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Newmarket-Tay Power Distribution Ltd.

September 12, 2019

Ontario Energy Board
2300 Yonge Street
P.O. Box 2319,
Suite 2700
Toronto, ON
M4P 1E4

Dear Ms. Walli:

Re: Newmarket-Tay Power Distribution Ltd. ("NT Power")
Updated Cost Allocation Models

In its Decision and Order on August 23, 2018 granting approval for NT Power to purchase and amalgamate with Midland Power Utility Corporation ("Midland Power") EB-2017-0269, the Ontario Energy Board (the "OEB") ordered:

"Newmarket-Tay Power Distribution Ltd. Shall update their cost allocation models and file these models with the OEB no later than twelve months following Newmarket-Tay Power Distribution Ltd.'s acquisition of all shares of Midland Power Utility Corporation. This filing shall also include a proposal that demonstrates how rates that are too high or too low relative to the OEB's cost allocation policies will be adjusted over time[1]."

The OEB also approved a 10-year deferral period for the rebasing of Midland Power's rates and the rates of the consolidated entity[2]. NT Power is maintaining two rate zones until rates are rebased:

- Newmarket – Tay Rate Zone ("NTRZ"); and
- Midland Rate Zone ("MRZ")

Enclosed is NT Power's updated Cost Allocation filing and Excel models for the NTRZ and MRZ. NT Power has identified there are NTRZ customer classes outside the OEB target cost allocation bands based on the updated cost allocation models. The MRZ customer classes are within the target allocation bands with the exception of the street light class. NT Power submits that the adjustment required in this case is immaterial and not warranted at this time.

[1] Ontario Energy Board Decision and Order EB-2017-0269, August 23, 2018 p.24
[2] Ontario Energy Board Decision and Order EB-2017-0269, August 23, 2018 p.22

NT Power is proposing to adjust the affected NTRZ customer class rates to be within the OEB target cost allocation bands effective May 1, 2020. This will impact the NTRZ street light, sentinel light, unmetered scattered load and residential customer classes.

Please do not hesitate to contact the undersigned if you have any questions in relation to the foregoing.

Yours truly,

Laurie Ann Cooledge, CPA, CMA, CPA
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Midland Rate Zone (MRZ)

- **APPENDIX 1-2: COST ALLOCATION MODEL – SPECIFIC INPUT AND OUTPUT SHEETS**

1.0 COST ALLOCATION

1.1 Cost Allocation Study Requirements

1.1.1 Introduction

The OEB outlined its cost allocation policies in the November 28, 2007 *Application of Cost Allocation for Electricity Distributors* and March 31, 2011 *Review of Electricity Distribution Cost Allocation Policy* (EB-2010-0219) reports (the "Cost Allocation Reports").

NT Power utilized the updated OEB-approved Cost Allocation Model (version 3.6 – issued July 12, 2018) and adhered to the instructions and guidelines issued by the OEB. The cost allocation models contain the 2018 actual costs, customer numbers, kWh and kW values for each rate zone.

Below is a summary of the process that NT Power applied in completing both the NTRZ and MRZ cost allocation models:

- Worksheet I3 - Trial Balance Data has been populated using the 2018 audited financial data, net income, PILS, and interest on long term debt. The revenue requirement is consistent with the total 2018 revenue collected by rate zone.
- Worksheet I4 -Break-out of Assets, NT Power updated the break-out of assets between primary and secondary assets based on engineering records and data from customer and financial information systems.
- Worksheet I5.1 - Miscellaneous data, NT Power updated the kilometer of roads in the service area and the proportion of pole rental revenue from secondary poles.
- Worksheet I5.2 -Weighting Factors includes LDC specific factors as directed by the OEB.

Weighting Factors

As instructed by the OEB in worksheet I5.2 – Weighting Factors, NT Power has developed service and billing & collecting factors for each of the NTRZ and MRZ customer classifications. The weighting factors are presented in the Table 1 and 2.

Table 1: Service Weighting Factors	
Rate Class	**Factor**
Residential – NTRZ	1.0
General Service Less Than 50 kW - NTRZ	0.1
General Service 50 to 4,999 kW - NTRZ	0.0
Sentinel Lighting - NTRZ	0.0
Street Lighting - NTRZ	0.0
Unmetered Scattered Load - NTRZ	0.0
Residential – MRZ	1.0
General Service < 50 kW - MRZ	0.1
General Service >= 50 kW - MRZ	0.0
Street Lighting - MRZ	0.0
Unmetered Scattered Load - MRZ	0.0

The Service Weighting factors were developed by rate zone based on:

- The weighting factor for the residential class for both rate zones is set to “1” as per the instructions in the Cost Allocation Reports.
- The general service less than 50kW factor is based on the costs for services to approximately 10% of NTRZ and MRZ customers in this class that have legacy services owned by NT Power resulting in a factor of 0.1. The remaining 90% of services are owned and maintained by the customer.
- All general service 50kW or greater, street light, sentinel light and unmetered scattered load services in both rate zones are owned by the customers resulting in a factor of 0.

Table 2: Billing Weighting Factors	
Rate Class	**Factor**
Residential – NTRZ	1.0
General Service less than 50 kW - NTRZ	1.0
General Service 50 to 4,999 kW - NTRZ	1.9
Sentinel Lighting - NTRZ	0.4
Street Lighting - NTRZ	0.4
Unmetered Scattered Load - NTRZ	0.4
Residential – MRZ	1.0
General Service less than 50 kW - MRZ	1.0
General Service 50 to 4,999 kW - MRZ	2.1
Street Lighting - MRZ	0.7
Unmetered Scattered Load - MRZ	0.7

The Billing & Collecting Weighting factors were developed by rate zone based on:

- The weighting factor for the residential class for both rate zones is set to "1" as per the instructions in the Cost Allocation Reports.
- The GS<50 customer class has the same weighting factor as the residential customer class in both rate zones as the costs are similar to the residential class.
- The GS>50 customer class billing weighting factor for the NTRZ is based on the validation process of the monthly billing. 80% of NTRZ meters in this class are still being read manually requiring additional billing validation processes.
- The GS>50 customer class billing weighting factor for the MRZ is based on the validation process of the monthly billing
- The sentinel lighting, street lighting and unmetered scattered load weighting factors for both rate zones are based on no required collection costs.

- Worksheet "I6.1 – Revenue" reflects the actual 2018 kWh and kW by rate class. The revenue shown in rows 39 to 41 are consistent with actual 2018 distribution revenues by rate class. Adjustments in row 37 have been included to insure the revenues in rows 39 to 41 match the actual 2018 distribution revenues.
- Worksheet "I6.2 – Customer Data" has been updated to reflect 2018 actual data for customers, connections, devices and number of bills. Bad Debt and Late Payment values are a 3-year average of actual data.
- Worksheets "I7.1 – Meter Capital" have been updated based upon the following current meter costs:

Table 3: Meter Cost

Meter Type	Cost per Meter ($)
Single Phase 200 Amp - Urban (Smart Meter) - NTRZ	231
Single Phase 200 Amp - Rural – NTRZ	236
Central Meter – NTRZ	270
Network Meter – NTRZ	401
Three-phase - No demand – NTRZ	532
Demand without IT – NTRZ	859
Demand with IT – NTRZ	2,152
Demand with IT & Interval Capability - Secondary – NTRZ	2,362
Demand with IT & Interval Capability - Primary – NTRZ	26,913
LDC Specific – Demand with IT and Interval Capability-Secondary Power Quality - NTRZ	9,173
Single Phase 200 Amp - Urban - MRZ	107
Central Meter – MRZ	176
Network Meter – MRZ	177
Demand without IT – MRZ	589
Demand with IT- MRZ	678
Demand with IT and Interval Capability - Secondary- MRZ	737

NTRZ and MRZ determined the cost per meter by reviewing internal financial records of current meter cost by meter type.

- Worksheet "I7.2 – Meter Reading" has been updated with the current meter reading weighting factors:

Table 4: Meter Reading Factors	
Rate Class	**Factor**
Smart Meter - NTRZ	1.0
Smart Meter with Demand - NTRZ	10.0
Interval Meter - NTRZ	4.0
Smart Meter – MRZ	1.0
Smart Meter with Demand - MRZ	1.25
Interval Meter- MRZ	4.0

The Meter Reading Weighting factors were developed by rate zone based on:

- The weighting factor for a smart meter for both rate zones is set to "1".
- Smart meters with demand in the MRZ are based on additional processes required for the demand readings.
- Smart meters with demand in the NTRZ are read manually
- Interval meters in both rate zones utilize a proprietary meter interrogation/reading process with higher costs.

- Worksheet "I8 – Demand Data" reflects the findings of the 2004 hour by hour load data being scaled to be consistent with 2018 actual kWh by rate zone and rate class. The results of the scaling process are provided below. NT Power was not able to update its load profiles at this time due to metering and system restrictions primarily related to consumption data for some meter types that still require manual reads. NT Power is working with their automated meter infrastructure providers to ensure the required data is available. NT Power confirms that it intends to put plans in place to update its load profiles the next time a cost allocation model is filed.

Table 5: Load Profile Scaling Percentages

Rate Class	2004 Weather Normal Values used in Original Filing (kWh)	2018 (kWh)	Scaling Factor
Residential - NTRZ	238,398,566	282,139,763	118.3%
General Service less than 50 kW - NTRZ	111,043,165	91,548,982	82.4%
General Service 50 to 4,999 kW - NTRZ	302,277,186	278,825,252	92.2%
Sentinel Lighting - NTRZ	342,732	275,116	80.3%
Street Lighting - NTRZ	4,494,889	2,565,174	57.1%
Unmetered Scattered Load - NTRZ	220,379	552,037	250.5%
Total - NTRZ	656,776,917	655,906,325	
Residential - MRZ	49,978,185	50,684,557	101.4%
General Service less than 50 kW - MRZ	28,403,343	24,374,246	85.8%
General Service 50 to 4,999 kW - MRZ	162,088,407	113,618,428	70.1%
Street Lighting - MRZ	1,152,865	519,881	45.1%
Unmetered Scattered Load - MRZ	854,570	395,009	46.2%
Total - MRZ	242,477,370	189,592,121	

- Worksheet "I9. - Direct Allocations" has not been used as NT Power has determined there are no costs to be directly allocated.

1.2. Specific Customer Classes

NT Power proposes no changes to the rate classes in the two rate zones.

1.3 Class Revenue Requirements

1.3.1 Class Revenue Requirements

NT Power's assets were broken out into primary and secondary distribution functions using breakout percentages of assets, capital contributions, depreciation, accumulated depreciation, customer data and load data by primary, line transformer and secondary categories that were developed from the best data available to NT Power, its engineering records, and its customer and financial information systems. An Excel version of the updated cost allocation study has been included with the filed application material. In addition, Appendix 1-1 NTRZ and Appendix 1-2 MRZ outlines Input Sheets I-6 & I-8 and Output Sheets O-1 & O-2 (first page only) for both rate zones.

The table below demonstrates NT Power's 2018 revenue and allocated costs from the cost allocation models:

Table 6: Service Revenue Requirements

	Service Revenue Requirement	
Rate Class	Revenue	Allocated Costs
Residential - NTRZ	$12,414,794	$13,385,478
General Service less than 50 kW - NTRZ	$3,369,206	$2,881,045
General Service 50 to 4,999 kW - NTRZ	$3,958,236	$3,880,902
Sentinel Lighting - NTRZ	$15,499	$9,734
Street Lighting - NTRZ	$567,319	$181,796
Unmetered Scattered Load - NTRZ	$23,783	$9,882
Total - NTRZ	$20,348,837	$20,348,837
Residential - MRZ	$2,895,093	$2,876,301
General Service less than 50 kW - MRZ	$666,544	$584,693
General Service 50 to 4,999 kW - MRZ	$1,127,610	$1,252,697
Street Lighting - MRZ	$94,821	$70,936
Unmetered Scattered Load - MRZ	$6,623	$6,064
Total - MRZ	$4,790,691	$4,790,691

1.4 Revenue to Cost Ratios

1.4.1 Revenue to Cost Ratios

The Cost Allocation Reports established updated "target ranges" for the revenue to cost ratios for each customer class. The OEB's review of the Street Lighting cost allocation methodology resulted in an updated target range for that rate class. The Table below identifies the revenue to cost ratios calculated prior to and after the proposed Test Year rate design in comparison with the "target ranges" (all ratios exclude revenues and costs related to transformer ownership allowance).

Table 7: Revenue / Cost Ratios (%)			
Rate Class	**Model**	**Proposed**	**OEB Target Range (%)**
Residential - NTRZ	92.75%	95.47%	85 - 115
General Service less than 50 kW - NTRZ	116.94%	116.94%	80 - 120
General Service 50 to 4,999 kW - NTRZ	101.99%	101.99%	80 - 120
Sentinel Lighting - NTRZ	159.23%	120.00%	80 - 120
Street Lighting - NTRZ	312.06%	120.00%	80 - 120
Unmetered Scattered Load - NTRZ	240.68%	120.00%	80 - 120
Residential - MRZ	100.65%	100.65%	85 - 115
General Service less than 50 kW - MRZ	114.00%	114.00%	80 - 120
General Service 50 to 4,999 kW - MRZ	90.01%	90.01%	80 - 120
Street Lighting - MRZ	133.67%	133.67%	80 - 120
Unmetered Scattered Load - MRZ	109.21%	109.21%	80 - 120

NT Power is proposing to move the revenue to cost ratios for Sentinel Lighting, Street Lighting and Unmetered Scattered Load to the OEB's guideline of 120% and to maintain revenue neutrality by increasing revenue to cost ratio for the Residential class to 95.47%. For the MRZ, NT Power proposes that no changes be made to the revenue to cost ratios. Although the Street Lighting ratio is outside the OEB's guideline the movement to 120% would be approximately $9,700 in revenue. NT Power submits that this adjustment is immaterial and such a change is not warranted at this time.

1.5 Rate Adjustment

The proposed rate adjustment by NTRZ customer class is provided in the following table:

Table 8: NTRZ Revenue vs costs adjustment by customer class analysis

Customer Class	OEB target bands	Revenue vs Cost ratios	Revenue vs Costs amounts	Adjustment to OEB band	Revenue vs Costs ratio incl adj
Residential	85-115%	92.75%	$(970,683)	$(364,907)	95.47%
General Service less than 50 kW	80-120%	116.94%	$488,161	NA	116.94%
General Service 50 to 4,999 kW	80-120%	101.99%	$77,334	NA	101.99%
Sentinel Lighting	80-120%	159.23%	$5,765	$3,818	120.00%
Street Lighting	80-120%	312.06%	$385,522	$349,164	120.00%
Unmetered Scattered Load	80-120%	240.68%	$13,901	$11,925	120.00%

NT Power is presenting the revenue vs cost ratios and amounts as provided from Appendix 1-1 sheet O1 Revenue to Cost summary Worksheet. The adjustment to OEB band column represents the amount required to adjust Sentinel Lighting, Street Lighting, and Unmetered Scattered Load customer classes to the upper limit of the OEB target band. The offsetting adjustment would be applied to the Residential customer class. NT Power is further proposing the rate adjustments by customer classes be effective May 1, 2020.

The detailed bill impact by customer class resulting from these changes are provided in Appendix 1.3. The bill impact summary by customer class is provided in the following table:

Table 9: NTRZ Total monthly bill impact by customer class						
Customer class	**# of customers**	**kW or kWh**	**Band Adjustment**	**Billing Determinant**	**Distribution Rate Impact**	**Total Bill impact %**
Residential	32,622	NA	$(364,907)	Customer	$0.93	0.91%
Sentinel Lighting	32	764 kW	$3,818	kW	$(4.9976)	(0.13%)
Street Lighting	3	6,897 kW	$349,164	kW	$(50.6255)	(61.84%)
Unmetered Scattered Load	46	552,037 kWh	$11,925	kWh	$(0.0216)	(0.13%)

The distribution rate impact (fixed or variable) is a result of dividing the band adjustment by the billing determinant. The total bill impact percentage is based on the monthly bill impact by customer class. The detailed bill impact by customer class provided in Appendix 1-3.

APPENDIX 1-1: Newmarket Tay Rate Zone - COST ALLOCATION SHEETS I6.1, I6.2, I8, O1, and O2

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Sheet I6.1 Revenue Worksheet - Application

Total kWhs from Load Forecast	655,906,325
Total kWs from Load Forecast	629,466
Deficiency/sufficiency (RRWF 8. cell F51)	-
Miscellaneous Revenue (RRWF 5. cell F48)	2,985,613

Billing Data

			1	2	3	7	8	9
	ID	**Total**	**Residential**	**GS <50**	**GENERAL SERVICE 50 TO 4,999 KW**	**Street Light**	**SENTINEL LIGHTING**	**UNMETERED SCATTERED LOAD**
Forecast kWh	CEN	655,906,325	282,139,763	91,548,982	278,825,252	2,565,174	275,116	552,037
Forecast kW	CDEM	629,466	-	-	621,805	6,897	764	-
Forecast kW, included in CDEM, of customers receiving line transformer allowance		34,038			34,038			
Optional - Forecast kWh, included in CEN, from customers that receive a line transformation allowance on a kWh basis. In most cases this will not be applicable and will be left blank.		-						
KWh excluding KWh from Wholesale Market Participants	CEN EWMP	651,438,541	282,139,763	91,548,982	274,357,468	2,565,174	275,116	552,037
Existing Monthly Charge			$23.32	$30.67	$139.09	$3.20	$3.26	$17.71
Existing Distribution kWh Rate			$0.01	$0.02				$0.02
Existing Distribution kW Rate					$4.87	$15.93	$12.50	
Existing TOA Rate			$0.85	$0.85	$0.85	$0.85	$0.85	$0.85
Additional Charges			($230,005.00)	($23,248.00)	($128,401.00)	$52,060.00	$3,250.00	$1,097.00
Distribution Revenue from Rates		$17,392,157	$10,320,344	$2,986,410	$3,537,810	$511,412	$14,064	$22,118
Transformer Ownership Allowance		$28,932	$0	$0	$28,932	$0	$0	$0
Net Class Revenue	CREV	$17,363,225	$10,320,344	$2,986,410	$3,508,877	$511,412	$14,064	$22,118

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Sheet I6.2 Customer Data Worksheet - Application

Billing Data	ID	Total	1 Residential	2 GS <50	3 GENERAL SERVICE 50 TO 4,999 KW	7 Street Light	8 SENTINEL LIGHTING	9 UNMETERED SCATTERED LOAD
Bad Debt 3 Year Historical Average	BDHA	$116,400	$84,080	$9,470	$22,850	$0	$0	$0
Late Payment 3 Year Historical Average	LPHA	$170,032	$96,454	$28,065	$45,214	$66	$63	$171
Number of Bills	CNB	435,278	391,464	38,232	4,608	36	386	552
Number of Devices	CDEV					9,091		
Number of Connections (Unmetered)	CCON	9,091				9,091		
Total Number of Customers	CCA	36,273	32,622	3,186	384	3	32	46
Bulk Customer Base	CCB	36,192	32,622	3,186	384			
Primary Customer Base	CCP	36,590	32,622	3,186	384	320	32	46
Line Transformer Customer Base	CCLT	34,844	31,782	2,506	245	311		
Secondary Customer Base	CCS	31,388	31,146	242	-	-	-	-
Weighted - Services	CWCS	31,164	31,146	18	-	-	-	-
Weighted Meter -Capital	CWMC	10,086,640	7,824,777	1,407,669	853,502	692	-	-
Weighted Meter Reading	CWMR	39,177	32,622	3,186	3,366	3	-	-
Weighted Bills	CWNB	438,744	391,464	38,232	8,624	16	168	241

Bad Debt Data

Historic Year:	2015	167,051	89,371	9,131	68,550			
Historic Year:	2016	84,581	75,565	9,016	-			
Historic Year:	2017	97,567	87,305	10,262	-			
Three-year average		**116,400**	**84,080**	**9,470**	**22,850**	-	-	-

Street Lighting Adjustment Factors

NCP Test Results	4 NCP

Class	Primary Asset Data Customers/ Devices	4 NCP	Line Transformer Asset Data Customers/ Devices	4 NCP
Residential	32,622	244,761	31,782	244,761
Street Light	9,091	2,398	9,091	2,398

Street Lighting Adjustment Factors	
Primary	28.4442
Line Transformer	29.1960

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Sheet I8 Demand Data Worksheet - Application

This is an input sheet for demand allocators.

CP TEST RESULTS	12 CP
NCP TEST RESULTS	4 NCP

Co-incident Peak	Indicator
1 CP	CP 1
4 CP	CP 4
12 CP	CP 12

Non-co-incident Peak	Indicator
1 NCP	NCP 1
4 NCP	NCP 4
12 NCP	NCP 12

			1	2	3	7	8	9
Customer Classes		Total	Residential	GS <50	GENERAL SERVICE 50 TO 4,999 KW	Street Light	SENTINEL LIGHTING	UNMETERED SCATTERED LOAD
		CP Sanity Check	Pass	Pass	Pass	Check 4CP and 12CP	Check 4CP and 12CP	Check 4CP and 12CP
CO-INCIDENT PEAK								
1 CP								
Transformation CP	TCP1	122,892	57,624	24,552	40,654	-	-	62
Bulk Delivery CP	BCP1	122,892	57,624	24,552	40,654	-	-	62
Total Sytem CP	DCP1	122,892	57,624	24,552	40,654	-	-	62
4 CP								
Transformation CP	TCP4	456,185	216,764	83,093	155,443	575	56	254
Bulk Delivery CP	BCP4	456,185	216,764	83,093	155,443	575	56	254
Total Sytem CP	DCP4	456,185	216,764	83,093	155,443	575	56	254
12 CP								
Transformation CP	TCP12	1,249,627	595,260	201,423	448,499	3,380	311	754
Bulk Delivery CP	BCP12	1,249,627	595,260	201,423	448,499	3,380	311	754
Total Sytem CP	DCP12	1,249,627	595,260	201,423	448,499	3,380	311	754
NON CO_INCIDENT PEAK								
		NCP Sanity Check	Pass	Check 4 NCP	Pass	Pass	Pass	Pass
1 NCP								
Classification NCP from Load Data Provider	DNCP1	144,822	65,588	30,917	47,557	610	84	66
Primary NCP	PNCP1	144,822	65,588	30,917	47,557	610	84	66
Line Transformer NCP	LTNCP1	121,009	65,588	24,318.27	30,342.36	610	84	66
Secondary NCP	SNCP1	68,696	65,588	2,348.37	-	610	84	66
4 NCP								
Classification NCP from Load Data Provider	DNCP4	540,851	244,761	110,586	182,532	2,398	316	258
Primary NCP	PNCP4	540,851	244,761	110,586	182,532	2,398	316	258
Line Transformer NCP	LTNCP4	451,175	244,761	86,983.21	116,459.22	2,398	316	258
Secondary NCP	SNCP4	258,792	244,761	11,059	-	2,398	316	258
12 NCP								
Classification NCP from Load Data Provider	DNCP12	1,426,599	650,527	272,622	494,943	6,979	774	754
Primary NCP	PNCP12	1,426,599	650,527	272,622	494,943	6,979	774	754
Line Transformer NCP	LTNCP12	1,189,253	650,527	214,435.26	315,783.95	6,979	774	754
Secondary NCP	SNCP12	679,742	650,527	20,707.63	-	6,979	774	754

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Sheet O1 Revenue to Cost Summary Worksheet - Application

Instructions:
Please see the first tab in this workbook for detailed instructions

Class Revenue, Cost Analysis, and Return on Rate Base

Rate Base Assets		Total	1 Residential	2 GS <50	3 GENERAL SERVICE 50 TO 4,999 KW	7 Street Light	8 SENTINEL LIGHTING	9 UNMETERED SCATTERED LOAD
crev	Distribution Revenue at Existing Rates	$17,363,225	$10,320,344	$2,986,410	$3,508,877	$511,412	$14,064	$22,118
mi	Miscellaneous Revenue (mi)	$2,985,613	$2,094,450	$382,796	$449,359	$55,907	$1,435	$1,665
		Miscellaneous Revenue Input equals Output						
	Total Revenue at Existing Rates	$20,348,838	$12,414,794	$3,369,206	$3,958,236	$567,319	$15,499	$23,783
	Factor required to recover deficiency (1 + D)	1.0000						
	Distribution Revenue at Status Quo Rates	$17,363,225	$10,320,344	$2,986,410	$3,508,877	$511,412	$14,064	$22,118
	Miscellaneous Revenue (mi)	$2,985,613	$2,094,450	$382,796	$449,359	$55,907	$1,435	$1,665
	Total Revenue at Status Quo Rates	$20,348,837	$12,414,794	$3,369,206	$3,958,236	$567,319	$15,499	$23,783
	Expenses							
di	Distribution Costs (di)	$2,807,591	$1,675,708	$445,461	$654,680	$28,382	$1,748	$1,611
cu	Customer Related Costs (cu)	$2,314,333	$1,958,168	$211,769	$114,368	$28,549	$609	$871
ad	General and Administration (ad)	$5,283,157	$3,705,981	$689,378	$825,978	$56,807	$2,448	$2,566
dep	Depreciation and Amortization (dep)	$4,273,253	$2,862,407	$573,223	$783,900	$49,559	$2,135	$2,029
INPUT	PILs (INPUT)	$877,089	$492,366	$148,677	$232,319	$2,861	$432	$434
INT	Interest	$1,832,657	$1,028,787	$310,656	$485,426	$5,979	$903	$907
	Total Expenses	$17,388,081	$11,723,417	$2,379,163	$3,096,671	$172,138	$8,275	$8,417
	Direct Allocation	$0	$0	$0	$0	$0	$0	$0
NI	Allocated Net Income (NI)	$2,960,756	$1,662,061	$501,882	$784,231	$9,659	$1,459	$1,465
	Revenue Requirement (includes NI)	$20,348,837	$13,385,478	$2,881,045	$3,880,902	$181,796	$9,734	$9,882
		Revenue Requirement Input equals Output						
	Rate Base Calculation							
	Net Assets							
dp	Distribution Plant - Gross	$106,157,484	$65,615,348	$16,106,556	$23,436,198	$891,116	$55,325	$52,941
gp	General Plant - Gross	$5,484,955	$3,325,553	$851,321	$1,260,794	$41,642	$2,867	$2,778
accum dep	Accumulated Depreciation	($15,757,860)	($10,489,892)	($2,176,095)	($2,902,569)	($174,373)	($7,865)	($7,066)
co	Capital Contribution	($33,832,328)	($23,482,635)	($4,306,017)	($5,463,088)	($542,999)	($19,666)	($17,923)
	Total Net Plant	$62,052,251	$34,968,374	$10,475,765	$16,331,334	$215,387	$30,660	$30,730
	Directly Allocated Net Fixed Assets	$0	$0	$0	$0	$0	$0	$0
COP	Cost of Power (COP)	$80,511,036	$34,951,708	$11,293,070	$33,848,564	$315,848	$33,875	$67,972
	OM&A Expenses	$10,405,082	$7,339,857	$1,346,607	$1,595,026	$113,739	$4,805	$5,048
	Directly Allocated Expenses	$0	$0	$0	$0	$0	$0	$0
	Subtotal	*$90,916,118*	*$42,291,564*	*$12,639,677*	*$35,443,591*	*$429,587*	*$38,680*	*$73,020*
	Working Capital	$13,637,418	$6,343,735	$1,895,952	$5,316,539	$64,438	$5,802	$10,953
	Total Rate Base	$75,689,669	$41,312,109	$12,371,717	$21,647,872	$279,825	$36,462	$41,683
		Rate Base Input equals Output						
	Equity Component of Rate Base	$30,275,867	$16,524,844	$4,948,687	$8,659,149	$111,930	$14,585	$16,673
	Net Income on Allocated Assets	$2,960,756	$691,377	$990,043	$861,565	$395,181	$7,224	$15,366
	Net Income on Direct Allocation Assets	$0	$0	$0	$0	$0	$0	$0
	Net Income	$2,960,756	$691,377	$990,043	$861,565	$395,181	$7,224	$15,366
	RATIOS ANALYSIS							
	REVENUE TO EXPENSES STATUS QUO%	100.00%	92.75%	116.94%	101.99%	312.06%	159.23%	240.68%
	EXISTING REVENUE MINUS ALLOCATED COSTS	$0	($970,684)	$488,161	$77,334	$385,522	$5,765	$13,901
		Deficiency Input equals Output						
	STATUS QUO REVENUE MINUS ALLOCATED COSTS	$0	($970,684)	$488,161	$77,334	$385,522	$5,765	$13,901
	RETURN ON EQUITY COMPONENT OF RATE BASE	9.78%	4.18%	20.01%	9.95%	353.06%	49.53%	92.16%

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Sheet 02 Monthly Fixed Charge Min. & Max. Worksheet - Application

Output sheet showing minimum and maximum level for Monthly Fixed Charge

Summary

	1	2	3	7	8	9
	Residential	GS <50	GENERAL SERVICE 50 TO 4,999 KW	Street Light	SENTINEL LIGHTING	UNMETERED SCATTERED LOAD
Customer Unit Cost per month - Avoided Cost	$5.69	$6.97	$21.82	$0.26	$1.21	$1.06
Customer Unit Cost per month - Directly Related	$10.26	$12.25	$42.30	$0.52	$2.69	$2.53
Customer Unit Cost per month - Minimum System with PLCC Adjustment	$20.12	$18.94	$79.56	$1.24	$6.94	$6.87
Existing Approved Fixed Charge	$23.32	$30.67	$139.09	$3.20	$3.26	$17.71

APPENDIX 1-2: Midland Rate Zone - COST ALLOCATION SHEETS I6.1, I6.2, I8, O1, and O2

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Sheet I6.1 Revenue Worksheet - MRZ

Total kWhs from Load Forecast	189,592,121
Total kWs from Load Forecast	283,937
Deficiency/sufficiency (RRWF 8. cell F51)	-
Miscellaneous Revenue (RRWF 5. cell F48)	643,752

Billing Data	ID	Total	1 Residential	2 GS <50	3 GENERAL SERVICE 50 TO 4,999 KW	7 Street Light	9 UNMETERED SCATTERED LOAD
Forecast kWh	CEN	189,592,121	50,684,557	24,374,246	113,618,428	519,881	395,009
Forecast kW	CDEM	283,937			282,527	1,410	
Forecast kW, included in CDEM, of customers receiving line transformer allowance		193,455			193,455		
Optional - Forecast kWh, included in CEN, from customers that receive a line transformation allowance on a kWh basis. In most cases this will not be applicable and will be left blank.		80,155,863			80,155,863		
KWh excluding KWh from Wholesale Market Participants	CEN EWMP	185,865,826	50,684,557	24,374,246	109,892,133	519,881	395,009
Existing Monthly Charge			$25.73	$22.73	$64.25	$3.89	$10.51
Existing Distribution kWh Rate			$0.01	$0.02			$0.01
Existing Distribution kW Rate					$3.27	$8.98	
Existing TOA Rate					$0.60		
Additional Charges			$133,332.25	($27,105.05)	$103,828.00	($16,874.00)	$19.00
Distribution Revenue from Rates		$4,263,012	$2,470,836	$592,171	$1,112,193	$81,954	$5,857
Transformer Ownership Allowance		$116,073	$0	$0	$116,073	$0	$0
Net Class Revenue	CREV	$4,146,939	$2,470,836	$592,171	$996,120	$81,954	$5,857

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Sheet I6.2 Customer Data Worksheet - MRZ

			1	2	3	7	9
Billing Data	ID	Total	Residential	GS <50	GENERAL SERVICE 50 TO 4,999 KW	Street Light	UNMETERED SCATTERED LOAD
Bad Debt 3 Year Historical Average	BDHA	$65,496	$48,603	$16,893	$0	$0	$0
Late Payment 3 Year Historical Average	LPHA	$23,455	$13,684	$3,450	$6,314	$0	$7
Number of Bills	CNB	87,480	76,740	9,264	1,296	48	132
Number of Devices	CDEV					1,846	
Number of Connections (Unmetered)	CCON	1,492				1,492	
Total Number of Customers	CCA	7,290	6,395	772	108	4	11
Bulk Customer Base	CCB	7,275	6,395	772	108		
Primary Customer Base	CCP	7,352	6,395	772	108	66	11
Line Transformer Customer Base	CCLT	7,311	6,395	772	78	66	
Secondary Customer Base	CCS	6,395	6,395	-	-	-	-
Weighted - Services	CWCS	6,395	6,395	-	-	-	-
Weighted Meter -Capital	CWMC	1,049,044	712,726	265,261	71,057	-	-
Weighted Meter Reading	CWMR	7,545	6,464	844	237	-	-
Weighted Bills	CWNB	88,911	76,740	9,264	2,773	36	98

Bad Debt Data

		Total	Residential	GS <50	GENERAL SERVICE 50 TO 4,999 KW	Street Light	UNMETERED SCATTERED LOAD
Historic Year:	2015	64,067	50,593	13,474			
Historic Year:	2016	64,225	53,105	11,120			
Historic Year:	2017	68,197	42,112	26,085			
Three-year average		**65,496**	**48,603**	**16,893**	-	-	-

Street Lighting Adjustment Factors

NCP Test Results	4 NCP

	Primary Asset Data		Line Transformer Asset Data	
Class	Customers/ Devices	4 NCP	Customers/ Devices	4 NCP
Residential	6,395	45,791	6,395	45,791
Street Light	1,846	471	1,846	471

Street Lighting Adjustment Factors	
Primary	28.0641
Line Transformer	28.0641

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Sheet I8 Demand Data Worksheet - MRZ

This is an input sheet for demand allocators.

CP TEST RESULTS	12 CP
NCP TEST RESULTS	4 NCP

Co-incident Peak	Indicator
1 CP	CP 1
4 CP	CP 4
12 CP	CP 12

Non-co-incident Peak	Indicator
1 NCP	NCP 1
4 NCP	NCP 4
12 NCP	NCP 12

Customer Classes		Total	1 Residential	2 GS <50	3 GENERAL SERVICE 50 TO 4,999 KW	7 Street Light	9 UNMETERED SCATTERED LOAD
		CP Sanity Check	Check 4 CP	Pass	Pass	Check 4CP	Check 4CP and 12CP
CO-INCIDENT PEAK							
1 CP							
Transformation CP	TCP1	30,875	9,769	3,565	17,379	118	44
Bulk Delivery CP	BCP1	30,875	9,769	3,565	17,379	118	44
Total Sytem CP	DCP1	30,875	9,769	3,565	17,379	118	44
4 CP							
Transformation CP	TCP4	121,227	40,845	13,786	65,942	473	181
Bulk Delivery CP	BCP4	121,227	40,845	13,786	65,942	473	181
Total Sytem CP	DCP4	121,227	40,845	13,786	65,942	473	181
12 CP							
Transformation CP	TCP12	340,133	97,442	41,698	199,745	709	539
Bulk Delivery CP	BCP12	340,133	97,442	41,698	199,745	709	539
Total Sytem CP	DCP12	340,133	97,442	41,698	199,745	709	539
NON CO_INCIDENT PEAK		NCP Sanity Check	Pass	Pass	Pass	Pass	Pass
1 NCP							
Classification NCP from Load Data Provider	DNCP1	36,105	11,962	5,459	18,518	118	48
Primary NCP	PNCP1	36,105	11,962	5,459	18,518	118	48
Line Transformer NCP	LTNCP1	30,961	11,962	5,459	13,374.11	118	48
Secondary NCP	SNCP1	12,128	11,962	-	-	118	48
4 NCP							
Classification NCP from Load Data Provider	DNCP4	139,396	45,791	19,797	73,148	471	189
Primary NCP	PNCP4	139,396	45,791	19,797	73,148	471	189
Line Transformer NCP	LTNCP4	119,077	45,791	19,797	52,829.11	471	189
Secondary NCP	SNCP4	46,451	45,791	-	-	471	189
12 NCP							
Classification NCP from Load Data Provider	DNCP12	379,486	114,311	50,583	212,628	1,416	548
Primary NCP	PNCP12	379,486	114,311	50,583	212,628	1,416	548
Line Transformer NCP	LTNCP12	320,423	114,311	50,583	153,564.67	1,416	548
Secondary NCP	SNCP12	116,275	114,311	-	-	1,416	548

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Sheet O1 Revenue to Cost Summary Worksheet - MRZ

Instructions:
Please see the first tab in this workbook for detailed instructions

Class Revenue, Cost Analysis, and Return on Rate Base

Rate Base Assets		Total	1 Residential	2 GS <50	3 GENERAL SERVICE 50 TO 4,999 KW	7 Street Light	9 UNMETERED SCATTERED LOAD
crev	Distribution Revenue at Existing Rates	$4,146,939	$2,470,836	$592,171	$996,120	$81,954	$5,857
mi	Miscellaneous Revenue (mi)	$643,752	$424,257	$74,373	$131,490	$12,867	$765
		Miscellaneous Revenue Input equals Output					
	Total Revenue at Existing Rates	$4,790,691	$2,895,093	$666,544	$1,127,610	$94,821	$6,623
	Factor required to recover deficiency (1 + D)	1.0000					
	Distribution Revenue at Status Quo Rates	$4,146,939	$2,470,836	$592,171	$996,120	$81,954	$5,857
	Miscellaneous Revenue (mi)	$643,752	$424,257	$74,373	$131,490	$12,867	$765
	Total Revenue at Status Quo Rates	$4,790,691	$2,895,093	$666,544	$1,127,610	$94,821	$6,623
	Expenses						
di	Distribution Costs (di)	$1,069,800	$619,623	$106,678	$320,981	$20,887	$1,631
cu	Customer Related Costs (cu)	$561,978	$451,543	$83,312	$20,814	$6,005	$303
ad	General and Administration (ad)	$1,307,140	$849,461	$152,810	$282,006	$21,300	$1,563
dep	Depreciation and Amortization (dep)	$773,288	$420,295	$102,557	$238,944	$10,448	$1,045
INPUT	PILs (INPUT)	$109,081	$54,150	$14,093	$39,441	$1,244	$154
INT	Interest	$336,289	$166,940	$43,447	$121,593	$3,834	$474
	Total Expenses	$4,157,576	$2,562,012	$502,897	$1,023,778	$63,718	$5,171
	Direct Allocation	$0	$0	$0	$0	$0	$0
NI	Allocated Net Income (NI)	$633,115	$314,290	$81,796	$228,918	$7,219	$893
	Revenue Requirement (includes NI)	$4,790,691	$2,876,301	$584,693	$1,252,697	$70,936	$6,064
		Revenue Requirement Input equals Output					
	Rate Base Calculation						
	Net Assets						
dp	Distribution Plant - Gross	$15,175,982	$7,993,331	$1,879,236	$5,067,135	$214,059	$22,220
gp	General Plant - Gross	$2,121,623	$1,114,717	$260,735	$713,133	$29,905	$3,133
accum dep	Accumulated Depreciation	($3,492,064)	($1,854,513)	($443,351)	($1,139,863)	($49,371)	($4,967)
co	Capital Contribution	($2,240,957)	($1,481,006)	($209,409)	($486,745)	($59,796)	($4,001)
	Total Net Plant	$11,564,584	$5,772,528	$1,487,212	$4,153,661	$134,797	$16,386
	Directly Allocated Net Fixed Assets	$0	$0	$0	$0	$0	$0
COP	Cost of Power (COP)	$22,693,080	$6,203,046	$2,967,852	$13,410,975	$63,193	$48,014
	OM&A Expenses	$2,938,918	$1,920,627	$342,800	$623,801	$48,192	$3,498
	Directly Allocated Expenses	$0	$0	$0	$0	$0	$0
	Subtotal	*$25,631,998*	*$8,123,673*	*$3,310,652*	*$14,034,775*	*$111,385*	*$51,512*
	Working Capital	$3,332,160	$1,056,078	$430,385	$1,824,521	$14,480	$6,697
	Total Rate Base	$14,896,744	$6,828,606	$1,917,597	$5,978,182	$149,277	$23,082
		Rate Base Input equals Output					
	Equity Component of Rate Base	$5,958,697	$2,731,442	$767,039	$2,391,273	$59,711	$9,233
	Net Income on Allocated Assets	$633,115	$333,081	$163,647	$103,831	$31,104	$1,452
	Net Income on Direct Allocation Assets	$0	$0	$0	$0	$0	$0
	Net Income	$633,115	$333,081	$163,647	$103,831	$31,104	$1,452
	RATIOS ANALYSIS						
	REVENUE TO EXPENSES STATUS QUO%	100.00%	100.65%	114.00%	90.01%	133.67%	109.21%
	EXISTING REVENUE MINUS ALLOCATED COSTS	($0)	$18,792	$81,851	($125,087)	$23,885	$558
		Deficiency Input equals Output					
	STATUS QUO REVENUE MINUS ALLOCATED COSTS	$0	$18,792	$81,851	($125,087)	$23,885	$558
	RETURN ON EQUITY COMPONENT OF RATE BASE	10.63%	12.19%	21.33%	4.34%	52.09%	15.72%

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

Output sheet showing minimum and maximum level for Monthly Fixed Charge

Summary

	1	2	3	7	9
	Residential	GS <50	GENERAL SERVICE 50 TO 4,999 KW	Street Light	UNMETERED SCATTERED LOAD
Customer Unit Cost per month - Avoided Cost	$6.86	$12.38	$18.51	$0.33	$2.18
Customer Unit Cost per month - Directly Related	$11.58	$19.68	$33.15	$0.60	$4.06
Customer Unit Cost per month - Minimum System with PLCC Adjustment	$23.36	$28.91	$51.54	$3.57	$9.08
Existing Approved Fixed Charge	$25.73	$22.73	$64.25	$3.89	$10.51

APPENDIX 1.3: Newmarket Tay Rate Zone BILL IMPACTS

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION
RPP / Non-RPP:	RPP
Consumption	750 kWh
Demand	- kW
Current Loss Factor	1.0383
Proposed/Approved Loss Factor	1.0383

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 27.61	1	$ 27.61	$ 28.54	1	$ 28.54	$ 0.93	3.38%
Distribution Volumetric Rate	$ -	750	$ -	$ -	750	$ -	$ -	
Fixed Rate Riders	-$ 1.80	1	-$ 1.80	-$ 1.80	1	-$ 1.80	$ -	0.00%
Volumetric Rate Riders	$ 0.0005	750	$ 0.38	$ 0.0005	750	$ 0.38	$ -	0.00%
Sub-Total A (excluding pass through)			**$ 26.19**			**$ 27.12**	**$ 0.93**	**3.56%**
Line Losses on Cost of Power	$ 0.0820	29	$ 2.36	$ 0.0820	29	$ 2.36	$ -	0.00%
Rate Rider for Disposition of Account 1576	-$ 1.7369	1	-$ 1.74	-$ 1.7369	1	-$ 1.74	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0017	750	-$ 1.28	-$ 0.0017	750	-$ 1.28	$ -	0.00%
CBR Class B Rate Riders	$ 0.0009	750	$ 0.68	$ 0.0009	750	$ 0.68	$ -	0.00%
GA Rate Riders	$ -	750	$ -	$ -	750	$ -	$ -	
Low Voltage Service Charge	$ -	750	$ -		750	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ 0.57	1	$ 0.57	$ 0.57	1	$ 0.57	$ -	0.00%
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		750	$ -	$ -	750	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 26.77**			**$ 27.71**	**$ 0.93**	**3.48%**
RTSR - Network	$ 0.0074	779	$ 5.76	$ 0.0074	779	$ 5.76	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0068	779	$ 5.30	$ 0.0068	779	$ 5.30	$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)			**$ 37.83**			**$ 38.76**	**$ 0.93**	**2.46%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	779	$ 2.65	$ 0.0034	779	$ 2.65	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	779	$ 0.39	$ 0.0005	779	$ 0.39	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
TOU - Off Peak	$ 0.0650	488	$ 31.69	$ 0.0650	488	$ 31.69	$ -	0.00%
TOU - Mid Peak	$ 0.0940	128	$ 11.99	$ 0.0940	128	$ 11.99	$ -	0.00%
TOU - On Peak	$ 0.1320	135	$ 17.82	$ 0.1320	135	$ 17.82	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 102.61**			**$ 103.54**	**$ 0.93**	**0.91%**
HST	13%		$ 13.34	13%		$ 13.46	$ 0.12	0.91%
8% Rebate	8%		$ (8.21)	8%		$ (8.28)	$ (0.07)	
Total Bill on TOU			**$ 107.74**			**$ 108.72**	**$ 0.98**	**0.91%**

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION
RPP / Non-RPP:	Non-RPP (Other)
Consumption	474,500 kWh
Demand	1,000 kW
Current Loss Factor	1.0383
Proposed/Approved Loss Factor	1.0383

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 3.24		$ -	$ 3.24	0	$ -	$ -	
Distribution Volumetric Rate	$ 16.1088	1000	$ 16,108.80	$ 11.1112	1000	$ 11,111.16	-$ 4,997.64	-31.02%
Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Volumetric Rate Riders	$ 4.5305	1000	$ 4,530.50	$ 4.5305	1000	$ 4,530.50	$ -	0.00%
Sub-Total A (excluding pass through)			**$ 20,639.30**			**$ 15,641.66**	**-$ 4,997.64**	**-24.21%**
Line Losses on Cost of Power	$ -	-	$ -	$ -	-	$ -	$ -	
Total Deferral/Variance Account Rate Riders	-$ 0.6796	1,000	-$ 679.60	-$ 0.6796	1,000	-$ 679.60	$ -	0.00%
Rate Rider for Disposition of Account 1576	-$ 0.9563	1,000	-$ 956.34	-$ 0.9563	1,000	-$ 956.34	$ -	0.00%
CBR Class B Rate Riders	$ 0.3195	1,000	$ 319.50	$ 0.3195	1,000	$ 319.50	$ -	0.00%
GA Rate Riders	$ 0.0052	474,500	$ 2,467.40	$ 0.0052	474,500	$ 2,467.40	$ -	0.00%
Low Voltage Service Charge	$ -	1,000	$ -	$ -	1,000	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		1,000	$ -		1,000	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 21,790.26**			**$ 16,792.62**	**-$ 4,997.64**	**-22.94%**
RTSR - Network	$ 2.0726	1,000	$ 2,072.60	$ 2.0726	1,000	$ 2,072.60	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 1.8428	1,000	$ 1,842.80	$ 1.8428	1,000	$ 1,842.80	$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)			**$ 25,705.66**			**$ 20,708.02**	**-$ 4,997.64**	**-19.44%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	492,673	$ 1,675.09	$ 0.0034	492,673	$ 1,675.09	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	492,673	$ 246.34	$ 0.0005	492,673	$ 246.34	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
Average IESO Wholesale Market Price	$ 0.1101	492,673	$ 54,243.34	$ 0.1101	492,673	$ 54,243.34	$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			**$ 81,870.68**			**$ 76,873.03**	**$ (4,997.64)**	**-6.10%**
HST	13%		$ 10,643.19	13%		$ 9,993.49	$ (649.69)	-6.10%
Total Bill on Average IESO Wholesale Market Price			**$ 92,513.86**			**$ 86,866.53**	$ (5,647.34)	-6.10%

Customer Class:	SENTINEL LIGHTING SERVICE CLASSIFICATION
RPP / Non-RPP:	RPP
Consumption	475 kWh
Demand	1 kW
Current Loss Factor	1.0383
Proposed/Approved Loss Factor	1.0383

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 3.30		$ -	$ 3.30	0	$ -	$ -	
Distribution Volumetric Rate	$ 12.6396	1	$ 12.64	-$ 37.9859	1	-$ 37.99	$ (50.63)	-400.53%
Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Volumetric Rate Riders	-$ 0.0028	1	-$ 0.00	-$ 0.0028	1	-$ 0.00	$ -	0.00%
Sub-Total A (excluding pass through)			**$ 12.64**			**-$ 37.99**	**$ (50.63)**	**-400.62%**
Line Losses on Cost of Power	$ 0.0820	18	$ 1.49	$ 0.0820	18	$ 1.49	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0018	1	-$ 0.00	-$ 0.0018	1	-$ 0.00	$ -	0.00%
Rate Rider for Disposition of Account 1576	-$ 0.0026	475	-$ 1.22	-$ 0.0026	475	-$ 1.22	$ -	0.00%
CBR Class B Rate Riders	$ 0.0009	1	$ 0.00	$ 0.0009	1	$ 0.00	$ -	0.00%
GA Rate Riders	$ -	475	$ -	$ -	475	$ -	$ -	
Low Voltage Service Charge	$ -	1	$ -	$ -	1	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		1	$ -		1	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 12.90**			**$ (37.72)**	**$ (50.63)**	**-392.31%**
RTSR - Network	$ 2.0536	1	$ 2.05	$ 2.0536	1	$ 2.05	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 1.8829	1	$ 1.88	$ 1.8829	1	$ 1.88	$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)			**$ 16.84**			**$ (33.78)**	**$ (50.63)**	**-300.61%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	493	$ 1.68	$ 0.0034	493	$ 1.68	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	493	$ 0.25	$ 0.0005	493	$ 0.25	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
TOU - Off Peak	$ 0.0650	309	$ 20.07	$ 0.0650	309	$ 20.07	$ -	0.00%
TOU - Mid Peak	$ 0.0940	81	$ 7.59	$ 0.0940	81	$ 7.59	$ -	0.00%
TOU - On Peak	$ 0.1320	86	$ 11.29	$ 0.1320	86	$ 11.29	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 57.96**			**$ 7.33**	**$ (50.63)**	**-87.35%**
HST	13%		$ 7.53	13%		$ 0.95	$ (6.58)	-87.35%
Total Bill on TOU			**$ 65.49**			**$ 8.29**	**-$ 57.21**	**-0.13%**

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION
RPP / Non-RPP:	RPP
Consumption	200 kWh
Demand	- kW
Current Loss Factor	1.0383
Proposed/Approved Loss Factor	1.0383

	Current OEB-Approved			Proposed			Impact	
	Rate ($)	Volume	Charge ($)	Rate ($)	Volume	Charge ($)	$ Change	% Change
Monthly Service Charge	$ 17.91		$ -	$ 17.86	0	$ -	$ -	
Distribution Volumetric Rate	$ 0.0206	200	$ 4.12	-$ 0.0010	200	-$ 0.20	-$ 4.32	-104.86%
Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Volumetric Rate Riders	-$ 0.0029	200	-$ 0.58	-$ 0.0029	200	-$ 0.58	$ -	0.00%
Sub-Total A (excluding pass through)			**$ 3.54**			**-$ 0.78**	**-$ 4.32**	**-122.04%**
Line Losses on Cost of Power	$ 0.0820	8	$ 0.63	$ 0.0820	8	$ 0.63	$ -	0.00%
Total Deferral/Variance Account Rate Riders	-$ 0.0018	200	-$ 0.36	-$ 0.0018	200	-$ 0.36	$ -	0.00%
Rate Rider for Disposition of Account 1576	-$ 0.0026	200	-$ 0.51	-$ 0.0026	200	-$ 0.51	$ -	0.00%
CBR Class B Rate Riders	$ 0.0009	200	$ 0.18	$ 0.0009	200	$ 0.18	$ -	0.00%
GA Rate Riders	$ -	200	$ -	$ -	200	$ -	$ -	
Low Voltage Service Charge	$ -	200	$ -	$ -	200	$ -	$ -	
Smart Meter Entity Charge (if applicable)	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Fixed Rate Riders	$ -	1	$ -	$ -	1	$ -	$ -	
Additional Volumetric Rate Riders		200	$ -		200	$ -	$ -	
Sub-Total B - Distribution (includes Sub-Total A)			**$ 3.47**			**-$ 0.85**	**-$ 4.32**	**-124.39%**
RTSR - Network	$ 0.0067	208	$ 1.39	$ 0.0067	208	$ 1.39	$ -	0.00%
RTSR - Connection and/or Line and Transformation Connection	$ 0.0061	208	$ 1.27	$ 0.0061	208	$ 1.27	$ -	0.00%
Sub-Total C - Delivery (including Sub-Total B)			**$ 6.13**			**$ 1.81**	**-$ 4.32**	**-70.46%**
Wholesale Market Service Charge (WMSC)	$ 0.0034	208	$ 0.71	$ 0.0034	208	$ 0.71	$ -	0.00%
Rural and Remote Rate Protection (RRRP)	$ 0.0005	208	$ 0.10	$ 0.0005	208	$ 0.10	$ -	0.00%
Standard Supply Service Charge	$ 0.25	1	$ 0.25	$ 0.25	1	$ 0.25	$ -	0.00%
TOU - Off Peak	$ 0.0650	130	$ 8.45	$ 0.0650	130	$ 8.45	$ -	0.00%
TOU - Mid Peak	$ 0.0940	34	$ 3.20	$ 0.0940	34	$ 3.20	$ -	0.00%
TOU - On Peak	$ 0.1320	36	$ 4.75	$ 0.1320	36	$ 4.75	$ -	0.00%
Total Bill on TOU (before Taxes)			**$ 23.59**			**$ 19.27**	**$ (4.32)**	**-18.31%**
HST	13%		$ 3.07	13%		$ 2.50	$ (0.56)	-18.31%
Total Bill on TOU			**$ 26.66**			**$ 21.77**	**-$ 4.88**	**-0.13%**