  
5 **Ref: Exhibit 9, Tab 1, Schedule 12, Attachments 1 & 2**

6  
7 **Interrogatory:**

8  
9 a) Please explain why the net additions in Appendix 2-EC do not appear to match the  
10 additions in the continuity schedules for 2013, 2014 and 2015.

11  
12 b) Please explain why the net additions shown for each of 2013, 2014 and 2015 in  
13 Appendix 2-EC are identical under both the former and revised CGAAP. Does this  
14 mean that there are no changes in capitalization between the two methodologies?

15  
16 c) Please provide continuity schedules that show the net depreciation figures for  
17 2014 and 2015 shown in Appendix 2-EC.

18  
19 d) Please show the calculation of the 2013 opening net PP&E figure of \$32,192,679  
20 with respect to the figures shown in the 2012 and 2013 continuity schedules  
21 provided in Attachment 1.

22  
23 **Response:**

24  
25 a) Net additions included WIP in original version. Updated Appendix 2-EC submitted  
26 with response to 9-Staff-101.

27  
28 b) There are no changes in capitalization between CGAAP and MIFRS.

---

29 c) See response to 9-Staff-101 a).

30

31 d) Per continuity schedule provided in c) above, opening net PP&E amount should be  
32 \$31,325,563, which agrees to audited financial statements as at December 31,  
33 2012. As noted in a) above the \$32,192,679 included WIP. Revised calculations  
34 are as shown in the updated Appendix 2-EC.

1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2

3 **Response to Vulnerable Energy Consumers Coalition Interrogatory 9-VECC-45**

4

5 **Reference: E9/T1/Appendix 2-U**

6

7 **Interrogatory:**

8

- 9 a) Kingston Hydro is claiming \$27,326 in IFRS transition costs related to incremental  
10 staff (Appendix 2-U Excel Spreadsheet Kingston-Ch2). Please explain if the staff  
11 was incremental (i.e. not permanent) to Kingston Utilities or represents an  
12 incremental amount of staff costs allocated to Kingston Hydro for this task.

13

14 **Response:**

15

- 16 a) The staff was incremental to Utilities Kingston and was allocated to Kingston  
17 Hydro for Kingston Hydro's conversion to IFRS.

1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2

3 **Response to Vulnerable Energy Consumers Coalition Interrogatory 9-VECC-46**

4

5 **Reference: E9/T1/S14**

6

7 **Interrogatory:**

8

- 9 a) Please provide the number of defective meters returned to the manufacture that  
10 were under warranty.
- 11 b) How many of the 380 meters failed within 1 year of installation (not purchase)?
- 12 c) Did Kingston Hydro approach the meter provider and seek compensation for any  
13 of these defective meters? If not, why not.
- 14 d) Does Kingston Hydro continue to procure meters from the same manufacturer?

15

16 **Response:**

17

- 18 a) 73 Meters failed and were returned under warranty.
- 19 b) 65 of the 380 meters failed within 1 year of installation.
- 20 c) Kingston Hydro did not seek compensation from the meter provider. The defective  
21 behavior was experienced beyond the warranty period, as such there was no  
22 recourse with the meter provider.
- 23 d) Yes, Kingston Hydro continues to procure meters from the same manufacturer.

---

1 **EXHIBIT 9 – DEFERRAL AND VARIANCE ACCOUNTS**

2

3 **Response to Vulnerable Energy Consumers Coalition Interrogatory 9-VECC-47**

4

5 **Reference: E9/T1/S15**

6

7 **Interrogatory:**

8

- 9 a) Please recalculate the rate rider for account 1576 based on a 1 year disposition  
10 period.
- 11 b) Please explain the rationale for a 5 year disposition period.

12

13 **Response:**

14

- 15 a) The rate rider for a 1 through 5 year dispositions have been calculated as per 9-  
16 Staff-89 b).
- 17
- 18 b) The rationale for a 5 year disposition is due to:
- 19 - the amounts relate to long term capital assets
- 20 - a 5 year recovery period is consistent with the recovery period applied for  
21 stranded meters.
- 22 - a 5 year recovery period assists in avoiding the “lumpiness” of customers’  
23 bills.