

## Espanola Regional Hydro Distribution Corporation (“ERHDC”)

### MANAGER’S SUMMARY

#### 2010 Distribution Rate Application under 3<sup>rd</sup> Generation IRM

**October 21, 2009**

##### 1. Introduction

ERHDC has prepared the 2010 IRM rate application consistent with the filing guidelines and reports issued by the Ontario Energy Board (the “OEB”). On July 22, 2010 the OEB issued *Chapter 3 of the Filing Requirements for Transmission and Distribution Applications and Guidelines for Electricity Distribution Retail Transmission Service Rates* (G-2008-0001). On July 31, 2009 the OEB issued a Report of the Board on *Electricity Distributors’ Deferral and Variance Account Review Initiative* (EB-2008-0046) and on August 24, 2009 the OEB issued the 2010 electricity distribution incentive regulation mechanism rate application models consisting of the 2010 rate generators, supporting filing modules, work forms and completion guidelines.

##### 2. Price Cap Index (X-factor)

ERHDC followed the OEB methodology and 3<sup>rd</sup> GIRM supplementary filing module for determining the price cap index adjustment factor. The calculation is as follows:

Price Escalator (GDP-IPI)	2.30%
Less Productivity Factor	-0.72%
Less Stretch Factor	<u>-0.40%</u>
Price Cap Index	1.18%

The GDP-IPI will be updated at the end of February 2010 when amounts are published by Statistics Canada and the change reflected in the final rate order issued by the Board. The productivity component of the X-factor is an external benchmark which all LDC’s are expected to achieve. The Board has determined the appropriate value for the productivity factor to be 0.72 percent and is fixed for the IRM plan term. ERHDC is classed in Group 2 based on the benchmarking evaluations resulting with a stretch factor of 0.4%. The stretch factor may change when the Board has completed the distributor benchmarking exercise and releases the 2010 stretch factor results.

##### 3. Revenue to Cost Ratio Adjustment

In the OEB decision dated June 3, 2008 for ERHDC’s 2008 Cost of Service application it was determined that three rate classes required adjustment to be within the Board’s targeted revenue to cost ratio’s. The Street Lights and Sentinel Lights were ordered to be moved 50% toward the bottom of the Board’s target ranges and the remaining 50% to be moved by equal increments in years 2009 and 2010. The General Service > 50 kW rate class was adjusted to achieve a 78% cost ratio in 2008 with the move to 100% to be done in 2009. The Board decided the offsetting revenue from the streetlight and sentinel light rate classes shall be allocated to the General Service < 50kw and residential rate classes. In prior years ERHDC calculated the ratios using the 2004 data to be consistent

with the informational filing. In this application ERHDC has recalculated the ratio's using the cost of service 2008 revenue requirement and followed the methodology outlined in the Board's 3<sup>rd</sup> generation supplemental filing module. The results of recalculating the ratios with the 2008 approved revenue indicated that the General Service > 50kW rate class did not reach the 100% revenue to cost ratio in 2009 and an additional adjustment will be required in 2010. There were also minor discrepancies in other rate classes. Below is a summary of ERHDC's cost ratios. In 2009 ERHDC adjusted the ratios to correct the issue related to the exclusion of the transformer ownership allowance; therefore, no further adjustment is required in this application.

<u>Customer Class</u>	<u>Informational Filing</u>	<u>2008 Board Approved</u>	<u>2009 Ratios approved in 2009 IRM Appl.</u>	<u>Corrected 2009 Ratios</u>	<u>2010 Ratios</u>	<u>Board Target Range</u>
Residential	109	104	101	102	99	85-115
GS < 50 kW	113	111	107	109	106	80-120
GS > 50 kW	57	78	100	88	100	80-180
Streetlights	16	43	57	57	70	70-120
Sentinel Lights	32	51	61	65	70	70-120
USL	92	92	92	92	92	80-120

Below is a summary of the adjustments being applied for by ERHDC and a verification of an immaterial impact on the revenue requirement due to rounding.

	Adjustment Required Base Service Charge	Adjustment Required Base Distribution Volumetric Rate kWh	Adjustment Required Base Distribution Volumetric Rate kW	Customers	kWh	kW	\$ Service Charge	\$ volumetric	Difference
Residential	(0.2678)	(0.0004)	0.0000	2,817	33,090,578		(9,052)	(12,265)	(21,316)
GS <50 kW	(0.3837)	(0.0004)	0.0000	431	14,771,227		(1,985)	(6,461)	(8,445)
GS > 50 kW	18.5815	0.0000	0.4606	16		37,580	3,568	17,310	20,877
USL	0.0000	0.0000	0.0000	11	125,709		-	-	-
Sentinel Light	0.0907	0.0000	0.8429	27		78	29	66	95
Street Lighting	0.2545	0.0000	3.3174	1,011		1,718	3,088	5,699	8,787
							(4,352)	4,350	(2)

#### 4. K-Factor Adjustment

The Ontario Energy Board report on Cost of Capital and 2<sup>nd</sup> Generation Incentive Regulation dated December 20, 2006 directed that distributors will be required to phase-in a deemed 60% debt and 40% equity capital structure to be completed by 2010. In ERHDC's 2008 Cost of Service Rate Application and the 2009 IRM application the first and second phases of the capital structure transition adjustment were completed. In this application ERHDC has applied for the final capital transition adjustment resulting in a K-Factor adjustment. The K-Factor calculation compares the revenue requirement before and after the capital structure transition. Refer to E1.2 "K-Factor Adjustment" in the 2010 OEB 3 GIRM Supplementary Filing Module. The K-Factor applied for in the 2010 IRM is -0.19%. A summary of the deemed capital structure is below:

	Short Term Debt	Long Term Debt	Equity
2008 Approved	4.0%	49.3%	46.7%
2009 3 <sup>rd</sup> Generation IRM Application	4.0%	52.7%	43.3%
2010 3 <sup>rd</sup> Generation IRM Application	4.0%	56.0%	40.0%

#### 5. Z- Factor Tax Sharing Rate Rider

ERHDC completed sheet F1.1 Z-Factor Tax Changes in the supplemental filing module included with this application. Consistent with prior years the tax changes did not impact ERHDC and therefore a Z-factor tax sharing rate rider is not requested in this application.

#### 6. Incremental Capital Adjustment

In the 2010 IRM application ERHDC has not applied to recover through rates any incremental capital investment needs.

#### 7. Smart Meters

At the time of this application ERHDC has not achieved 50% penetration of smart meters in its service area. Therefore ERHDC is applying for continuance of the standard \$1.00 smart meter funding adder that was approved in the 2009 IRM Application. A separate smart meter recovery application will be submitted to the Board at a later date.

#### 8. Transmission Network Rates

ERHDC has applied for a 3.5% uniform percentage increase to the 2010 network service rate and a reduction of 2.2% for the 2010 line and transformation connection service rate as per the OEB guidelines (G-2008-001) issued July 22, 2009. The percentage increase/decrease is calculated in the 3rd GIRM Rate Generator Model and included in the proposed rate schedule. Once the final adjustment is determined by the Board after January 1, 2010 the model will be adjusted by the OEB.

### 9. Low Voltage Volumetric Rate

In prior years ERHDC's low voltage volumetric rate (LV) adder was embedded in the distribution volumetric rate. For the purpose of transparency the Board has decided to identify rate adders separately on the 2010 rate schedule. ERHDC has separated the LV volumetric rate in the rate generator model and the proposed rate schedule.

### 10. Deferral and Variance Account Review

ERHDC is applying for disposal of Group 1 accounts as determined by the OEB in its Report on *Electricity Distributors' Deferral and Variance Account Review Initiative* issued July 31, 2009. ERHDC is applying for disposal of the following accounts:

- 1550 – LV Variance Account
- 1580 – Wholesale Market Service Charge
- 1584 – Retail Transmission Network Charge
- 1586 – Retail Transmission Connection Charge
- 1588 – RSVA Power (Excluding Global Adjustment)
- 1588 – Sub Account Power (Global Adjustment)
- 1590 – Recovery of Regulatory Asset Balance

Account 1595 is ERHDC's current regulatory asset recovery account with a rate rider effective until April 30, 2010. In a future application ERHDC will apply to dispose of the residual balance in 1595 when the rate rider is no longer in effect and the residual balance can be determined.

In the deferral and variance account work form submitted with this application ERHDC used billing determinants from the 2008 RRR reporting to allocate the regulatory asset recovery balance to the rate classes. Account 1590 is recovered based on the 2006 regulatory asset recovery proportionate share by rate class. Interest is projected until April 30, 2010 on the variance account balances and the recovery period applied for is one year. The total claim by variance account is below:

1550 – LV Variance Account	29,205
1580 – Wholesale Market Service Charge	(71,692)
1584 – Retail Transmission Network Charge	(118,324)
1586 – Retail Connection Transmission Charge	(297,687)
1588 – RSVA Power (Excluding Global Adjustment)	554,439
1588 – Sub Account Power (Global Adjustment)	36,083
1590 – Recovery of Regulatory Asset Balance	41,225
Total	173,249

The regulatory asset rate rider as calculated in the deferral and variance work form included in the application is as follows:

Residential	0.00293
General Service less than 50 kW	0.00269
General Service 50 to 4,999 kW	1.02710
Unmetered Scattered Load	0.00282
Sentinel Lighting	2.93320
Street Lighting	0.67684

#### 11. Summary of Results

ERHDC has applied for a deferral and variance account rate rider as stated above, a 3.5% uniform increase to the 2010 transmission network service rates and a reduction of 2.2% for the 2010 line and transformation connection service rate . The distribution service and volumetric charges applied for are summarized below:

<b>SUMMARY OF CHANGES</b>						
	Current Base	Revenue Cost	K-Factor	Price Cap	Low Voltage	Final Rates
	Rate	Ratio	Adjustment	Adjustment	separated from	Applied for
	2009	Adjustment			Vol. Distribution	in 2010 IRM
					Rates	
<b>Monthly Service Charge</b>						
Residential	10.21	-0.2700	-0.01940	0.11718		10.04
General Service < 50kW	18.30	-0.3800	-0.03477	0.21105		18.10
General Service > 50kW	142.47	18.5800	-0.27069	1.89755		162.68
USL	8.80	0.0000	-0.01672	0.10264		8.89
Sentinel Lighting	1.20	0.0910	-0.00228	0.00151		1.30
Street Lighting	1.15	0.2500	-0.00219	0.01649		1.41
<b>Volumetric Charge</b>						
Residential	0.0147	-0.0004	-0.00002	0.00014	-0.00230	0.0121
General Service < 50kW	0.0172	-0.0004	-0.00003	0.00017	-0.00210	0.0148
General Service > 50kW	3.5299	0.4606	-0.00511	0.03712	-0.84030	3.1822
USL	0.0134	0.0000	-0.00002	0.00013	-0.00210	0.0114
Sentinel Lighting	10.1438	0.8429	-0.01806	0.12187	-0.64100	10.4495
Street Lighting	14.9824	3.3174	-0.02725	0.20810	-0.64030	17.8403

12. Proposed Tariff of Rates and Charges

**Espanola Regional Hydro Distribution Corporation**  
**TARIFF OF RATES AND CHARGES**  
**Effective Saturday, May 01, 2010**

EB-2009-0224

## MONTHLY RATES AND CHARGES

## Applied For Monthly Rates and Charges General

**Residential**

Service Charge	\$	10.04
Service Charge Smart Meter Funding Adder	\$	1.00
Distribution Volumetric Rate	\$/kWh	0.0121
Low Voltage Volumetric Rate	\$/kWh	0.0023
Distribution Volumetric Deferral Account Rate Rider One – effective until Saturday, April 30, 2011	\$/kWh	0.00293
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0048
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0036
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

**General Service Less Than 50 kW**

Service Charge	\$	18.10
Service Charge Smart Meter Funding Adder	\$	1.00
Distribution Volumetric Rate	\$/kWh	0.0148
Low Voltage Volumetric Rate	\$/kWh	0.0021
Distribution Volumetric Deferral Account Rate Rider One – effective until Saturday, April 30, 2011	\$/kWh	0.00269
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0043
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0032
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

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

Service Charge	\$	162.68
Service Charge Smart Meter Funding Adder	\$	1.00
Distribution Volumetric Rate	\$/kW	3.1822
Low Voltage Volumetric Rate	\$/kW	0.8403
Distribution Volumetric Deferral Account Rate Rider One – effective until Saturday, April 30, 2011	\$/kW	1.02710
Retail Transmission Rate – Network Service Rate	\$/kW	1.7828
Retail Transmission Rate – Network Service Rate – Interval metered	\$/kW	2.0248
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.2781
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval metered	\$/kW	1.7916
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

**Unmetered Scattered Load**

Service Charge (per connection)	\$	8.89
Distribution Volumetric Rate	\$/kWh	0.0114
Low Voltage Volumetric Rate	\$/kWh	0.0021
Distribution Volumetric Deferral Account Rate Rider One – effective until Saturday, April 30, 2011	\$/kWh	0.00282
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0043
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0032
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

**Sentinel Lighting**

Service Charge (per connection)	\$	1.30
Distribution Volumetric Rate	\$/kW	10.4495
Low Voltage Volumetric Rate	\$/kW	0.6410
Distribution Volumetric Deferral Account Rate Rider One – effective until Saturday, April 30, 2011	\$/kW	2.93320
Retail Transmission Rate – Network Service Rate	\$/kW	1.3514
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.0087
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

**Street Lighting**

Service Charge (per connection)	\$	1.41
Distribution Volumetric Rate	\$/kW	17.8403
Low Voltage Volumetric Rate	\$/kW	0.6403
Distribution Volumetric Deferral Account Rate Rider One – effective until Saturday, April 30, 2011	\$/kW	0.67684
Retail Transmission Rate – Network Service Rate	\$/kW	1.3446
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.9881
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

**Specific Service Charges****Customer Administration**

Arrears certificate	\$	15.00
Account history	\$	15.00
Returned cheque charge (plus bank charges)	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

**Non-Payment of Account**

Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Collection of account charge - no disconnection	\$	30.00
Disconnect/Reconnect at meter - during regular hours	\$	65.00
Disconnect/Reconnect at pole - during regular hours	\$	185.00

**Other**

Temporary service install & remove - overhead - no transformer	\$	500.00
Temporary service install & remove - underground - no transformer	\$	300.00
Specific Charge for Access to the Power Poles \$/pole/year	\$	22.35

**Allowances**

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.60)
Primary Metering Allowance for transformer losses - applied to measured demand and energy	%	(1.00)

**Retail Service Charges (if applicable)****Retail Service Charges (if applicable)**

Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing credit, per customer, per retailer	\$/cust.	(0.30)

**Service Transaction Requests (STR)**

Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year		no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00

**LOSS FACTORS**

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0543
Total Loss Factor - Secondary Metered Customer > 5,000 kW	
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0443
Total Loss Factor - Primary Metered Customer > 5,000 kW	

**10. Bill Impacts**

Below are the bill impact schedules as a result of the rates applied for in the 2010 IRM application. Consumption levels are based on ERHDC's estimated average usage by customer/connection in each rate class.



**Residential**

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	11.21	10.04
Service Charge Rate Adder(s)	\$	-	1.00
Service Charge Rate Rider(s)	\$	-	-
Distribution Volumetric Rate	\$/kWh	0.0124	0.0121
Distribution Volumetric Rate Adder(s)	\$/kWh	-	-
Low Voltage Volumetric Rate	\$/kWh	0.0023	0.0023
Distribution Volumetric Rate Rider(s)	\$/kWh	0.0009	0.0029
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0046	0.0048
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0037	0.0036
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Bill Impacts by Rate Class

<b>Consumption</b>	<b>800 kWh</b>	<b>- kW</b>
<b>RPP Tier One</b>	<b>600 kWh</b>	<b>Load Factor</b>

**Loss Factor 1.0543**

Residential	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	600	0.0570	34.20	600	0.0570	34.20	0.00	0.0%	34.79%
Energy Second Tier (kWh)	244	0.0660	16.10	244	0.0660	16.10	0.00	0.0%	16.36%
<b>Sub-Total: Energy</b>			<b>50.30</b>			<b>50.30</b>	<b>0.00</b>	<b>0.0%</b>	<b>51.18%</b>
Service Charge	1	11.21	11.21	1	10.04	10.04	-1.17	(10.4)%	10.21%
Service Charge Rate Adder(s)	1	0.00	0.00	1	1.00	1.00	1.00	0.0%	1.02%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate	800	0.0124	9.92	800	0.0121	9.68	-0.24	(2.4)%	9.85%
Distribution Volumetric Rate Adder(s)	800	0.0000	0.00	800	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	800	0.0023	1.84	800	0.0023	1.84	0.00	0.0%	1.87%
Distribution Volumetric Rate Rider(s)	800	0.0009	0.72	800	0.0029	2.32	1.60	222.2%	2.36%
<b>Total: Distribution</b>			<b>23.69</b>			<b>24.88</b>	<b>1.19</b>	<b>5.0%</b>	<b>25.31%</b>
Retail Transmission Rate – Network Service Rate	844	0.0046	3.88	844	0.0048	4.05	0.17	4.4%	4.12%
Retail Transmission Rate – Line and Transformation Connection Service Rate	844	0.0037	3.12	844	0.0036	3.04	-0.08	(2.6)%	3.09%
<b>Total: Retail Transmission</b>			<b>7.00</b>			<b>7.09</b>	<b>0.09</b>	<b>1.3%</b>	<b>7.21%</b>
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>			<b>30.69</b>			<b>31.97</b>	<b>1.28</b>	<b>4.2%</b>	<b>32.53%</b>
Wholesale Market Service Rate	844	0.0052	4.39	844	0.0052	4.39	0.00	0.0%	4.47%
Rural Rate Protection Charge	844	0.0013	1.10	844	0.0013	1.10	0.00	0.0%	1.12%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.25%
<b>Sub-Total: Regulatory</b>			<b>5.74</b>			<b>5.74</b>	<b>0.00</b>	<b>0.0%</b>	<b>5.84%</b>
Debt Retirement Charge (DRC)	800	0.00700	5.60	800	0.00700	5.60	0.00	0.0%	5.70%
<b>Total Bill before Taxes</b>			<b>92.33</b>			<b>93.61</b>	<b>1.28</b>	<b>1.4%</b>	<b>95.24%</b>
GST	92.33	5%	4.62	93.61	5%	4.68	0.06	1.3%	4.76%
<b>Total Bill</b>			<b>96.95</b>			<b>98.29</b>	<b>1.34</b>	<b>1.4%</b>	<b>100.00%</b>

**General Service Less Than 50 kW**

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	19.30	18.10
Service Charge Rate Adder(s)	\$	-	1.00
Service Charge Rate Rider(s)	\$	-	-
Distribution Volumetric Rate	\$/kWh	0.0151	0.0148
Distribution Volumetric Rate Adder(s)	\$/kWh	-	-
Low Voltage Volumetric Rate	\$/kWh	0.0021	0.0021
Distribution Volumetric Rate Rider(s)	\$/kWh	0.0009	0.0027
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0042	0.0043
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0033	0.0032
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Bill Impacts by Rate Class

<b>Consumption</b>	<b>2,500</b>	<b>kWh</b>	<b>-</b>	<b>kW</b>
<b>RPP Tier One</b>	<b>750</b>	<b>kWh</b>	<b>Load Factor</b>	

**Loss Factor 1.0543**

General Service Less Than 50 kW		Volume	RATE	CHARGE	Volume	RATE	CHARGE	\$	%	% of Total Bill
			\$	\$		\$	\$			
Energy First Tier (kWh)		750	0.0570	42.75	750	0.0570	42.75	0.00	0.0%	14.04%
Energy Second Tier (kWh)		1,886	0.0660	124.48	1,886	0.0660	124.48	0.00	0.0%	40.88%
<b>Sub-Total: Energy</b>				<b>167.23</b>			<b>167.23</b>	<b>0.00</b>	<b>0.0%</b>	<b>54.92%</b>
Service Charge		1	19.30	19.30	1	18.10	18.10	-1.20	(6.2)%	5.94%
Service Charge Rate Adder(s)		1	0.00	0.00	1	1.00	1.00	1.00	0.0%	0.33%
Service Charge Rate Rider(s)		1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate		2,500	0.0151	37.75	2,500	0.0148	37.00	-0.75	(2.0)%	12.15%
Distribution Volumetric Rate Adder(s)		2,500	0.0000	0.00	2,500	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate		2,500	0.0021	5.25	2,500	0.0021	5.25	0.00	0.0%	1.72%
Distribution Volumetric Rate Rider(s)		2,500	0.0009	2.25	2,500	0.0027	6.75	4.50	200.0%	2.22%
<b>Total: Distribution</b>				<b>64.55</b>			<b>68.10</b>	<b>3.55</b>	<b>5.5%</b>	<b>22.37%</b>
Retail Transmission Rate – Network Service Rate		2,636	0.0042	11.07	2,636	0.0043	11.33	0.26	2.3%	3.72%
Retail Transmission Rate – Line and Transformation Connection Service Rate		2,636	0.0033	8.70	2,636	0.0032	8.44	-0.26	(3.0)%	2.77%
<b>Total: Retail Transmission</b>				<b>19.77</b>			<b>19.77</b>	<b>0.00</b>	<b>0.0%</b>	<b>6.49%</b>
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>				<b>84.32</b>			<b>87.87</b>	<b>3.55</b>	<b>4.2%</b>	<b>28.86%</b>
Wholesale Market Service Rate		2,636	0.0052	13.71	2,636	0.0052	13.71	0.00	0.0%	4.50%
Rural Rate Protection Charge		2,636	0.0013	3.43	2,636	0.0013	3.43	0.00	0.0%	1.13%
Standard Supply Service – Administration Charge (if applicable)		1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.08%
<b>Sub-Total: Regulatory</b>				<b>17.39</b>			<b>17.39</b>	<b>0.00</b>	<b>0.0%</b>	<b>5.71%</b>
Debt Retirement Charge (DRC)		2,500	0.00700	17.50	2,500	0.00700	17.50	0.00	0.0%	5.75%
<b>Total Bill before Taxes</b>				<b>286.44</b>			<b>289.99</b>	<b>3.55</b>	<b>1.2%</b>	<b>95.24%</b>
GST		286.44	5%	14.32	289.99	5%	14.50	0.18	1.3%	4.76%
<b>Total Bill</b>				<b>300.76</b>			<b>304.49</b>	<b>3.73</b>	<b>1.2%</b>	<b>100.00%</b>

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

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	143.47	162.68
Service Charge Rate Adder(s)	\$	-	1.00
Service Charge Rate Rider(s)	\$	-	-
Distribution Volumetric Rate	\$/kW	2.6896	3.1822
Distribution Volumetric Rate Adder(s)	\$/kW	-	-
Low Voltage Volumetric Rate	\$/kW	0.8403	0.8403
Distribution Volumetric Rate Rider(s)	\$/kW	0.2386	1.0271
Retail Transmission Rate – Network Service Rate	\$/kW	1.7225	1.7828
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.3068	1.2781
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Bill Impacts by Rate Class

<b>Consumption</b>	<b>83,000</b>	<b>kWh</b>	<b>189</b>	<b>kW</b>
<b>RPP Tier One</b>	<b>750</b>	<b>kWh</b>	<b>Load Factor</b>	<b>60.2%</b>

**Loss Factor 1.0543**

General Service 50 to 4,999 kW	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.0%	0.47%
Energy Second Tier (kWh)	86,757	0.0660	5,725.96	86,757	0.0660	5,725.96	0.00	0.0%	63.30%
<b>Sub-Total: Energy</b>			<b>5,768.71</b>			<b>5,768.71</b>	<b>0.00</b>	<b>0.0%</b>	<b>63.77%</b>
Service Charge	1	143.47	143.47	1	162.68	162.68	19.21	13.4%	1.80%
Service Charge Rate Adder(s)	1	0.00	0.00	1	1.00	1.00	1.00	0.0%	0.01%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate	189	2.6896	508.33	189	3.1822	601.44	93.11	18.3%	6.65%
Distribution Volumetric Rate Adder(s)	189	0.0000	0.00	189	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	189	0.8403	158.82	189	0.8403	158.82	0.00	0.0%	1.76%
Distribution Volumetric Rate Rider(s)	189	0.2386	45.10	189	1.0271	194.12	149.02	330.4%	2.15%
<b>Total: Distribution</b>			<b>855.72</b>			<b>1,118.06</b>	<b>262.34</b>	<b>30.7%</b>	<b>12.36%</b>
Retail Transmission Rate – Network Service Rate	189	1.7225	325.55	189	1.7828	336.95	11.40	3.5%	3.72%
Retail Transmission Rate – Line and Transformation Connection Service Rate	189	1.3068	246.99	189	1.2781	241.56	-5.43	(2.2)%	2.67%
<b>Total: Retail Transmission</b>			<b>572.54</b>			<b>578.51</b>	<b>5.97</b>	<b>1.0%</b>	<b>6.40%</b>
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>			<b>1,428.26</b>			<b>1,696.57</b>	<b>268.31</b>	<b>18.8%</b>	<b>18.75%</b>
Wholesale Market Service Rate	87,507	0.0052	455.04	87,507	0.0052	455.04	0.00	0.0%	5.03%
Rural Rate Protection Charge	87,507	0.0013	113.76	87,507	0.0013	113.76	0.00	0.0%	1.26%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.00%
<b>Sub-Total: Regulatory</b>			<b>569.05</b>			<b>569.05</b>	<b>0.00</b>	<b>0.0%</b>	<b>6.29%</b>
Debt Retirement Charge (DRC)	83,000	0.00700	581.00	83,000	0.00700	581.00	0.00	0.0%	6.42%
<b>Total Bill before Taxes</b>			<b>8,347.02</b>			<b>8,615.33</b>	<b>268.31</b>	<b>3.2%</b>	<b>95.24%</b>
GST	8,347.02	5%	417.35	8,615.33	5%	430.77	13.42	3.2%	4.76%
<b>Total Bill</b>			<b>8,764.37</b>			<b>9,046.10</b>	<b>281.73</b>	<b>3.2%</b>	<b>100.00%</b>

**Unmetered Scattered Load**

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	8.80	8.89
Service Charge Rate Adder(s)	\$	-	-
Service Charge Rate Rider(s)	\$	-	-
Distribution Volumetric Rate	\$/kWh	0.0113	0.0114
Distribution Volumetric Rate Adder(s)	\$/kWh	-	-
Low Voltage Volumetric Rate	\$/kWh	0.0021	0.0021
Distribution Volumetric Rate Rider(s)	\$/kWh	0.0009	0.0028
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0042	0.0043
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0033	0.0032
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Bill Impacts by Rate Class

<b>Consumption</b>	<b>925 kWh</b>	<b>0 kW</b>
<b>RPP Tier One</b>	<b>750 kWh</b>	<b>Load Factor</b>

**Loss Factor 1.0543**

Unmetered Scattered Load	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	0.0570	42.75	750	0.0570	42.75	0.00	0.0%	39.90%
Energy Second Tier (kWh)	226	0.0660	14.92	226	0.0660	14.92	0.00	0.0%	13.93%
<b>Sub-Total: Energy</b>			<b>57.67</b>			<b>57.67</b>	<b>0.00</b>	<b>0.0%</b>	<b>53.83%</b>
Service Charge	1	8.80	8.80	1	8.89	8.89	0.09	1.0%	8.30%
Service Charge Rate Adder(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate	925	0.0113	10.45	925	0.0114	10.55	0.10	1.0%	9.85%
Distribution Volumetric Rate Adder(s)	925	0.0000	0.00	925	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	925	0.0021	1.94	925	0.0021	1.94	0.00	0.0%	1.81%
Distribution Volumetric Rate Rider(s)	925	0.0009	0.83	925	0.0028	2.59	1.76	212.0%	2.42%
<b>Total: Distribution</b>			<b>22.02</b>			<b>23.97</b>	<b>1.95</b>	<b>8.9%</b>	<b>22.37%</b>
Retail Transmission Rate – Network Service Rate	976	0.0042	4.10	976	0.0043	4.20	0.10	2.4%	3.92%
Retail Transmission Rate – Line and Transformation Connection Service Rate	976	0.0033	3.22	976	0.0032	3.12	-0.10	(3.1)%	2.91%
<b>Total: Retail Transmission</b>			<b>7.32</b>			<b>7.32</b>	<b>0.00</b>	<b>0.0%</b>	<b>6.83%</b>
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>			<b>29.34</b>			<b>31.29</b>	<b>1.95</b>	<b>6.6%</b>	<b>29.20%</b>
Wholesale Market Service Rate	976	0.0052	5.08	976	0.0052	5.08	0.00	0.0%	4.74%
Rural Rate Protection Charge	976	0.0013	1.27	976	0.0013	1.27	0.00	0.0%	1.19%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	0.23%
<b>Sub-Total: Regulatory</b>			<b>6.60</b>			<b>6.60</b>	<b>0.00</b>	<b>0.0%</b>	<b>6.16%</b>
Debt Retirement Charge (DRC)	925	0.00700	6.48	925	0.00700	6.48	0.00	0.0%	6.05%
<b>Total Bill before Taxes</b>			<b>100.09</b>			<b>102.04</b>	<b>1.95</b>	<b>1.9%</b>	<b>95.24%</b>
GST	100.09	5%	5.00	102.04	5%	5.10	0.10	2.0%	4.76%
<b>Total Bill</b>			<b>105.09</b>			<b>107.14</b>	<b>2.05</b>	<b>2.0%</b>	<b>100.00%</b>

**Sentinel Lighting** ▼

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	1.20	1.30
Service Charge Rate Adder(s)	\$	-	-
Service Charge Rate Rider(s)	\$	-	-
Distribution Volumetric Rate	\$/kW	9.5028	10.4495
Distribution Volumetric Rate Adder(s)	\$/kW	-	-
Low Voltage Volumetric Rate	\$/kW	0.6410	0.6410
Distribution Volumetric Rate Rider(s)	\$/kW	0.3766	2.9332
Retail Transmission Rate – Network Service Rate	\$/kW	1.3057	1.3514
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.0314	1.0087
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Bill Impacts by Rate Class

<b>Consumption</b>	<b>49 kWh</b>	<b>0.14 kW</b>
<b>RPP Tier One</b>	<b>750 kWh</b>	<b>Load Factor 48.0%</b>

**Loss Factor 1.0543**

Sentinel Lighting	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	52	0.0570	2.96	52	0.0570	2.96	0.00	0.0%	37.71%
Energy Second Tier (kWh)	0	0.0660	0.00	0	0.0660	0.00	0.00	0.0%	0.00%
<b>Sub-Total: Energy</b>			<b>2.96</b>			<b>2.96</b>	<b>0.00</b>	<b>0.0%</b>	<b>37.71%</b>
Service Charge	1	1.20	1.20	1	1.30	1.30	0.10	8.3%	16.56%
Service Charge Rate Adder(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate	0.14	9.5028	1.33	0.14	10.4495	1.46	0.13	9.8%	18.60%
Distribution Volumetric Rate Adder(s)	0.14	0.0000	0.00	0.14	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	0.14	0.6410	0.09	0.14	0.6410	0.09	0.00	0.0%	1.15%
Distribution Volumetric Rate Rider(s)	0.14	0.3766	0.05	0.14	2.9332	0.41	0.36	720.0%	5.22%
<b>Total: Distribution</b>			<b>2.67</b>			<b>3.26</b>	<b>0.59</b>	<b>22.1%</b>	<b>41.53%</b>
Retail Transmission Rate – Network Service Rate	0.14	1.3057	0.18	0.14	1.3514	0.19	0.01	5.6%	2.42%
Retail Transmission Rate – Line and Transformation Connection Service Rate	0.14	1.0314	0.14	0.14	1.0087	0.14	0.00	0.0%	1.78%
<b>Total: Retail Transmission</b>			<b>0.32</b>			<b>0.33</b>	<b>0.01</b>	<b>3.1%</b>	<b>4.20%</b>
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>			<b>2.99</b>			<b>3.59</b>	<b>0.60</b>	<b>20.1%</b>	<b>45.73%</b>
Wholesale Market Service Rate	52	0.0052	0.27	52	0.0052	0.27	0.00	0.0%	3.44%
Rural Rate Protection Charge	52	0.0013	0.07	52	0.0013	0.07	0.00	0.0%	0.89%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	3.18%
<b>Sub-Total: Regulatory</b>			<b>0.59</b>			<b>0.59</b>	<b>0.00</b>	<b>0.0%</b>	<b>7.52%</b>
Debt Retirement Charge (DRC)	49	0.00700	0.34	49	0.00700	0.34	0.00	0.0%	4.33%
<b>Total Bill before Taxes</b>			<b>6.88</b>			<b>7.48</b>	<b>0.60</b>	<b>8.7%</b>	<b>95.29%</b>
GST	6.88	5%	0.34	7.48	5%	0.37	0.03	8.8%	4.71%
<b>Total Bill</b>			<b>7.22</b>			<b>7.85</b>	<b>0.63</b>	<b>8.7%</b>	<b>100.00%</b>

**Street Lighting**

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	1.15	1.41
Service Charge Rate Adder(s)	\$	-	-
Service Charge Rate Rider(s)	\$	-	-
Distribution Volumetric Rate	\$/kW	14.3421	17.8403
Distribution Volumetric Rate Adder(s)	\$/kW	-	-
Low Voltage Volumetric Rate	\$/kW	0.6403	0.6403
Distribution Volumetric Rate Rider(s)	\$/kW	0.4499	0.6768
Retail Transmission Rate – Network Service Rate	\$/kW	1.2991	1.3446
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.0103	0.9881
Wholesale Market Service Rate	\$/kWh	0.0052	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Standard Supply Service – Administration Charge (if applicable)	\$/kWh	0.25	0.25

Bill Impacts by Rate Class

<b>Consumption</b>	<b>91</b>	<b>kWh</b>	<b>0.14</b>	<b>kW</b>
<b>RPP Tier One</b>	<b>750</b>	<b>kWh</b>	<b>Load Factor</b>	<b>89.1%</b>

**Loss Factor 1.0543**

Street Lighting	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	96	0.0570	5.47	96	0.0570	5.47	0.00	0.0%	45.70%
Energy Second Tier (kWh)	0	0.0660	0.00	0	0.0660	0.00	0.00	0.0%	0.00%
<b>Sub-Total: Energy</b>			<b>5.47</b>			<b>5.47</b>	<b>0.00</b>	<b>0.0%</b>	<b>45.70%</b>
Service Charge	1	1.15	1.15	1	1.41	1.41	0.26	22.6%	11.78%
Service Charge Rate Adder(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Service Charge Rate Rider(s)	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate	0.14	14.3421	2.01	0.14	17.8403	2.50	0.49	24.4%	20.89%
Distribution Volumetric Rate Adder(s)	0.14	0.0000	0.00	0.14	0.0000	0.00	0.00	0.0%	0.00%
Low Voltage Volumetric Rate	0.14	0.6403	0.09	0.14	0.6403	0.09	0.00	0.0%	0.75%
Distribution Volumetric Rate Rider(s)	0.14	0.4499	0.06	0.14	0.6768	0.09	0.03	50.0%	0.75%
<b>Total: Distribution</b>			<b>3.31</b>			<b>4.09</b>	<b>0.78</b>	<b>23.6%</b>	<b>34.17%</b>
Retail Transmission Rate – Network Service Rate	0.14	1.2991	0.18	0.14	1.3446	0.19	0.01	5.6%	1.59%
Retail Transmission Rate – Line and Transformation Connection Service Rate	0.14	1.0103	0.14	0.14	0.9881	0.14	0.00	0.0%	1.17%
<b>Total: Retail Transmission</b>			<b>0.32</b>			<b>0.33</b>	<b>0.01</b>	<b>3.1%</b>	<b>2.76%</b>
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>			<b>3.63</b>			<b>4.42</b>	<b>0.79</b>	<b>21.8%</b>	<b>36.93%</b>
Wholesale Market Service Rate	96	0.0052	0.50	96	0.0052	0.50	0.00	0.0%	4.18%
Rural Rate Protection Charge	96	0.0013	0.12	96	0.0013	0.12	0.00	0.0%	1.00%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	1	0.25	0.25	0.00	0.0%	2.09%
<b>Sub-Total: Regulatory</b>			<b>0.87</b>			<b>0.87</b>	<b>0.00</b>	<b>0.0%</b>	<b>7.27%</b>
Debt Retirement Charge (DRC)	91	0.00700	0.64	91	0.00700	0.64	0.00	0.0%	5.35%
<b>Total Bill before Taxes</b>			<b>10.61</b>			<b>11.40</b>	<b>0.79</b>	<b>7.4%</b>	<b>95.24%</b>
GST	10.61	5%	0.53	11.40	5%	0.57	0.04	7.5%	4.76%
<b>Total Bill</b>			<b>11.14</b>			<b>11.97</b>	<b>0.83</b>	<b>7.5%</b>	<b>100.00%</b>