

**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	\$ 0.92	5,000	\$ 4,600.00	-\$ 500.00	-9.80%	\$ 1.10	5,000	\$ 5,500.00	\$ 900.00
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	\$ 9.7810	375	\$ 3,667.88	\$ 1,914.75	109.22%	\$ 11.6891	375	\$ 4,383.41	\$ 715.54	19.51%
Rate Rider Tax Change (2015)	per kW -\$ 0.0278	375	\$ 10.43	\$ -	375	\$ -	\$ 10.43	-100.00%	\$ -	375	\$ -	\$ -	
LRAM VA (2016)	per kW \$ -	375	\$ -	\$ 13.8368	375	\$ 5,188.80	\$ 5,188.80		\$ -	375	\$ -	-\$ 5,188.80	-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%
Sub-Total A (excluding pass through)			\$ 6,842.70			\$ 13,540.68	\$ 6,697.98	97.88%			\$ 9,883.41	-\$ 3,657.26	-27.01%
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	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 7,401.15			\$ 19,053.74	\$ 11,652.59	157.44%			\$ 10,074.06	-\$ 8,979.68	-47.13%
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%
Sub-Total C - Delivery (including Sub-Total B)			\$ 8,659.05			\$ 20,408.65	\$ 11,749.60	135.69%			\$ 11,428.98	-\$ 8,979.68	-44.00%
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	149,400	\$ 15,388.20	\$ 0.1030	149,400	\$ 15,388.20	\$ -	0.00%	\$ 0.1030	149,400	\$ 15,388.20	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 24,843.71			\$ 36,597.50	\$ 11,753.79	47.31%			\$ 27,617.83	-\$ 8,979.68	-24.54%
HST	13%		\$ 3,229.68	13%		\$ 4,757.68	\$ 1,527.99	47.31%	13%		\$ 3,590.32	-\$ 1,167.36	-24.54%
Total Bill (including HST)			\$ 28,073.39			\$ 41,355.18	\$ 13,281.78	47.31%			\$ 31,208.14	-\$ 10,147.03	-24.54%
Ontario Clean Energy Benefit ¹							\$ -					\$ -	
Total Bill on TOU (including OCEB)			\$ 28,073.39			\$ 41,355.18	\$ 13,281.78	47.31%			\$ 31,208.14	-\$ 10,147.03	-24.54%
Total Bill on RPP (before Taxes)			\$ 26,034.71			\$ 37,788.50	\$ 11,753.79	45.15%			\$ 28,808.83	-\$ 8,979.68	-23.76%
HST	13%		\$ 3,384.51	13%		\$ 4,912.51	\$ 1,527.99	45.15%	13%		\$ 3,745.15	-\$ 1,167.36	-23.76%
Total Bill (including HST)			\$ 29,419.22			\$ 42,701.01	\$ 13,281.78	45.15%			\$ 32,553.97	-\$ 10,147.03	-23.76%
Ontario Clean Energy Benefit ¹							\$ -					\$ -	
Total Bill on RPP (including OCEB)			\$ 29,419.22			\$ 42,701.01	\$ 13,281.78	45.15%			\$ 32,553.97	-\$ 10,147.03	-23.76%

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	\$ 0.92	5,000	\$ 4,600.00	-\$ 500.00	-9.80%	\$ 1.10	5,000	\$ 5,500.00	\$ 900.00
Distribution Volumetric Rate	per kW \$ 4.6750	375	\$ 1,753.13	\$ 9.7810	375	\$ 3,667.88	\$ 1,914.75	109.22%	\$ 11.6891	375	\$ 4,383.41	\$ 715.54	19.51%
"Regular" Distribution Only			\$ 6,853.13			\$ 8,267.88	\$ 1,414.75	20.64%			\$ 9,883.41	\$ 1,615.54	19.54%

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 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)	\$ 1.29	5,000	\$ 6,450.00	\$ 950.00	17.27%	\$ 1.33	5,000	\$ 6,650.00	\$ 200.00	3.10%	\$ 1.36	5,000	\$ 6,800.00	\$ 150.00	2.26%
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	\$ 13.7058	375	\$ 5,139.68	\$ 756.26	17.25%	\$ 14.1461	375	\$ 5,304.79	\$ 165.11	3.21%	\$ 14.4656	375	\$ 5,424.60	\$ 119.81	2.26%
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	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 11,589.68	\$ 1,706.26	17.26%			\$ 11,954.79	\$ 365.11	3.15%			\$ 12,224.60	\$ 269.81	2.26%
Deferral/Variance Account Disposition Rate Rider (2016)	\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -		\$ -	375	\$ -	\$ -	
Rate Rider CGAAP Account 1576 (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	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 11,780.33	\$ 1,706.26	16.94%			\$ 12,145.44	\$ 365.11	3.10%			\$ 12,415.25	\$ 269.81	2.22%
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%
Sub-Total C - Delivery (including Sub-Total B)			\$ 13,135.24	\$ 1,706.26	14.93%			\$ 13,500.35	\$ 365.11	2.78%			\$ 13,770.16	\$ 269.81	2.00%
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%
Total Bill on TOU (before Taxes)			\$ 29,324.09	\$ 1,706.26	6.18%			\$ 29,689.20	\$ 365.11	1.25%			\$ 29,959.01	\$ 269.81	0.91%
HST	13%		\$ 3,812.13	\$ 221.81	6.18%	13%		\$ 3,859.60	\$ 47.46	1.25%	13%		\$ 3,894.67	\$ 35.08	0.91%
Total Bill (including HST)			\$ 33,136.22	\$ 1,928.08	6.18%			\$ 33,548.80	\$ 412.58	1.25%			\$ 33,853.69	\$ 304.89	0.91%
Ontario Clean Energy Benefit ¹			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
Total Bill on TOU (including OCEB)			\$ 33,136.22	\$ 1,928.08	6.18%			\$ 33,548.80	\$ 412.58	1.25%			\$ 33,853.69	\$ 304.89	0.91%
Total Bill on RPP (before Taxes)			\$ 30,515.09	\$ 1,706.26	5.92%			\$ 30,880.20	\$ 365.11	1.20%			\$ 31,150.01	\$ 269.81	0.87%
HST	13%		\$ 3,966.96	\$ 221.81	5.92%	13%		\$ 4,014.43	\$ 47.46	1.20%	13%		\$ 4,049.50	\$ 35.08	0.87%
Total Bill (including HST)			\$ 34,482.05	\$ 1,928.08	5.92%			\$ 34,894.63	\$ 412.58	1.20%			\$ 35,199.52	\$ 304.89	0.87%
Ontario Clean Energy Benefit ¹			\$ -	\$ -				\$ -	\$ -				\$ -	\$ -	
Total Bill on RPP (including OCEB)			\$ 34,482.05	\$ 1,928.08	5.92%			\$ 34,894.63	\$ 412.58	1.20%			\$ 35,199.52	\$ 304.89	0.87%

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	\$ 1.29	5,000	\$ 6,450.00	\$ 950.00	17.27%	\$ 1.33	5,000	\$ 6,650.00	\$ 200.00	3.10%	\$ 1.36	5,000	\$ 6,800.00	\$ 150.00	2.26%
Distribution Volumetric Rate	\$ 13.7058	375	\$ 5,139.68	\$ 756.26	17.25%	\$ 14.1461	375	\$ 5,304.79	\$ 165.11	3.21%	\$ 14.4656	375	\$ 5,424.60	\$ 119.81	2.26%
"Regular" Distribution Only			\$ 11,589.68	\$ 1,706.26	17.26%			\$ 11,954.79	\$ 365.11	3.15%			\$ 12,224.60	\$ 269.81	2.26%