



November 21, 2019

Ontario Energy Board
P.O. Box 2319
2300 Yonge Street
27th Floor
Toronto, ON M4P 1E4

Attention: Ms. Christine E. Long, Registrar and Board Secretary

Dear Ms. Long:

**Re: EB-2019-0032
ENWIN Utilities Ltd. Application for Approval of Distribution Rates and Other
Charges Effective January 1, 2020
Draft Rate Order**

In accordance with the Ontario Energy Board's November 14, 2019 Decision and Order in the above noted proceeding, please find enclosed ENWIN Utilities Ltd.'s Draft Rate Order.

Should you have any questions, please do not hesitate to contact the undersigned.

Yours very truly,

ENWIN Utilities Ltd.

A handwritten signature in black ink, appearing to read "Paul J. Gleason", written in a cursive style.

Paul J. Gleason, BA, LLM
Director, Regulatory Affairs & Corporate Secretary

Cc: EB-2019-0032 parties
John A.D. Vellone (BLG)
Tina Li (OEB)
Ian Richler (OEB)

EB-2019-0032

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

AND IN THE MATTER OF an application by ENWIN
Utilities Ltd. for an order approving just and reasonable
rates and other charges for electricity distribution beginning
January 1, 2020.

ENWIN UTILITIES LTD.

DRAFT RATE ORDER

NOVEMBER 21, 2019

ENWIN Utilities Ltd.
EB-2019-0032
Draft Rate Order

A. BACKGROUND

ENWIN Utilities Ltd. (the “Applicant” or “ENWIN”) filed a cost of service application with the Ontario Energy Board (the “OEB” or “Board”) on April 26, 2019 under section 78 of the Ontario Energy Board Act, 1998, S.O. 1998, c. 15, (Schedule B) (the “Act”), seeking approval for changes to the rates that ENWIN charges for electricity distribution and other charges, to be effective January 1, 2020. (OEB Docket Number EB-2019-0032) (the “Application”).

The OEB issued and published a Notice of Hearing dated May 23, 2019, and Procedural Order No. 1 on June 21, 2019, the latter of which required the parties to the proceeding to develop a proposed issues list and scheduled a Settlement Conference for August 22 and 23, 2019.

ENWIN filed its interrogatory responses with the OEB on August 1, 2019. On August 14, 2019, following the interrogatories, Ontario Energy Board staff (“OEB staff”) submitted a proposed issues list as agreed to by the parties. On August 20, 2019 the OEB issued its decision on the proposed issues list, approving the list submitted by OEB staff.

A settlement conference was convened on August 22, 2019 and continued to August 23, 2019, in accordance with the OEB’s Rules of Practice and Procedure and the OEB’s Practice Direction on Settlement Conferences. A partial settlement was reached, and on September 24, 2019, a Settlement Proposal was filed with the OEB reflecting agreement on all but one issue in this proceeding. The OEB approved the Settlement Proposal on October 17, 2019. Procedural Order No. 4, dated September 30, 2019, made provision for written submissions on the unsettled issue.

The unsettled issue pertained to ENWIN’s proposal to eliminate the Intermediate rate class and transfer the customers currently in that class into the GS 50 to 4,999 kW class. Pursuant to Procedural Order No. 4, ENWIN filed its Argument in Chief on this matter on October 4, 2019. Submissions were received from OEB staff and the Association of Major Power Consumers in Ontario (“AMPCO”) on October 16, 2019, and ENWIN filed its reply submission on October 25, 2019.

The OEB issued its Decision and Order on the unsettled issue on November 14, 2019, approving ENWIN’s proposal to eliminate the Intermediate rate class and transfer the customers currently in that class into the GS 50 to 4,999 kW class. In its Decision, the OEB noted that it expected ENWIN to file detailed supporting material including, but not limited to, an updated version of the OEB’s revenue requirement work form showing the impact of the Decision and Order and

the partial settlement proposal on its proposed revenue requirement, the allocation of the approved revenue requirement to the classes, and the determination of the final rates, including bill impacts. The OEB also said it expected ENWIN to update the cost of capital parameters with 2020 values.¹

ENWIN submits this draft rate order, which incorporates the information directed by the OEB from its Decisions on the Settlement Proposal and the unsettled issue.

Included in this draft rate order are the following Appendices:

- Appendix A - Draft Tariff of Rates and Charges effective January 1, 2020
- Appendix B - Bill Impacts
- Appendix C - Revenue Requirement Work Form

Also included as part of this draft rate order are the following “live” Excel workbooks:

- ENWIN 2020 COS Rev_Reqt_Work_Form_DRO_20191121
- ENWIN 2020 COS Cost_Allocation_Model_DRO_20191121
- ENWIN 2020 COS PILs_Workform_DRO_20191121
- ENWIN 2020 COS_Chapter 2_Appendices_DRO_20191121
- ENWIN 2020 COS_DVA_Continuity_Schedule_DRO_20191121
- ENWIN 2020 COS_Tariff_Schedule_and_Bill_Impact_Model_DRO_20191121

The draft rate order has been prepared on the basis that ENWIN’s new rates will be effective January 1, 2020.

B. SUMMARY

This draft rate order encompasses updates to ENWIN’s cost of capital parameters to reflect the parameters released by the OEB on October 31, 2019 for use in 2020 cost-based applications.² These cost of capital updates impact ENWIN’s total return on debt and equity included within the calculation of its 2020 Test Year revenue requirement, and also the calculation of PILs.

The changes to the cost of capital parameters also impact ENWIN’s forecast balance of Account 1575, which has been updated to reflect the change to ENWIN’s weighted average cost of capital (“WACC”) resultant from the cost of capital parameter updates. The Account 1575 rate riders have also been recalculated as a result. ENWIN noted its intent to make this adjustment in

¹ EB-2019-0032 - Decision and Order dated November 14, 2019 at page 7.

² OEB 2020 Cost of Capital Parameters Letter dated October 31, 2019.

<https://www.oeb.ca/sites/default/files/Ltr-2020-Cost-of-Capital-Update-20191031.pdf>

Exhibit 9 of its Application, and in response to OEB Staff Pre-Settlement Clarification Question 20.³

The Draft Tariff of Rates and Charges effective January 1, 2020 attached as Appendix A has also been updated where required to reflect the OEB's release of the most recent inflation factor of 2.0%⁴, which impacts ENWIN's proposed Pole Attachment Charge, as well as the proposed Retail Service Charges.

The bill impacts included as Appendix B encompass the impacts of the above changes, as well as changes to the Regulated Price Plan ("RPP") rates effective November 1, 2019, including the new Ontario Electricity Rebate, which replaces the 8% Provincial Rebate and the GA Modifier.

A summary of the overall bill impacts resulting from ENWIN's proposed 2020 rates included in this draft rate order compared to ENWIN's current 2019 OEB-approved rates are summarized in Table A.

Table A: Summary of Bill Impacts

Bill Impacts						
Rate Class	Distribution (Fixed & Volumetric)					
	Sub-Total A			Total Bill		
	(Excluding Pass Through)					
	\$	%		\$	%	
RESIDENTIAL SERVICE CLASSIFICATION - RPP	-\$ 1.91	-6.8%		-\$ 1.70	-1.5%	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION - RPP	-\$ 6.04	-8.9%		-\$ 5.78	-1.9%	
GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION - Non-RPP (Other)	-\$ 122.74	-10.7%		-\$ 546.54	-5.0%	
LARGE USE - REGULAR SERVICE CLASSIFICATION - Non-RPP (Other)	-\$ 6,230.34	-22.5%		-\$ 31,297.09	-4.8%	
LARGE USE - 3TS SERVICE CLASSIFICATION - Non-RPP (Other)	\$ 8,114.87	10.2%		\$ 13,219.09	1.1%	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	-\$ 9.89	-4.0%		-\$ 14.21	-1.1%	
SENTINEL LIGHTING SERVICE CLASSIFICATION - RPP	-\$ 0.66	-2.7%		-\$ 0.80	-1.1%	
STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	-\$ 9,988.42	-13.6%		-\$ 12,967.56	-10.6%	

³ Exhibit 9, Section 9.2.5 updated May 17, 2019 at page 10; EB-2019-0032 ENWIN Utilities Ltd. Responses to Pre-Settlement Conference Clarification Questions dated September 24, 2019 at page 37.

⁴ OEB 2020 Inflation Factor Update dated October 31, 2019.

https://www.oeb.ca/sites/default/files/2020_IPI_input_price_index.png

C. REVENUE REQUIREMENT IMPACTS

On October 31, 2019, the OEB published updated cost of capital parameters for use in 2020 cost-based rate applications. The placeholder 2019 OEB parameters previously used in ENWIN's Settlement Proposal and the OEB's updated 2020 parameters are summarized in Table B below.

Table B: OEB Cost of Capital Parameters

OEB Cost of Capital Parameters		
	Settlement Proposal (2019)	Draft Rate Order (2020)
ROE	8.98%	8.52%
Deemed Long-Term Debt Rate	4.13%	3.21%
Deemed Short-Term Debt Rate	2.82%	2.75%

As a result of the updates to the cost of capital parameters, ENWIN's gross revenue sufficiency has been calculated to be \$609,821 as per the updated Revenue Requirement Work Form ("DRO Revenue Requirement Work Form"), attached as Appendix C. ENWIN has also filed the live Excel version of the DRO Revenue Requirement Work Form as file entitled ENWIN 2020 COS Rev_Reqt_Work_Form _DRO_20191121.

The impact of the cost of capital parameters updates to ENWIN's revenue requirement are summarized below in Table C.

Table C: Revenue Requirement Summary

Revenue Requirement					
Line No.	Particulars	Settlement Proposal	Draft Rate Order	Variance	
1	OM&A Expenses	\$ 28,097,816	\$ 28,097,816	\$	-
2	Amortization/Depreciation	\$ 10,691,514	\$ 10,691,514	\$	-
3	Property Taxes	\$ 331,505	\$ 331,505	\$	-
4	Capital Taxes	\$ -	\$ -	\$	-
5	Income Taxes (Grossed up)	\$ 1,483,520	\$ 1,320,488	-\$	163,032
6	Other Expenses	\$ 69,800	\$ 69,800	\$	-
7	Return			\$	-
	Deemed Interest Expense	\$ 5,960,917	\$ 5,527,413	-\$	433,504
	Return on Deemed Equity	\$ 8,827,347	\$ 8,375,166	-\$	452,181
8	Service Revenue Requirement (before Revenues)	\$ 55,462,418	\$ 54,413,703	-\$	1,048,715
9	Revenue Offsets	\$ 4,124,915	\$ 4,124,915	\$	-
10	Base Revenue Requirement (excluding Tranformer Owership Allowance credit adjustment)	\$ 51,337,503	\$ 50,288,788	-\$	1,048,715
11	Distribution revenue	\$ 51,337,503	\$ 50,288,788	-\$	1,048,715
12	Other revenue	\$ 4,124,915	\$ 4,124,915	\$	-
13	Total revenue	\$ 55,462,418	\$ 54,413,703	-\$	1,048,715
14	Distribution revenue at current rates	\$ 50,898,610	\$ 50,898,610	\$	-
15	Grossed up Revenue Deficiency / (Sufficiency)	\$ 438,894	-\$ 609,821	-\$	1,048,715

The specific updates to the individual components of the revenue requirement are detailed below.

Debt Instruments

In its Application and Settlement Proposal, ENWIN utilized the actual debt rate for its \$51,000,000 Fixed Rate Revolving Credit Promissory Note payable to Windsor Canada Utilities Ltd. (“WCU”). The actual debt rate of 4.134% was below the deemed rate applicable at the time of issuance of 4.41%, which is the ceiling on the rate allowed for this debt.⁵

⁵ EB-2009-0084, Report of the Board on the Cost of Capital for Ontario’s Regulated Utilities at page 53.

For its projected \$26,632,000 Variable Rate Promissory Note payable to WCU, ENWIN utilized the OEB's deemed long-term debt rate.

As noted in Exhibit 5 and in the Settlement Proposal, ENWIN committed to updating the OEB deemed long-term debt rate at such time that the 2020 Cost of Capital parameters were issued by the Board.⁶

Accordingly, ENWIN's weighted average cost of long-term debt has been recalculated to be 3.82% in Appendix 2-OB of ENWIN's updated Chapter 2 Appendices filed along with this draft rate order ("DRO Chapter 2 Appendices"), and is summarized in Table D below.

Table D: Debt Instruments

Debt Instruments - 2020											
Row	Description	Lender	Affiliated or Third-Party Debt?	Fixed or Variable-Rate?	Start Date	Term (years)	Principal (\$)	Rate (%)	Days O/S	Interest (\$)	Additional Comments, if any
1	Revolving Credit Promissory Note	Windsor Canada Utilities Ltd.	Affiliated	Fixed Rate	6-Nov-12	30	\$ 51,000,000	4.134%	365	\$ 2,108,340	Actual debt rate
2	Promissory Note	Windsor Canada Utilities Ltd.	Affiliated	Variable Rate	13-Nov-18	10	\$ 26,632,000	3.21%	365	\$ 854,887	Deemed/Actual debt rate
Total							\$ 77,632,000	3.82%		\$ 2,963,227	

Cost of Capital

As a result of the updates to ENWIN's weighted average cost of long-term debt, and the OEB's updated deemed short-term debt rate, ENWIN's total return on deemed debt has been reduced from \$5,960,917 to \$5,527,413.

The OEB's update to the rate of return on equity has also resulted in ENWIN's allowed return on equity being reduced from \$8,827,347 to \$ 8,375,166.

These impacts are summarized in Table E below, and have also been reflected in Appendix 2-OA of the DRO Chapter 2 Appendices and in the DRO Revenue Requirement Work Form.

⁶ Exhibit 5, Section 5.3.1 at page 5; EB-2019-0032 Settlement Proposal, Section 2.1 at page 19.

Table E: Cost of Capital

Capitalization/Cost of Capital									
Line No.	Particulars	Settlement Proposal			Draft Rate Order				
		Capitalization Ratio (%)	Cost Rate (\$)	Return (%)	Capitalization Ratio (%)	Cost Rate (\$)	Return (%)	Variance (\$)	
	Debt								
1	Long-term Debt	56.00%	\$ 137,620,106	4.13%	\$ 5,683,710	56.00%	\$ 137,620,106	3.82%	\$ 5,257,088 -\$426,622
2	Short-term Debt	4.00%	\$ 9,830,008	2.82%	\$ 277,206	4.00%	\$ 9,830,008	2.75%	\$ 270,325 -\$ 6,881
3	Total Debt	60.00%	\$ 147,450,114	4.04%	\$ 5,960,917	60.00%	\$ 147,450,114	3.75%	\$ 5,527,413 -\$433,504
	Equity								
4	Common Equity	40.00%	\$ 98,300,076	8.98%	\$ 8,827,347	40.00%	\$ 98,300,076	8.52%	\$ 8,375,166 -\$452,181
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -	0.00%	\$ -	0.00%	\$ - \$ -
6	Total Equity	40.00%	\$ 98,300,076	8.98%	\$ 8,827,347	40.00%	\$ 98,300,076	8.98%	\$ 8,375,166 -\$452,180
7	Total	100.00%	\$ 245,750,190	6.02%	\$ 14,788,263	100.00%	\$ 245,750,190	5.66%	\$ 13,902,580 -\$885,683

PILs

ENWIN's forecast of PILs has also been updated for the changes to the cost of capital parameters, as summarized in Table F below. These updates have been reflected in the live Excel PILs Work Form under file entitled ENWIN 2020 COS PILs_Workform_DRO_20191121, and in the DRO Revenue Requirement Work Form.

Table F: Grossed Up PILs

Grossed Up PILs				
	Settlement Proposal	Draft Rate Order	Variance	
Grossed Up PILs	\$ 1,483,520	\$ 1,320,488	-\$	163,032

D. DISTRIBUTION RATE IMPACT

ENWIN's cost allocation and rate design models have been updated to encompass the changes to the revenue requirement outlined in Sections B and C above. These changes resulted in updating inputs into ENWIN's Cost Allocation model, and recalculating the revenue-to-cost ratios and resulting proposed 2020 distribution charges.

These updates are encompassed within the live Excel files entitled ENWIN 2020 COS Cost_Allocation_Model_DRO_20191121 and ENWIN 2020 COS Rev_Reqt_Work_Form_DRO_20191121.

Table G below summarizes the proposed revenue-to-cost ratios reflected in this draft rate order. ENWIN followed the same methodology in rebalancing the revenue-to-cost ratios as it did in developing the distribution rates reflected in Settlement Proposal.

Table G: Revenue-to-Cost Ratios

Revenue to Cost Ratios			
	Previously Approved Ratios	Settlement Proposal Proposed Ratios	Draft Rate Order Proposed Ratios
Residential	90.0%	94.7%	94.5%
GS <50	105.0%	116.3%	116.2%
GS 50 - 4999 KW	80.0%	107.0%	107.2%
Large Use 3TS	102.0%	92.7%	93.6%
Large Use - Regular	115.0%	89.6%	89.5%
Street light	70.0%	120.0%	120.0%
Sentinel	70.0%	97.2%	97.2%
Unmetered	120.0%	89.6%	89.5%

Table H below summarizes the proposed 2020 distribution charges, encompassing the OEB's November 14, 2019 Decision to approve consolidation of the GS 50 – 4,999 kW and Intermediate rate classes. As noted in the Settlement Proposal, ENWIN has maintained the fixed charge for the GS 50 - 4,999 kW rate class at the current level as the charge is already above the Board's policy ceiling.⁷ The fixed/variable splits for all other rate classes have been maintained at the levels reflected in the Settlement Proposal.

⁷ EB-2019-0032 Settlement Proposal, Section 3.2 at page 28.

Table H: 2020 Proposed Distribution Charges

Distribution Rates									
	Volumetric Charge Determinant	Settlement Proposal			Draft Rate Order			Adjustment Settlement to Draft Rate Order	
		Monthly Service Charge	Volumetric Charge		Monthly Service Charge	Volumetric Charge		Monthly Service Charge	Volumetric Charge
Residential	kWh	\$ 26.80	\$ -		\$ 26.25	\$ -		-\$ 0.55	\$ -
GS <50	kWh	\$ 27.86	\$ 0.0176		\$ 27.29	\$ 0.0172		-\$ 0.57	-\$ 0.0004
GS 50 - 4999 KW	kW	\$ 107.93	\$ 4.9159		\$ 107.93	\$ 4.8056		\$ -	-\$ 0.1103
Large Use 3TS	kW	\$ 39,307.87	\$ 3.7301		\$ 38,504.89	\$ 3.6647		-\$ 802.98	-\$ 0.0654
Large Use - Regular	kW	\$ 9,307.73	\$ 2.7464		\$ 9,072.46	\$ 2.6921		-\$ 235.27	-\$ 0.0543
Street light	kW	\$ 5.36	\$ -		\$ 5.27	\$ -		-\$ 0.09	\$ -
Sentinel	kW	\$ 12.70	\$ -		\$ 12.44	\$ -		-\$ 0.26	\$ -
Unmetered	kWh	\$ 11.37	\$ -		\$ 11.11	\$ -		-\$ 0.26	\$ -

E. ACCOUNT 1575 IMPACT

In its Application at Exhibit 9, ENWIN noted that the Filing Guidelines indicate that a rate of return component (i.e. weighted average cost of capital) is to be applied to the balance of Account 1575. Accordingly, ENWIN applied its proposed WACC at that time of 6.02% for the purpose of determining the disposition amount proposed for Account 1575.⁸

ENWIN noted it would update the WACC value used in this calculation to reflect future cost of capital parameters issued by the Board prior to the issuance of the Board's decision for this application. ENWIN confirmed its intent to make this update in response to OEB Staff Pre-Settlement Clarification 20.

ENWIN's WACC has been recalculated at 5.66% after the cost of capital updates, as noted in Table E above. Accordingly, ENWIN has updated Appendix 2-EA of the DRO Chapter 2 Appendices with this value, and recalculated the amount to include in the Deferral and Variance Account Continuity Schedule for disposition, and the resulting Account 1575 rate riders. The impact on the Account 1575 balance proposed for disposition is summarized in Table I below.

⁸ Exhibit 9, Section 9.2.5 updated May 17, 2019 at page 10.

Table I: Account 1575 Balance for Disposition

Account 1575 Balance for Disposition				
		Settlement Proposal		Draft Rate Order
WACC		6.02%		5.66%
Closing balance in Account 1575	\$	23,811,114	\$	23,811,114
Return on Rate Base Associated with Account 1575 balance at WACC	\$	7,164,288	\$	6,738,545
Amount included in Deferral and Variance Account Rate Rider Calculation	\$	30,975,402	\$	30,549,660

The updated Account 1575 balance has been reflected in the Deferral and Variance Account Continuity Schedule (live Excel file entitled ENWIN 2020 COS_DVA_Continuity_Schedule_DRO_20191121) and the updated Account 1575 rate riders are contained within ENWIN's proposed Draft Tariff of Rates and Charges effective January 1, 2020 (Appendix A).

F. INFLATION PARAMETER

The proposed Tariff of Rates and Charges filed with the Settlement Proposal applied an inflationary increase of 1.20% to determine the 2020 Pole Attachment Charge and the 2020 Retail Service Charges. Within the Tariff Schedule and Bill Impact Model filed with the Settlement Proposal, it was noted the inflation factor was subject to change pending the OEB's approved inflation rates effective in 2020. On October 31, 2019, the OEB confirmed that a 2.0% inflation factor is applicable to rate changes effective in 2020.

Accordingly, the 2020 Pole Attachment Charge and the 2020 Retail Service Charges have been updated to reflect the 2.0% inflation factor. The 2.0% inflation factor has been applied to ENWIN's approved 2019 Pole Attachment and Retail Service Charges to determine the charges to include in the 2020 Tariff of Rates and Charges accompanying this draft rate order (Appendix A). This update has been reflected on Tab 3 of the file entitled ENWIN 2020 COS_Tariff_Schedule_and_Bill_Impact_Model_DRO_20191121.

Appendix A

ENWIN Utilities Ltd.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2019-0032

RESIDENTIAL SERVICE CLASSIFICATION

A customer qualifies for residential rate classification if their service is a 120/240 V single-phase supply to a single family dwelling, duplex, triplex, 4-plex or 6-plex, townhome or multi-unit - individually metered apartment, located on a parcel of land zoned by the City of Windsor Building Department for domestic or household purposes and where the customer uses the dwelling as a home. Where a customer operates an advertised business from a building that may or may not be used as a dwelling, EnWin Utilities Ltd. may elect to deem that the customer's rate class will be General Service. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	26.25
Rate Rider for Disposition of Account 1575 (2020) - effective until December 31, 2024	\$	(1.64)
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$	(0.98)
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2020	\$/kWh	0.0009
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kWh	0.0002
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	\$/kWh	0.0012
Rate Rider for Disposition of Global Adjustment Account (2020) Applicable only for Non-RPP Customers - effective until December 31, 2020	\$/kWh	(0.0034)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0087
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0059

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

ENWIN Utilities Ltd.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2019-0032

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

A non-residential customer qualifies for a rate classification of General Service Less Than 50 kW if within the last 12 months its monthly average peak demand load has not exceeded 50 kW or for a new customer is not expected to exceed 50 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	27.29
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0172
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2020	\$/kWh	0.0012
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kWh	0.0003
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kWh	(0.0016)
Rate Rider for Disposition of Account 1575 (2020) - effective until December 31, 2024	\$/kWh	(0.0027)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	\$/kWh	0.0016
Rate Rider for Disposition of Global Adjustment Account (2020) Applicable only for Non-RPP Customers - effective until December 31, 2020	\$/kWh	(0.0034)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0080
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0055

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

ENWIN Utilities Ltd.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
This schedule supersedes and replaces all previously
approved schedules of Rates, Charges and Loss Factors

EB-2019-0032

GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

A non-residential customer qualifies for a rate classification of General Service 50 to 4,999 kW if within the last 12 months its monthly average peak demand load has equaled or exceeded 50 kW or for a new customer is expected to equal or exceed 50 kW but be less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale participant.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to WMP, customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	107.93
Distribution Volumetric Rate	\$/kW	4.8056
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2020	\$/kW	0.2715
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2020) Applicable only for Non-Wholesale Market Participants - effective until December 31, 2020	\$/kW	(0.1345)
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2020) including Wholesale Market Participants - effective until December 31, 2020	\$/kW	0.2587
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kW	(0.6246)
Rate Rider for Disposition of Account 1575 (2020) - effective until December 31, 2024	\$/kW	(1.0448)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	\$/kW	0.5556
Rate Rider for Disposition of Global Adjustment Account (2020) Applicable only for Non-RPP Customers - effective until December 31, 2020	\$/kWh	(0.0034)
Retail Transmission Rate - Network Service Rate	\$/kW	2.7166
Retail Transmission Rate - Line and Transformation Connection Service Rate (see Gross Load Billing Note)	\$/kW	1.9000

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

ENWIN Utilities Ltd.
TARIFF OF RATES AND CHARGES
Effective and Implementation Date January 1, 2020
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LARGE USE - REGULAR SERVICE CLASSIFICATION

A customer is in the regular large use rate class when its monthly peak load, averaged over 12 consecutive months, is equal to or greater than 5,000 kW. The premises for this class of customer is predominantly used for large industrial or institutional purposes located on a parcel of land occupied by a single customer. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale participant.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to WMP, customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	9,072.46
Distribution Volumetric Rate	\$/kW	2.6921
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2020	\$/kW	0.1492
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2020) Applicable only for Non-Wholesale Market Participants - effective until December 31, 2020	\$/kW	(0.1876)
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2020) including Wholesale Market Participants - effective until December 31, 2020	\$/kW	0.3579
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kW	(0.8959)
Rate Rider for Disposition of Account 1575 (2020) - effective until December 31, 2024	\$/kW	(1.4986)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	\$/kW	0.2308
Rate Rider for Disposition of Global Adjustment Account (2020) Applicable only for Non-RPP Customers - effective until December 31, 2020	\$/kWh	(0.0034)
Retail Transmission Rate - Network Service Rate	\$/kW	3.7385
Retail Transmission Rate - Line Connection Service Rate (see Gross Load Billing Note)	\$/kW	0.7582
Retail Transmission Rate - Transformation Connection Service Rate (see Gross Load Billing Note)	\$/kW	1.8880

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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LARGE USE - 3TS SERVICE CLASSIFICATION

This classification applies to a customer whose monthly peak load, averaged over 12 consecutive months, is equal to or greater than 5,000 kW and the premise is serviced by a dedicated Transformer Station. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	38,504.89
Distribution Volumetric Rate	\$/kW	3.6647
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2018) - effective until April 30, 2020	\$/kW	0.3390
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2020) Applicable only for Non-Wholesale Market Participants - effective until December 31, 2020	\$/kW	(0.1884)
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2020) including Wholesale Market Participants - effective until December 31, 2020	\$/kW	0.3562
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2020) - effective until December 31, 2020	\$/kW	(0.8498)
Rate Rider for Disposition of Account 1575 (2020) - effective until December 31, 2024	\$/kW	(1.4215)
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2020) - effective until December 31, 2020	\$/kW	0.5543
Retail Transmission Rate - Network Service Rate	\$/kW	3.7385
Retail Transmission Rate - Line Connection Service Rate (see Gross Load Billing Note)	\$/kW	0.7582

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

ENWIN Utilities Ltd.
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UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	11.11
Rate Rider for Disposition of Account 1575 (2020) (per connection) - effective until December 31, 2024	\$	(0.69)
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2020) (per connection) - effective until December 31, 2020	\$	(0.41)
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2020) (per connection) - effective until December 31, 2020	\$	0.08
Rate Rider for Disposition of Global Adjustment Account (2020) Applicable only for Non-RPP Customers - effective until December 31, 2020	\$/kWh	(0.0034)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0080
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0055

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for exterior parkway lighting with various parties, controlled by photo cells. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	12.44
Rate Rider for Disposition of Account 1575 (2020) (per connection) - effective until December 31, 2024	\$	(0.32)
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2020) (per connection) - effective until December 31, 2020	\$	(0.19)
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2020) (per connection) - effective until December 31, 2020	\$	0.04
Rate Rider for Disposition of Global Adjustment Account (2020) Applicable only for Non-RPP Customers - effective until December 31, 2020	\$/kWh	(0.0034)
Retail Transmission Rate - Network Service Rate	\$/kW	2.4856
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.7384

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

ENWIN Utilities Ltd.
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STREET LIGHTING SERVICE CLASSIFICATION

This classification refers to an account for roadway lighting with the City of Windsor, controlled by photo cells. The consumption for these customers will be based on the calculated load times the required lighting times established in the approved Ontario Energy Board street lighting load shape profile. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	5.27
Rate Rider for Disposition of Account 1575 (2020) (per connection) - effective until December 31, 2024	\$	(0.06)
Rate Rider for Disposition of Group 2 Deferral/Variance Accounts (2020) (per connection) - effective until December 31, 2020	\$	(0.04)
Rate Rider for Disposition of Group 1 Deferral/Variance Accounts (2020) (per connection) - effective until December 31, 2020	\$	0.01
Rate Rider for Disposition of Global Adjustment Account (2020) Applicable only for Non-RPP Customers - effective until December 31, 2020	\$/kWh	(0.0034)
Retail Transmission Rate - Network Service Rate	\$/kW	2.4826
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.7366

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

ENWIN Utilities Ltd.
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microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Independent Electricity System Operator's microFIT program and connected to the distributor's distribution system. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	5.40
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ALLOWANCES

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

SPECIFIC SERVICE CHARGES

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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Customer Administration

Arrears certificate	\$	15.00
Pulling post dated cheques	\$	15.00
Easement letter	\$	15.00
Account history	\$	15.00
Credit reference/credit check (plus credit agency costs)	\$	15.00
Returned cheque (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
Dispute test - residential	\$	50.00
Dispute test - commercial self contained -- MC	\$	105.00
Dispute test - commercial TT -- MC	\$	180.00
Cellular Meter Reading Charge	\$	7.50

Non-Payment of Account

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnect at meter - during regular hours	\$	65.00
Reconnect at meter - after regular hours	\$	185.00

Other

Service layout - residential	\$	110.00
Service layout - commercial	\$	150.00
Overtime locate	\$	60.00
Disposal of concrete poles	\$	95.00
Missed service appointment	\$	65.00
Service call - customer owned equipment	\$	30.00
Same day open trench	\$	170.00
Scheduled day open trench	\$	100.00
Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments)	\$	44.50

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RETAIL SERVICE CHARGES (if applicable)

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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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	\$	102.00
Monthly fixed charge, per retailer	\$	40.80
Monthly variable charge, per customer, per retailer	\$/cust.	1.02
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.61
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.61)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.51
Processing fee, per request, applied to the requesting party	\$	1.02
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)	\$	4.08

LOSS FACTORS

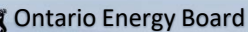
If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0311
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0207
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0045

GROSS LOAD BILLING NOTE

The Billing Demand for Line and Transformation Connection Services is defined as the Non-Coincident Peak demand (MW) in any hour of the month. The customer demand in any hour is the sum of (a) the loss adjusted demand supplied from the distribution system plus (b) the demand that is supplied by embedded generation installed after October 30, 1998, which have installed capacity of 2MW or more for renewable generation and 1 MW or higher for non-renewable generation. The term renewable generation refers to a facility that generates electricity from the following sources: wind, solar, Biomass, Bio-oil, Bio-gas, landfill gas, or water. The demand supplied by embedded generation will not be adjusted for loss.

Appendix B



Tariff Schedule and Bill Impacts Model (2020 Cost of Service Filers)

The bill comparisons below must be provided for typical customers and consumption levels. Bill impacts must be provided for residential customers consuming 750 kWh per month and general service customers consuming 2,000 kWh per month and having a monthly demand of less than 50 kW. Include bill comparisons for Non-RPP (retailer) as well. **To assess the combined effects of the shift to fixed rates and other bill impacts associated with changes in the cost of distribution service, applicants are to include a total bill impact for a residential customer at the distributor's 10th consumption percentile (In other words, 10% of a distributor's residential customers consume at or less than this level of consumption on a monthly basis). Refer to section 3.2.3 of the Chapter 3 Filing Requirements For Electricity Distribution Rate Applications.**

For certain classes where one or more customers have unique consumption and demand patterns and which may be significantly impacted by the proposed rate changes, the distributor must show a typical comparison, and provide an explanation.

Note:

1. For those classes that are not eligible for the RPP price, the weighted average price including Class B GA through end of May 2017 of \$0.1101/kWh (IESO's Monthly Market Report for May 2017, page 22) has been used to represent the cost of power. For those classes on a retailer contract, applicants should enter the contract price (plus GA) for a more accurate estimate. Changes to the cost of power can be made directly on the bill impact table for the specific class.

2. Please enter the applicable billing determinant (e.g. number of connections or devices) to be applied to the monthly service charge for unmetered rate classes in column N. If the monthly service charge is applied on a per customer basis, enter the number "1". Distributors should provide the number of connections or devices reflective of a typical customer in each class.

Note that cells with the highlighted color shown to the left indicate quantities that are loss adjusted.

Note that cells with the highlighted color shown to the left indicate quantities that are loss adjusted.

Table 1

[illegible]

Table 2

[illegible]

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0377	
Proposed/Approved Loss Factor	1.0311	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 26.57	1	\$ 26.57	\$ 26.2500	1	\$ 26.25	\$ (0.32)	-1.20%
Distribution Volumetric Rate	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Fixed Rate Riders	\$ 0.85	1	\$ 0.85	\$ (1.6400)	1	\$ (1.64)	\$ (2.49)	-292.94%
Volumetric Rate Riders	\$ 0.00	750	\$ 0.68	\$ 0.0021	750	\$ 1.58	\$ 0.90	133.33%
Sub-Total A (excluding pass through)			\$ 28.10			\$ 26.19	\$ (1.91)	-6.80%
Line Losses on Cost of Power	\$ 0.1280	28	\$ 3.62	\$ 0.1280	23	\$ 2.99	\$ (0.63)	-17.51%
Total Deferral/Variance Account Rate Riders	\$ (0.0012)	750	\$ (0.90)	\$ 0.0002	750	\$ 0.15	\$ 1.05	-116.67%
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
GA Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.5700	1	\$ 0.57	\$ 0.5700	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ (0.9800)	1	\$ (0.98)	\$ (0.98)	
Additional Volumetric Rate Riders		750	\$ -	\$ -	750	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 31.38			\$ 28.91	\$ (2.47)	-7.88%
RTSR - Network	\$ 0.0082	778	\$ 6.38	\$ 0.0087	773	\$ 6.73	\$ 0.35	5.42%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0058	778	\$ 4.51	\$ 0.0059	773	\$ 4.56	\$ 0.05	1.08%
Sub-Total C - Delivery (including Sub-Total B)			\$ 42.28			\$ 40.20	\$ (2.08)	-4.92%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	778	\$ 2.65	\$ 0.0034	773	\$ 2.63	\$ (0.02)	-0.64%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	778	\$ 0.39	\$ 0.0005	773	\$ 0.39	\$ (0.00)	-0.64%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1010	480	\$ 48.48	\$ 0.1010	480	\$ 48.48	\$ -	0.00%
TOU - Mid Peak	\$ 0.1440	135	\$ 19.44	\$ 0.1440	135	\$ 19.44	\$ -	0.00%
TOU - On Peak	\$ 0.2080	135	\$ 28.08	\$ 0.2080	135	\$ 28.08	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 141.57			\$ 139.47	\$ (2.10)	-1.48%
HST	13%		\$ 18.40	13%		\$ 18.13	\$ (0.27)	-1.48%
Ontario Electricity Rebate	31.8%		\$ (45.02)	31.8%		\$ (44.35)	\$ 0.67	-1.48%
Total Bill on TOU			\$ 114.95			\$ 113.25	\$ (1.70)	-1.48%

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0377	
Proposed/Approved Loss Factor	1.0311	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 27.18	1	\$ 27.18	\$ 27.2900	1	\$ 27.29	\$ 0.11	0.40%
Distribution Volumetric Rate	\$ 0.02	2000	\$ 35.20	\$ 0.0172	2000	\$ 34.40	\$ (0.80)	-2.27%
Fixed Rate Riders	\$ 3.75	1	\$ 3.75	-	1	\$ -	\$ (3.75)	-100.00%
Volumetric Rate Riders	\$ 0.00	2000	\$ 1.80	\$ 0.0001	2000	\$ 0.20	\$ (1.60)	-88.89%
Sub-Total A (excluding pass through)			\$ 67.93			\$ 61.89	\$ (6.04)	-8.89%
Line Losses on Cost of Power	\$ 0.1280	75	\$ 9.65	\$ 0.1280	62	\$ 7.96	\$ (1.69)	-17.51%
Total Deferral/Variance Account Rate	\$ (0.0012)	2,000	\$ (2.40)	\$ (0.0013)	2,000	\$ (2.60)	\$ (0.20)	8.33%
Riders								
CBR Class B Rate Riders	\$ -	2,000	\$ -	-	2,000	\$ -	\$ -	
GA Rate Riders	\$ -	2,000	\$ -	-	2,000	\$ -	\$ -	
Low Voltage Service Charge	\$ -	2,000	\$ -	-	2,000	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.5700	1	\$ 0.57	\$ 0.5700	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	-	1	\$ -	\$ -	
Additional Volumetric Rate Riders		2,000	\$ -	-	2,000	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 75.75			\$ 67.82	\$ (7.93)	-10.47%
RTSR - Network	\$ 0.0076	2,075	\$ 15.77	\$ 0.0080	2,062	\$ 16.50	\$ 0.72	4.59%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0054	2,075	\$ 11.21	\$ 0.0055	2,062	\$ 11.34	\$ 0.13	1.20%
Sub-Total C - Delivery (including Sub-Total B)			\$ 102.73			\$ 95.66	\$ (7.07)	-6.88%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	2,075	\$ 7.06	\$ 0.0034	2,062	\$ 7.01	\$ (0.04)	-0.64%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	2,075	\$ 1.04	\$ 0.0005	2,062	\$ 1.03	\$ (0.01)	-0.64%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1010	1,280	\$ 129.28	\$ 0.1010	1,280	\$ 129.28	\$ -	0.00%
TOU - Mid Peak	\$ 0.1440	360	\$ 51.84	\$ 0.1440	360	\$ 51.84	\$ -	0.00%
TOU - On Peak	\$ 0.2080	360	\$ 74.88	\$ 0.2080	360	\$ 74.88	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 367.08			\$ 359.95	\$ (7.12)	-1.94%
HST	13%		\$ 47.72	13%		\$ 46.79	\$ (0.93)	-1.94%
Ontario Electricity Rebate	31.8%		\$ (116.73)	31.8%		\$ (114.47)	\$ 2.26	-1.94%
Total Bill on TOU			\$ 298.07			\$ 292.28	\$ (5.78)	-1.94%

Customer Class:	GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	65,000	kWh
Demand	200	kW
Current Loss Factor	1.0377	
Proposed/Approved Loss Factor	1.0311	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 107.93	1	\$ 107.93	\$ 107.9300	1	\$ 107.93	\$ -	0.00%
Distribution Volumetric Rate	\$ 4.98	200	\$ 996.78	\$ 4.8056	200	\$ 961.12	\$ (35.66)	-3.58%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.22	200	\$ 43.54	\$ (0.2177)	200	\$ (43.54)	\$ (87.08)	-200.00%
Sub-Total A (excluding pass through)			\$ 1,148.25			\$ 1,025.51	\$ (122.74)	-10.69%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ (0.4702)	200	\$ (94.04)	\$ (0.5004)	200	\$ (100.08)	\$ (6.04)	6.42%
CBR Class B Rate Riders	\$ -	200	\$ -	\$ -	200	\$ -	\$ -	
GA Rate Riders	\$ 0.0019	65,000	\$ 123.50	\$ (0.0034)	65,000	\$ (221.00)	\$ (344.50)	-278.95%
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)			\$ 1,177.71			\$ 704.43	\$ (473.28)	-40.19%
RTSR - Network	\$ 2.5629	200	\$ 512.58	\$ 2.7166	200	\$ 543.32	\$ 30.74	6.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.8611	200	\$ 372.22	\$ 1.9000	200	\$ 380.00	\$ 7.78	2.09%
Sub-Total C - Delivery (including Sub-Total B)			\$ 2,062.51			\$ 1,627.75	\$ (434.76)	-21.08%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	67,451	\$ 229.33	\$ 0.0034	67,022	\$ 227.87	\$ (1.46)	-0.64%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	67,451	\$ 33.73	\$ 0.0005	67,022	\$ 33.51	\$ (0.21)	-0.64%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	67,451	\$ 7,426.30	\$ 0.1101	67,022	\$ 7,379.07	\$ (47.23)	-0.64%
Total Bill on Average IESO Wholesale Market Price			\$ 9,752.12			\$ 9,268.45	\$ (483.67)	-4.96%
HST	13%		\$ 1,267.78	13%		\$ 1,204.90	\$ (62.88)	-4.96%
Total Bill on Average IESO Wholesale Market Price			\$ 11,019.89			\$ 10,473.35	\$ (546.54)	-4.96%

Customer Class:	LARGE USE - REGULAR SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	4,323,000	kWh
Demand	7,900	kW
Current Loss Factor	1.0045	
Proposed/Approved Loss Factor	1.0045	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 8,176.21	1	\$ 8,176.21	\$ 9,072.4600	1	\$ 9,072.46	\$ 896.25	10.96%
Distribution Volumetric Rate	\$ 2.36	7900	\$ 18,621.09	\$ 2.6921	7900	\$ 21,267.59	\$ 2,646.50	14.21%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.12	7900	\$ 936.15	\$ (1.1186)	7900	\$ (8,836.94)	\$ (9,773.09)	-1043.97%
Sub-Total A (excluding pass through)			\$ 27,733.45			\$ 21,503.11	\$ (6,230.34)	-22.47%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ (0.6429)	7,900	\$ (5,078.91)	\$ (0.7256)	7,900	\$ (5,732.24)	\$ (653.33)	12.86%
CBR Class B Rate Riders	\$ -	7,900	\$ -	\$ -	7,900	\$ -	\$ -	
GA Rate Riders	\$ 0.0019	4,323,000	\$ 8,213.70	\$ (0.0034)	4,323,000	\$ (14,698.20)	\$ (22,911.90)	-278.95%
Low Voltage Service Charge	\$ -	7,900	\$ -	\$ -	7,900	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	7,900	\$ -	\$ -	7,900	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 30,868.24			\$ 1,072.67	\$ (29,795.57)	-96.53%
RTSR - Network	\$ 3.5270	7,900	\$ 27,863.30	\$ 3.7385	7,900	\$ 29,534.15	\$ 1,670.85	6.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.5919	7,900	\$ 20,476.01	\$ 2.6461	7,900	\$ 20,904.19	\$ 428.18	2.09%
Sub-Total C - Delivery (including Sub-Total B)			\$ 79,207.55			\$ 51,511.01	\$ (27,696.54)	-34.97%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	4,342,454	\$ 14,764.34	\$ 0.0034	4,342,454	\$ 14,764.34	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	4,342,454	\$ 2,171.23	\$ 0.0005	4,342,454	\$ 2,171.23	\$ -	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	4,342,454	\$ 478,104.13	\$ 0.1101	4,342,454	\$ 478,104.13	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 574,247.50			\$ 546,550.96	\$ (27,696.54)	-4.82%
HST	13%		\$ 74,652.17	13%		\$ 71,051.62	\$ (3,600.55)	-4.82%
Total Bill on Average IESO Wholesale Market Price			\$ 648,899.67			\$ 617,602.58	\$ (31,297.09)	-4.82%

Customer Class:	LARGE USE - 3TS SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	8,334,000	kWh
Demand	15,800	kW
Current Loss Factor	1.0045	
Proposed/Approved Loss Factor	1.0045	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 28,953.80	1	\$ 28,953.80	\$ 38,504.89	1	\$ 38,504.89	\$ 9,551.09	32.99%
Distribution Volumetric Rate	\$ 2.94	15800	\$ 46,477.28	\$ 3.6647	15800	\$ 57,902.26	\$ 11,424.98	24.58%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.29	15800	\$ 4,515.64	\$ (0.5282)	15800	\$ (8,345.56)	\$ (12,861.20)	-284.81%
Sub-Total A (excluding pass through)			\$ 79,946.72			\$ 88,061.59	\$ 8,114.87	10.15%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ (0.6817)	15,800	\$ (10,770.86)	\$ (0.6820)	15,800	\$ (10,775.60)	\$ (4.74)	0.04%
CBR Class B Rate Riders	\$ -	15,800	\$ -	\$ -	15,800	\$ -	\$ -	
GA Rate Riders	\$ -	8,334,000	\$ -	\$ -	8,334,000	\$ -	\$ -	
Low Voltage Service Charge	\$ -	15,800	\$ -	\$ -	15,800	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	15,800	\$ -	\$ -	15,800	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 69,175.86			\$ 77,285.99	\$ 8,110.13	11.72%
RTSR - Network	\$ 3.5270	15,800	\$ 55,726.60	\$ 3.7385	15,800	\$ 59,068.30	\$ 3,341.70	6.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.7426	15,800	\$ 11,733.08	\$ 0.7582	15,800	\$ 11,979.56	\$ 246.48	2.10%
Sub-Total C - Delivery (including Sub-Total B)			\$ 136,635.54			\$ 148,333.85	\$ 11,698.31	8.56%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	8,371,503	\$ 28,463.11	\$ 0.0034	8,371,503	\$ 28,463.11	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	8,371,503	\$ 4,185.75	\$ 0.0005	8,371,503	\$ 4,185.75	\$ -	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	8,371,503	\$ 921,702.48	\$ 0.1101	8,371,503	\$ 921,702.48	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 1,090,987.13			\$ 1,102,685.44	\$ 11,698.31	1.07%
HST	13%		\$ 141,828.33	13%		\$ 143,349.11	\$ 1,520.78	1.07%
Total Bill on Average IESO Wholesale Market Price			\$ 1,232,815.46			\$ 1,246,034.55	\$ 13,219.09	1.07%

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	6,100	kWh	
Demand	-	kW	
Current Loss Factor	1.0377		
Proposed/Approved Loss Factor	1.0311		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 10.97	23	\$ 252.31	\$ 11.1100	23	\$ 255.53	\$ 3.22	1.28%
Distribution Volumetric Rate	\$ -	6100	\$ -	\$ -	6100	\$ -	\$ -	
Fixed Rate Riders	\$ (0.12)	23	\$ (2.76)	\$ (0.6900)	23	\$ (15.87)	\$ (13.11)	475.00%
Volumetric Rate Riders	\$ -	6100	\$ -	\$ -	6100	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 249.55			\$ 239.66	\$ (9.89)	-3.96%
Line Losses on Cost of Power	\$ 0.1280	230	\$ 29.44	\$ 0.1280	190	\$ 24.28	\$ (5.15)	-17.51%
Total Deferral/Variance Account Rate Riders	\$ -	6,100	\$ -	\$ -	6,100	\$ -	\$ -	
CBR Class B Rate Riders	\$ -	6,100	\$ -	\$ -	6,100	\$ -	\$ -	
GA Rate Riders	\$ -	6,100	\$ -	\$ -	6,100	\$ -	\$ -	
Low Voltage Service Charge	\$ -	6,100	\$ -	\$ -	6,100	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ (0.3300)	23	\$ (7.59)	\$ (0.3300)	23	\$ (7.59)	\$ -	0.00%
Additional Volumetric Rate Riders		6,100	\$ -		6,100	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 271.40			\$ 256.35	\$ (15.04)	-5.54%
RTSR - Network	\$ 0.0076	6,330	\$ 48.11	\$ 0.0080	6,290	\$ 50.32	\$ 2.21	4.59%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0054	6,330	\$ 34.18	\$ 0.0055	6,290	\$ 34.59	\$ 0.41	1.20%
Sub-Total C - Delivery (including Sub-Total B)			\$ 353.69			\$ 341.26	\$ (12.42)	-3.51%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	6,330	\$ 21.52	\$ 0.0034	6,290	\$ 21.39	\$ (0.14)	-0.64%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	6,330	\$ 3.16	\$ 0.0005	6,290	\$ 3.14	\$ (0.02)	-0.64%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1010	3,904	\$ 394.30	\$ 0.1010	3,904	\$ 394.30	\$ -	0.00%
TOU - Mid Peak	\$ 0.1440	1,098	\$ 158.11	\$ 0.1440	1,098	\$ 158.11	\$ -	0.00%
TOU - On Peak	\$ 0.2080	1,098	\$ 228.38	\$ 0.2080	1,098	\$ 228.38	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 1,159.42			\$ 1,146.84	\$ (12.58)	-1.08%
HST	13%		\$ 150.72	13%		\$ 149.09	\$ (1.64)	-1.08%
Total Bill on TOU			\$ 1,310.15			\$ 1,295.93	\$ (14.21)	-1.08%

Customer Class:	SENTINEL LIGHTING SERVICE CLASSIFICATION		
RPP / Non-RPP:	RPP		
Consumption	255	kWh	
Demand	1	kW	
Current Loss Factor	1.0377		
Proposed/Approved Loss Factor	1.0311		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 12.59	2	\$ 25.18	\$ 12.4400	2	\$ 24.88	\$ (0.30)	-1.19%
Distribution Volumetric Rate	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Fixed Rate Riders	\$ (0.14)	2	\$ (0.28)	\$ (0.3200)	2	\$ (0.64)	\$ (0.36)	128.57%
Volumetric Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 24.90			\$ 24.24	\$ (0.66)	-2.65%
Line Losses on Cost of Power	\$ 0.1280	10	\$ 1.23	\$ 0.1280	8	\$ 1.02	\$ (0.22)	-17.51%
Total Deferral/Variance Account Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
CBR Class B Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
GA Rate Riders	\$ -	255	\$ -	\$ -	255	\$ -	\$ -	
Low Voltage Service Charge	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ (0.1500)	2	\$ (0.30)	\$ (0.1500)	2	\$ (0.30)	\$ -	0.00%
Additional Volumetric Rate Riders		1	\$ -	\$ -	1	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 25.83			\$ 24.96	\$ (0.88)	-3.39%
RTSR - Network	\$ 2.3450	1	\$ 2.35	\$ 2.4856	1	\$ 2.49	\$ 0.14	6.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.7028	1	\$ 1.70	\$ 1.7384	1	\$ 1.74	\$ 0.04	2.09%
Sub-Total C - Delivery (including Sub-Total B)			\$ 29.88			\$ 29.18	\$ (0.70)	-2.34%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	265	\$ 0.90	\$ 0.0034	263	\$ 0.89	\$ (0.01)	-0.64%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	265	\$ 0.13	\$ 0.0005	263	\$ 0.13	\$ (0.00)	-0.64%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.1010	163	\$ 16.48	\$ 0.1010	163	\$ 16.48	\$ -	0.00%
TOU - Mid Peak	\$ 0.1440	46	\$ 6.61	\$ 0.1440	46	\$ 6.61	\$ -	0.00%
TOU - On Peak	\$ 0.2080	46	\$ 9.55	\$ 0.2080	46	\$ 9.55	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 63.80			\$ 63.09	\$ (0.71)	-1.11%
HST	13%		\$ 8.29	13%		\$ 8.20	\$ (0.09)	-1.11%
Total Bill on TOU			\$ 72.09			\$ 71.30	\$ (0.80)	-1.11%

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	269,000	kWh
Demand	800	kW
Current Loss Factor	1.0377	
Proposed/Approved Loss Factor	1.0311	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 6.07	12181	\$ 73,938.67	\$ 5.2700	12181	\$ 64,193.87	\$ (9,744.80)	-13.18%
Distribution Volumetric Rate	\$ -	800	\$ -	\$ -	800	\$ -	\$ -	
Fixed Rate Riders	\$ (0.04)	12181	\$ (487.24)	\$ (0.0600)	12181	\$ (730.86)	\$ (243.62)	50.00%
Volumetric Rate Riders	\$ -	800	\$ -	\$ -	800	\$ -	\$ -	
Sub-Total A (excluding pass through)			\$ 73,451.43			\$ 63,463.01	\$ (9,988.42)	-13.60%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ -	800	\$ -	\$ -	800	\$ -	\$ -	
CBR Class B Rate Riders	\$ -	800	\$ -	\$ -	800	\$ -	\$ -	
GA Rate Riders	\$ 0.0019	269,000	\$ 511.10	\$ (0.0034)	269,000	\$ (914.60)	\$ (1,425.70)	-278.95%
Low Voltage Service Charge	\$ -	800	\$ -	\$ -	800	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ (0.0300)	12181	\$ (365.43)	\$ (0.0300)	12181	\$ (365.43)	\$ -	0.00%
Additional Volumetric Rate Riders		800	\$ -		800	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 73,597.10			\$ 62,182.98	\$ (11,414.12)	-15.51%
RTSR - Network	\$ 2.3421	800	\$ 1,873.68	\$ 2.4826	800	\$ 1,986.08	\$ 112.40	6.00%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.7011	800	\$ 1,360.88	\$ 1.7366	800	\$ 1,389.28	\$ 28.40	2.09%
Sub-Total C - Delivery (including Sub-Total B)			\$ 76,831.66			\$ 65,558.34	\$ (11,273.32)	-14.67%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	279,141	\$ 949.08	\$ 0.0034	277,366	\$ 943.04	\$ (6.04)	-0.64%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	279,141	\$ 139.57	\$ 0.0005	277,366	\$ 138.68	\$ (0.89)	-0.64%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1101	279,141	\$ 30,733.46	\$ 0.1101	277,366	\$ 30,537.99	\$ (195.47)	-0.64%
Total Bill on Average IESO Wholesale Market Price			\$ 108,654.02			\$ 97,178.30	\$ (11,475.72)	-10.56%
HST	13%		\$ 14,125.02	13%		\$ 12,633.18	\$ (1,491.84)	-10.56%
Total Bill on Average IESO Wholesale Market Price			\$ 122,779.04			\$ 109,811.48	\$ (12,967.56)	-10.56%

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0377	
Proposed/Approved Loss Factor	1.0311	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 26.57	1	\$ 26.57	\$ 26.2500	1	\$ 26.25	\$ (0.32)	-1.20%
Distribution Volumetric Rate	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Fixed Rate Riders	\$ 0.85	1	\$ 0.85	\$ (1.6400)	1	\$ (1.64)	\$ (2.49)	-292.94%
Volumetric Rate Riders	\$ 0.00	750	\$ 0.68	\$ 0.0021	750	\$ 1.58	\$ 0.90	133.33%
Sub-Total A (excluding pass through)			\$ 28.10			\$ 26.19	\$ (1.91)	-6.80%
Line Losses on Cost of Power	\$ 0.1101	28	\$ 3.11	\$ 0.1101	23	\$ 2.57	\$ (0.54)	-17.51%
Total Deferral/Variance Account Rate Riders	\$ (0.0012)	750	\$ (0.90)	\$ 0.0002	750	\$ 0.15	\$ 1.05	-116.67%
CBR Class B Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
GA Rate Riders	\$ 0.0019	750	\$ 1.43	\$ (0.0034)	750	\$ (2.55)	\$ (3.98)	-278.95%
Low Voltage Service Charge	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.5700	1	\$ 0.57	\$ 0.5700	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ (0.9800)	1	\$ (0.98)	\$ (0.98)	
Additional Volumetric Rate Riders		750	\$ -		750	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 32.30			\$ 25.94	\$ (6.36)	-19.69%
RTSR - Network	\$ 0.0082	778	\$ 6.38	\$ 0.0087	773	\$ 6.73	\$ 0.35	5.42%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0058	778	\$ 4.51	\$ 0.0059	773	\$ 4.56	\$ 0.05	1.08%
Sub-Total C - Delivery (including Sub-Total B)			\$ 43.20			\$ 37.23	\$ (5.97)	-13.81%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	778	\$ 2.65	\$ 0.0034	773	\$ 2.63	\$ (0.02)	-0.64%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	778	\$ 0.39	\$ 0.0005	773	\$ 0.39	\$ (0.00)	-0.64%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1101	750	\$ 82.58	\$ 0.1101	750	\$ 82.58	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 128.81			\$ 122.82	\$ (5.98)	-4.65%
HST	13%		\$ 16.75	13%		\$ 15.97	\$ (0.78)	-4.65%
Ontario Electricity Rebate	31.8%		\$ (40.96)	31.8%		\$ (39.06)	\$ 1.90	-4.65%
Total Bill on Non-RPP Avg. Price			\$ 104.59			\$ 99.73	\$ (4.86)	-4.65%

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0377	
Proposed/Approved Loss Factor	1.0311	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 27.18	1	\$ 27.18	\$ 27.2900	1	\$ 27.29	\$ 0.11	0.40%
Distribution Volumetric Rate	\$ 0.02	2000	\$ 35.20	\$ 0.0172	2000	\$ 34.40	\$ (0.80)	-2.27%
Fixed Rate Riders	\$ 3.75	1	\$ 3.75	\$ -	1	\$ -	\$ (3.75)	-100.00%
Volumetric Rate Riders	\$ 0.00	2000	\$ 1.80	\$ 0.0001	2000	\$ 0.20	\$ (1.60)	-88.89%
Sub-Total A (excluding pass through)			\$ 67.93			\$ 61.89	\$ (6.04)	-8.89%
Line Losses on Cost of Power	\$ 0.1101	75	\$ 8.30	\$ 0.1101	62	\$ 6.85	\$ (1.45)	-17.51%
Total Deferral/Variance Account Rate Riders	\$ (0.0012)	2,000	\$ (2.40)	\$ (0.0013)	2,000	\$ (2.60)	\$ (0.20)	8.33%
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
GA Rate Riders	\$ 0.0019	2,000	\$ 3.80	\$ (0.0034)	2,000	\$ (6.80)	\$ (10.60)	-278.95%
Low Voltage Service Charge	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Smart Meter Entity Charge (if applicable)	\$ 0.5700	1	\$ 0.57	\$ 0.5700	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders		2,000	\$ -		2,000	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 78.20			\$ 59.91	\$ (18.29)	-23.39%
RTSR - Network	\$ 0.0076	2,075	\$ 15.77	\$ 0.0080	2,062	\$ 16.50	\$ 0.72	4.59%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0054	2,075	\$ 11.21	\$ 0.0055	2,062	\$ 11.34	\$ 0.13	1.20%
Sub-Total C - Delivery (including Sub-Total B)			\$ 105.18			\$ 87.75	\$ (17.43)	-16.57%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	2,075	\$ 7.06	\$ 0.0034	2,062	\$ 7.01	\$ (0.04)	-0.64%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	2,075	\$ 1.04	\$ 0.0005	2,062	\$ 1.03	\$ (0.01)	-0.64%
Standard Supply Service Charge								
Non-RPP Retailer Avg. Price	\$ 0.1101	2,000	\$ 220.20	\$ 0.1101	2,000	\$ 220.20	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 333.48			\$ 315.99	\$ (17.49)	-5.24%
HST	13%		\$ 43.35	13%		\$ 41.08	\$ (2.27)	-5.24%
Ontario Electricity Rebate	31.8%		\$ (106.05)	31.8%		\$ (100.48)	\$ 5.56	-5.24%
Total Bill on Non-RPP Avg. Price			\$ 270.78			\$ 256.58	\$ (14.20)	-5.24%

Appendix C



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2020 Filers



Version 8.00

Utility Name	ENWIN Utilities Ltd.
Service Territory	Windsor, Ontario
Assigned EB Number	EB-2019-0032
Name and Title	Paul Gleason
Phone Number	519-255-2888 ext. 325
Email Address	regulatory@enwin.com
Test Year	2020
Bridge Year	2019
Last Rebasing Year	2009

The RRWF has been enhanced commencing with 2017 rate applications to provide estimated base distribution rates. The enhanced RRWF is not intended to replace a utility's formal rate generator model which should continue to be the source of the proposed rates as well as the final ones at the conclusion of the proceeding. The load forecasting addition made to this model is intended to be demonstrative only and does not replace the information filed in the utility's application. In an effort to minimize the incremental work required from utilities, the cost allocation and rate design additions to this model do in fact replace former appendices that were required to be filed as part of the cost of service (Chapter 2) filing requirements.

This Workbook Model is protected by copyright and is being made available to you solely for the purpose of filing your application. You may use and copy this model for that purpose, and provide a copy of this model to any person that is advising or assisting you in that regard. Except as indicated above, any copying, reproduction, publication, sale, adaptation, translation, modification, reverse engineering or other use or dissemination of this model without the express written consent of the Ontario Energy Board is prohibited. If you provide a copy of this model to a person that is advising or assisting you in preparing the application or reviewing your draft rate order, you must ensure that the person understands and agrees to the restrictions noted above.

While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the results.



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2020 Filers

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[2. Table of Contents](#)

[3. Data Input Sheet](#)

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[5. Utility Income](#)

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[12. Residential Rate Design](#)

[13. Rate Design and Revenue Reconciliation](#)

[14. Tracking Sheet](#)

Notes:

- (1) Pale green cells represent inputs
- (2) Pale green boxes at the bottom of each page are for additional notes
- (3) Pale yellow cells represent drop-down lists
- (4) ***Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.***
- (5) ***Completed versions of the Revenue Requirement Work Form are required to be filed in working Microsoft Excel format.***



Revenue Requirement Workform (RRWF) for 2020 Filers

Data Input ⁽¹⁾

	Initial Application ⁽²⁾	Adjustments	Interrogatory Responses ⁽⁶⁾	Adjustments	Per Board Decision
1 Rate Base					
Gross Fixed Assets (average)	\$336,753,251	\$2,727,536	\$ 339,480,787	(\$3,713,999)	\$335,766,788
Accumulated Depreciation (average)	(\$110,280,094) ⁽⁵⁾	\$391,356	(\$109,888,738)	\$117,200	(\$109,771,538)
Allowance for Working Capital:					
Controllable Expenses	\$29,511,932		\$ 29,511,932	(\$1,250,000)	\$28,261,932
Cost of Power	\$257,146,004	(\$22,008,741)	\$ 235,137,263		\$235,137,263
Working Capital Rate (%)	7.50% ⁽⁹⁾		7.50% ⁽⁹⁾		7.50% ⁽⁹⁾
2 Utility Income					
Operating Revenues:					
Distribution Revenue at Current Rates	\$50,936,794	(\$529,209)	\$50,407,585	\$491,025	\$50,898,610
Distribution Revenue at Proposed Rates	\$54,238,255	(\$829,378)	\$53,408,877	(\$3,120,089)	\$50,288,788
Other Revenue:					
Specific Service Charges	\$675,108	\$0	\$675,108	\$0	\$675,108
Late Payment Charges	\$384,000	\$0	\$384,000	\$0	\$384,000
Other Distribution Revenue	\$1,485,454	\$0	\$1,485,454	\$0	\$1,485,454
Other Income and Deductions	\$1,463,353	\$0	\$1,463,353	\$117,000	\$1,580,353
Total Revenue Offsets	\$4,007,915 ⁽⁷⁾	\$0	\$4,007,915	\$117,000	\$4,124,915
Operating Expenses:					
OM+A Expenses	\$29,347,816		\$ 29,347,816	(\$1,250,000)	\$28,097,816
Depreciation/Amortization	\$11,500,628	(\$701,016)	\$ 10,799,612	(\$108,098)	\$10,691,514
Property taxes	\$331,505		\$ 331,505		\$331,505
Other expenses	\$69,800		69800		\$69,800
3 Taxes/PILs					
Taxable Income:					
Adjustments required to arrive at taxable income	(\$3,153,574) ⁽³⁾		(\$3,807,387)		(\$4,712,679)
Utility Income Taxes and Rates:					
Income taxes (not grossed up)	\$1,524,704		\$1,365,419		\$970,559
Income taxes (grossed up)	\$2,074,427		\$1,857,713		\$1,320,488
Federal tax (%)	15.00%		15.00%		15.00%
Provincial tax (%)	11.50%		11.50%		11.50%
Income Tax Credits	\$ -				
4 Capitalization/Cost of Capital					
Capital Structure:					
Long-term debt Capitalization Ratio (%)	56.0%		56.0%		56.0%
Short-term debt Capitalization Ratio (%)	4.0% ⁽⁸⁾		4.0% ⁽⁸⁾		4.0% ⁽⁸⁾
Common Equity Capitalization Ratio (%)	40.0%		40.0%		40.0%
Preferred Shares Capitalization Ratio (%)	0.0%		0.0%		0.0%
	100.0%		100.0%		100.0%
Cost of Capital					
Long-term debt Cost Rate (%)	4.13%		4.13%		3.82%
Short-term debt Cost Rate (%)	2.82%		2.82%		2.75%
Common Equity Cost Rate (%)	8.98%		8.98%		8.52%
Preferred Shares Cost Rate (%)	0.00%		0.00%		0.00%

Notes:

- General** Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.
- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)
- (2) Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I
- (3) Net of addbacks and deductions to arrive at taxable income.
- (4) Average of Gross Fixed Assets at beginning and end of the Test Year
- (5) Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
- (6) Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
- (7) Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
- (8) 4.0% unless an Applicant has proposed or been approved for another amount.
- (9) The default Working Capital Allowance factor is **7.5%** (of Cost of Power plus controllable expenses), per the letter issued by the Board on June 3, 2015. Alternatively, a WCA factor based on lead-lag study, with supporting rationale could be provided.



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2020 Filers

Rate Base and Working Capital

Line No.	Rate Base Particulars	Initial Application	Adjustments	Interrogatory Responses	Adjustments	Per Board Decision
1	Gross Fixed Assets (average) ⁽²⁾	\$336,753,251	\$2,727,536	\$339,480,787	(\$3,713,999)	\$335,766,788
2	Accumulated Depreciation (average) ⁽²⁾	(\$110,280,094)	\$391,356	(\$109,888,738)	\$117,200	(\$109,771,538)
3	Net Fixed Assets (average) ⁽²⁾	\$226,473,157	\$3,118,892	\$229,592,049	(\$3,596,799)	\$225,995,250
4	Allowance for Working Capital ⁽¹⁾	\$21,499,345	(\$1,650,656)	\$19,848,690	(\$93,750)	\$19,754,940
5	Total Rate Base	\$247,972,502	\$1,468,236	\$249,440,739	(\$3,690,549)	\$245,750,190

(1) Allowance for Working Capital - Derivation

6	Controllable Expenses	\$29,511,932	\$ -	\$29,511,932	(\$1,250,000)	\$28,261,932
7	Cost of Power	\$257,146,004	(\$22,008,741)	\$235,137,263	\$ -	\$235,137,263
8	Working Capital Base	\$286,657,936	(\$22,008,741)	\$264,649,195	(\$1,250,000)	\$263,399,195
9	Working Capital Rate % ⁽¹⁾	7.50%	0.00%	7.50%	0.00%	7.50%
10	Working Capital Allowance	\$21,499,345	(\$1,650,656)	\$19,848,690	(\$93,750)	\$19,754,940

Notes

(1) Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2018 cost of service applications is 7.5%, per the letter issued by the Board on June 3, 2015.

(2) Average of opening and closing balances for the year.



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2020 Filers

Utility Income

Line No.	Particulars	Initial Application	Adjustments	Interrogatory Responses	Adjustments	Per Board Decision
Operating Revenues:						
1	Distribution Revenue (at Proposed Rates)	\$54,238,255	(\$829,378)	\$53,408,877	(\$3,120,089)	\$50,288,788
2	Other Revenue ⁽¹⁾	\$4,007,915	\$ -	\$4,007,915	\$117,000	\$4,124,915
3	Total Operating Revenues	\$58,246,170	(\$829,378)	\$57,416,792	(\$3,003,089)	\$54,413,703
Operating Expenses:						
4	OM+A Expenses	\$29,347,816	\$ -	\$29,347,816	(\$1,250,000)	\$28,097,816
5	Depreciation/Amortization	\$11,500,628	(\$701,016)	\$10,799,612	(\$108,098)	\$10,691,514
6	Property taxes	\$331,505	\$ -	\$331,505	\$ -	\$331,505
7	Capital taxes	\$ -	\$ -	\$ -	\$ -	\$ -
8	Other expense	\$69,800	\$ -	\$69,800	\$ -	\$69,800
9	Subtotal (lines 4 to 8)	\$41,249,749	(\$701,016)	\$40,548,733	(\$1,358,098)	\$39,190,635
10	Deemed Interest Expense	\$6,014,821	\$35,614	\$6,050,435	(\$523,021)	\$5,527,413
11	Total Expenses (lines 9 to 10)	\$47,264,570	(\$665,402)	\$46,599,168	(\$1,881,119)	\$44,718,048
12	Utility income before income taxes	\$10,981,599	(\$163,975)	\$10,817,624	(\$1,121,970)	\$9,695,654
13	Income taxes (grossed-up)	\$2,074,427	(\$216,714)	\$1,857,713	(\$537,224)	\$1,320,488
14	Utility net income	\$8,907,172	\$52,739	\$8,959,911	(\$584,745)	\$8,375,166

Notes

Other Revenues / Revenue Offsets

⁽¹⁾	Specific Service Charges	\$675,108	\$ -	\$675,108	\$ -	\$675,108
	Late Payment Charges	\$384,000	\$ -	\$384,000	\$ -	\$384,000
	Other Distribution Revenue	\$1,485,454	\$ -	\$1,485,454	\$ -	\$1,485,454
	Other Income and Deductions	\$1,463,353	\$ -	\$1,463,353	\$117,000	\$1,580,353
	Total Revenue Offsets	\$4,007,915	\$ -	\$4,007,915	\$117,000	\$4,124,915



Revenue Requirement Workform (RRWF) for 2020 Filers

Taxes/PILs

Line No.	Particulars	Application	Interrogatory Responses	Per Board Decision
<u>Determination of Taxable Income</u>				
1	Utility net income before taxes	\$8,907,172	\$8,959,911	\$8,375,166
2	Adjustments required to arrive at taxable utility income	(\$3,153,574)	(\$3,807,387)	(\$4,712,679)
3	Taxable income	<u>\$5,753,598</u>	<u>\$5,152,524</u>	<u>\$3,662,487</u>
<u>Calculation of Utility income Taxes</u>				
4	Income taxes	\$1,524,704	\$1,365,419	\$970,559
6	Total taxes	<u>\$1,524,704</u>	<u>\$1,365,419</u>	<u>\$970,559</u>
7	Gross-up of Income Taxes	\$549,723	\$492,294	\$349,929
8	Grossed-up Income Taxes	<u>\$2,074,427</u>	<u>\$1,857,713</u>	<u>\$1,320,488</u>
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	<u>\$2,074,427</u>	<u>\$1,857,713</u>	<u>\$1,320,488</u>
10	Other tax Credits	\$ -	\$ -	\$ -
<u>Tax Rates</u>				
11	Federal tax (%)	15.00%	15.00%	15.00%
12	Provincial tax (%)	11.50%	11.50%	11.50%
13	Total tax rate (%)	<u>26.50%</u>	<u>26.50%</u>	<u>26.50%</u>

Notes



Revenue Requirement Workform (RRWF) for 2020 Filers

Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate		Return	
		Initial Application					
		(%)		(\$)		(%)	(\$)
	Debt						
1	Long-term Debt	56.00%		\$138,864,601	4.13%		\$5,735,108
2	Short-term Debt	4.00%		\$9,918,900	2.82%		\$279,713
3	Total Debt	60.00%		\$148,783,501	4.04%		\$6,014,821
	Equity						
4	Common Equity	40.00%		\$99,189,001	8.98%		\$8,907,172
5	Preferred Shares	0.00%		\$ -	0.00%		\$ -
6	Total Equity	40.00%		\$99,189,001	8.98%		\$8,907,172
7	Total	100.00%		\$247,972,502	6.02%		\$14,921,993
		Interrogatory Responses					
		(%)		(\$)		(%)	(\$)
	Debt						
1	Long-term Debt	56.00%		\$139,686,814	4.13%		\$5,769,065
2	Short-term Debt	4.00%		\$9,977,630	2.82%		\$281,369
3	Total Debt	60.00%		\$149,664,443	4.04%		\$6,050,435
	Equity						
4	Common Equity	40.00%		\$99,776,295	8.98%		\$8,959,911
5	Preferred Shares	0.00%		\$ -	0.00%		\$ -
6	Total Equity	40.00%		\$99,776,295	8.98%		\$8,959,911
7	Total	100.00%		\$249,440,739	6.02%		\$15,010,346
		Per Board Decision					
		(%)		(\$)		(%)	(\$)
	Debt						
8	Long-term Debt	56.00%		\$137,620,106	3.82%		\$5,257,088
9	Short-term Debt	4.00%		\$9,830,008	2.75%		\$270,325
10	Total Debt	60.00%		\$147,450,114	3.75%		\$5,527,413
	Equity						
11	Common Equity	40.00%		\$98,300,076	8.52%		\$8,375,166
12	Preferred Shares	0.00%		\$ -	0.00%		\$ -
13	Total Equity	40.00%		\$98,300,076	8.52%		\$8,375,166
14	Total	100.00%		\$245,750,190	5.66%		\$13,902,580

Notes



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2020 Filers

Revenue Deficiency/Sufficiency

Line No.	Particulars	Initial Application		Interrogatory Responses		Per Board Decision	
		At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1	Revenue Deficiency from Below		\$3,301,460		\$3,001,292		(\$609,821)
2	Distribution Revenue	\$50,936,794	\$50,936,795	\$50,407,585	\$50,407,585	\$50,898,610	\$50,898,609
3	Other Operating Revenue	\$4,007,915	\$4,007,915	\$4,007,915	\$4,007,915	\$4,124,915	\$4,124,915
	Offsets - net						
4	Total Revenue	\$54,944,709	\$58,246,170	\$54,415,500	\$57,416,792	\$55,023,524	\$54,413,703
5	Operating Expenses	\$41,249,749	\$41,249,749	\$40,548,733	\$40,548,733	\$39,190,635	\$39,190,635
6	Deemed Interest Expense	\$6,014,821	\$6,014,821	\$6,050,435	\$6,050,435	\$5,527,413	\$5,527,413
8	Total Cost and Expenses	\$47,264,570	\$47,264,570	\$46,599,168	\$46,599,168	\$44,718,048	\$44,718,048
9	Utility Income Before Income Taxes	\$7,680,139	\$10,981,599	\$7,816,332	\$10,817,624	\$10,305,476	\$9,695,654
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$3,153,574)	(\$3,153,574)	(\$3,807,387)	(\$3,807,387)	(\$4,712,679)	(\$4,712,679)
11	Taxable Income	\$4,526,565	\$7,828,025	\$4,008,945	\$7,010,237	\$5,592,797	\$4,982,975
12	Income Tax Rate	26.50%	26.50%	26.50%	26.50%	26.50%	26.50%
13	Income Tax on Taxable Income	\$1,199,540	\$2,074,427	\$1,062,370	\$1,857,713	\$1,482,091	\$1,320,488
14	Income Tax Credits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	Utility Net Income	\$6,480,599	\$8,907,172	\$6,753,962	\$8,959,911	\$8,823,385	\$8,375,166
16	Utility Rate Base	\$247,972,502	\$247,972,502	\$249,440,739	\$249,440,739	\$245,750,190	\$245,750,190
17	Deemed Equity Portion of Rate Base	\$99,189,001	\$99,189,001	\$99,776,295	\$99,776,295	\$98,300,076	\$98,300,076
18	Income/(Equity Portion of Rate Base)	6.53%	8.98%	6.77%	8.98%	8.98%	8.52%
19	Target Return - Equity on Rate Base	8.98%	8.98%	8.98%	8.98%	8.52%	8.52%
20	Deficiency/Sufficiency in Return on Equity	-2.45%	0.00%	-2.21%	0.00%	0.46%	0.00%
21	Indicated Rate of Return	5.04%	6.02%	5.13%	6.02%	5.84%	5.66%
22	Requested Rate of Return on Rate Base	6.02%	6.02%	6.02%	6.02%	5.66%	5.66%
23	Deficiency/Sufficiency in Rate of Return	-0.98%	0.00%	-0.88%	0.00%	0.18%	0.00%
24	Target Return on Equity	\$8,907,172	\$8,907,172	\$8,959,911	\$8,959,911	\$8,375,166	\$8,375,166
25	Revenue Deficiency/(Sufficiency)	\$2,426,573	\$ -	\$2,205,950	\$ -	(\$448,218)	(\$0)
26	Gross Revenue Deficiency/(Sufficiency)	\$3,301,460 ⁽¹⁾		\$3,001,292 ⁽¹⁾		(\$609,821) ⁽¹⁾	

Notes:

⁽¹⁾ Revenue Deficiency/Sufficiency divided by (1 - Tax Rate)



Revenue Requirement Workform (RRWF) for 2020 Filers

Revenue Requirement

Line No.	Particulars	Application	Interrogatory Responses	Per Board Decision
1	OM&A Expenses	\$29,347,816	\$29,347,816	\$28,097,816
2	Amortization/Depreciation	\$11,500,628	\$10,799,612	\$10,691,514
3	Property Taxes	\$331,505	\$331,505	\$331,505
5	Income Taxes (Grossed up)	\$2,074,427	\$1,857,713	\$1,320,488
6	Other Expenses	\$69,800	\$69,800	\$69,800
7	Return			
	Deemed Interest Expense	\$6,014,821	\$6,050,435	\$5,527,413
	Return on Deemed Equity	\$8,907,172	\$8,959,911	\$8,375,166
8	Service Revenue Requirement (before Revenues)	<u>\$58,246,170</u>	<u>\$57,416,792</u>	<u>\$54,413,703</u>
9	Revenue Offsets	\$4,007,915	\$4,007,915	\$4,124,915
10	Base Revenue Requirement (excluding Tranformer Ownership Allowance credit adjustment)	<u>\$54,238,255</u>	<u>\$53,408,877</u>	<u>\$50,288,788</u>
11	Distribution revenue	\$54,238,255	\$53,408,877	\$50,288,788
12	Other revenue	\$4,007,915	\$4,007,915	\$4,124,915
13	Total revenue	<u>\$58,246,170</u>	<u>\$57,416,792</u>	<u>\$54,413,703</u>
14	Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)	<u>\$ -</u> ⁽¹⁾	<u>\$ -</u> ⁽¹⁾	<u>(\$0)</u> ⁽¹⁾

Summary Table of Revenue Requirement and Revenue Deficiency/Sufficiency

	Application	Interrogatory Responses	Δ% ⁽²⁾	Per Board Decision	Δ% ⁽²⁾
Service Revenue Requirement	\$58,246,170	\$57,416,792	(\$0)	\$54,413,703	(\$1)
Grossed-Up Revenue					
Deficiency/(Sufficiency)	\$3,301,460	\$3,001,292	(\$0)	(\$609,821)	(\$1)
Base Revenue Requirement (to be recovered from Distribution Rates)	\$54,238,255	\$53,408,877	(\$0)	\$50,288,788	(\$1)
Revenue Deficiency/(Sufficiency) Associated with Base Revenue Requirement	\$3,301,461	\$3,001,292	(\$0)	(\$609,822)	(\$1)

Notes

⁽¹⁾ Line 11 - Line 8

⁽²⁾ Percentage Change Relative to Initial Application



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2020 Filers

Load Forecast Summary

This spreadsheet provides a summary of the customer and load forecast on which the test year revenue requirement is derived. The amounts serve as the denominators for deriving the rates to recover the test year revenue requirement for purposes of this RRWF.

The information to be input is inclusive of any adjustments to kWh and kW to reflect the impacts of CDM programs up to and including CDM programs planned to be executed in the test year. i.e., the load forecast adjustments determined in **Appendix 2-I** should be incorporated into the entries. The inputs should correspond with the summary of the Load Forecast for the Test Year in **Appendix 2-IB** and in Exhibit 3 of the application.

Appendix 2-IB is still required to be filled out, as it also provides a year-over-year variance analysis of demand growth and trends from historical actuals to the Bridge and Test Year forecasts.

Stage in Process:		Per Board Decision								
Customer Class		Initial Application			Interrogatory Responses			Per Board Decision		
Input the name of each customer class.		Customer / Connections	kWh	kW/kVA ⁽¹⁾	Customer / Connections	kWh	kW/kVA ⁽¹⁾	Customer / Connections	kWh	kW/kVA ⁽¹⁾
		Test Year average or mid-year	Annual	Annual	Test Year average or mid-year	Annual	Annual	Test Year average or mid-year	Annual	Annual
1	Residential	80,293	555,916,913	-	80,159	590,649,150	-	80,159	590,649,150	-
2	GS <50	7,131	195,457,487	-	7,134	200,336,993	-	7,134	200,336,993	-
3	GS 50 - 4999 KW	1,274	910,869,945	2,562,347	1,275	966,368,923	2,465,924	1,275	966,368,923	2,465,924
4	Large Use 3TS	3	277,391,364	528,993	3	288,528,942	541,125	3	288,528,942	541,125
5	Large Use - Regular	6	281,863,540	542,339	5	236,513,334	420,751	5	236,513,334	420,751
6	Street light	24,188	6,419,124	18,431	24,344	6,483,798	18,775	24,344	6,483,798	18,775
7	Sentinel	512	735,308	2,038	507	730,442	2,037	507	730,442	2,037
8	Unmetered	721	2,221,924	-	705	2,200,230	-	705	2,200,230	-
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
Total			2,230,875,605	3,654,148		2,291,811,812	3,448,612		2,291,811,812	3,448,612

Notes:

⁽¹⁾ Input kW or kVA for those customer classes for which billing is based on demand (kW or kVA) versus energy consumption (kWh)



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2020 Filers

Cost Allocation and Rate Design

This spreadsheet replaces **Appendix 2-P** and provides a summary of the results from the Cost Allocation spreadsheet, and is used in the determination of the class revenue requirement and, hence, ultimately, the determination of rates from customers in all classes to recover the revenue requirement.

Stage in Application Process: **Per Board Decision**

A) Allocated Costs

Name of Customer Class ⁽³⁾	Costs Allocated from Previous Study ⁽¹⁾	%	Allocated Class Revenue Requirement ⁽¹⁾	%
From Sheet 10. Load Forecast				
(7A)				
1 Residential	\$ 26,055,510	52.39%	\$ 29,210,656	53.68%
2 GS <50	\$ 6,020,860	12.11%	\$ 5,283,217	9.71%
3 GS 50 - 4999 KW	\$ 10,148,288	20.40%	\$ 12,774,449	23.48%
4 Large Use 3TS	\$ 3,726,413	7.49%	\$ 3,870,041	7.11%
5 Large Use - Regular	\$ 1,264,161	2.54%	\$ 1,694,290	3.11%
6 Street light	\$ 2,273,293	4.57%	\$ 1,383,144	2.54%
7 Sentinel	\$ 153,067	0.31%	\$ 84,372	0.16%
8 Unmetered	\$ 96,370	0.19%	\$ 113,536	0.21%
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
Total	\$ 49,737,962	100.00%	\$ 54,413,706	100.00%
Service Revenue Requirement (from Sheet 9)			\$ 54,413,703.16	

- (1) Class Allocated Revenue Requirement, from Sheet O-1, Revenue to Cost || RR, row 40, from the Cost Allocation Study in this application. This excludes costs in deferral and variance accounts. For Embedded Distributors, Account 4750 - Low Voltage (LV) Costs are also excluded.
- (2) Host Distributors - Provide information on any embedded distributor(s) as a separate class, if applicable. If embedded distributors are billed in a General Service class, include the allocated costs and revenues of the embedded distributor(s) in the applicable class, and also complete Appendix 2-Q.
- (3) Customer Classes - If these differ from those in place in the previous cost allocation study, modify the customer classes to match the proposal in the current application as closely as possible.

B) Calculated Class Revenues

Name of Customer Class	Load Forecast (LF) X current approved rates (7B)	LF X current approved rates X (1+d) (7C)	LF X Proposed Rates (7D)	Miscellaneous Revenues (7E)
1 Residential	\$ 25,557,896	\$ 25,251,685	\$ 25,251,685	\$ 2,350,504
2 GS <50	\$ 5,852,757	\$ 5,782,634	\$ 5,782,634	\$ 355,374
3 GS 50 - 4999 KW	\$ 13,193,555	\$ 13,035,482	\$ 13,035,482	\$ 655,438
4 Large Use 3TS	\$ 3,121,908	\$ 3,084,504	\$ 3,084,504	\$ 538,804
5 Large Use - Regular	\$ 1,229,875	\$ 1,215,140	\$ 1,424,620	\$ 91,323
6 Street light	\$ 1,773,217	\$ 1,751,972	\$ 1,540,173	\$ 119,599
7 Sentinel	\$ 76,598	\$ 75,680	\$ 75,680	\$ 6,300
8 Unmetered	\$ 92,806	\$ 91,694	\$ 94,012	\$ 7,573
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
Total	\$ 50,898,610	\$ 50,288,791	\$ 50,288,791	\$ 4,124,915

- (4) In columns 7B to 7D, LF means Load Forecast of Annual Billing Quantities (i.e., customers or connections, as applicable X 12 months, and kWh, kW or kVA as applicable. Revenue quantities should be net of the Transformer Ownership Allowance for applicable customer classes. Exclude revenues from rate adders and rate riders.
- (5) Columns 7C and 7D - Column Total should equal the Base Revenue Requirement for each.
- (6) Column 7C - The OEB-issued cost allocation model calculates "1+d" on worksheet O-1, cell C22. "d" is defined as Revenue Deficiency/Revenue at Current Rates.
- (7) Column 7E - If using the OEB-issued cost allocation model, enter Miscellaneous Revenues as it appears on worksheet O-1, row 19,

C) **Rebalancing Revenue-to-Cost Ratios**

	Name of Customer Class	Previously Approved Ratios	Status Quo Ratios	Proposed Ratios	Policy Range
		Most Recent Year:	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
		2011			
		%	%	%	%
1	Residential	90.00%	94.49%	94.49%	85 - 115
2	GS <50	105.00%	116.18%	116.18%	80 - 120
3	GS 50 - 4999 KW	80.00%	107.17%	107.17%	80 - 120
4	Large Use 3TS	102.00%	93.62%	93.62%	85 - 115
5	Large Use - Regular	115.00%	77.11%	89.47%	85 - 115
6	Street light	70.00%	135.31%	120.00%	80 - 120
7	Sentinel	70.00%	97.16%	97.16%	80 - 120
8	Unmetered	120.00%	87.43%	89.47%	80 - 120
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

- (8) Previously Approved Revenue-to-Cost (R/C) Ratios - For most applicants, the most recent year would be the third year (at the latest) of the Price Cap IR period. For example, if the applicant, rebased in 2012 with further adjustments to move within the range over two years, the Most Recent Year would be 2015. However, the ratios in 2015 would be equal to those after the adjustment in 2014.
- (9) Status Quo Ratios - The OEB-issued cost allocation model provides the Status Quo Ratios on Worksheet O-1. The Status Quo means "Before Rebalancing".
- (10) Ratios shown in red are outside of the allowed range. Applies to both Tables C and D.

(D) **Proposed Revenue-to-Cost Ratios** ⁽¹¹⁾

Name of Customer Class		Proposed Revenue-to-Cost Ratio			Policy Range
		Test Year	Price Cap IR Period		
		2020	2021	2022	
1	Residential	94.49%	94.49%	94.49%	85 - 115
2	GS <50	116.18%	116.18%	116.18%	80 - 120
3	GS 50 - 4999 KW	107.17%	107.17%	107.17%	80 - 120
4	Large Use 3TS	93.62%	93.62%	93.62%	85 - 115
5	Large Use - Regular	89.47%	89.47%	89.47%	85 - 115
6	Street light	120.00%	120.00%	120.00%	80 - 120
7	Sentinel	97.16%	97.16%	97.16%	80 - 120
8	Unmetered	89.47%	89.47%	89.47%	80 - 120
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

(11) The applicant should complete Table D if it is applying for approval of a revenue-to-cost ratio in 2019 that is outside of the OEB's policy range for any customer class. Table D will show that the distributor is likely to enter into the 2020 and 2021 Price Cap IR models, as necessary. For 2020 and 2021, enter the planned revenue-to-cost ratios that will be "Change" or "No Change" in 2018 (in the current Revenue/Cost Ratio Adjustment Workform, Worksheet C1.1 'Decision - Cost Revenue Adjustment, column d), and enter TBD for class(es) that will be entered as 'Rebalance'.



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2020 Filers

New Rate Design Policy For Residential Customers

Please complete the following tables.

A Data Inputs (from Sheet 10. Load Forecast)

Test Year Billing Determinants for Residential Class	
Customers	80,159
kWh	590,649,150
Proposed Residential Class Specific Revenue Requirement ¹	\$ 25,251,685.37
Residential Base Rates on Current Tariff	
Monthly Fixed Charge (\$)	\$ 26.57
Distribution Volumetric Rate (\$/kWh)	\$ -

B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	26.57	80,159	\$ 25,557,895.56	100.00%
Variable	0	590,649,150	\$ -	0.00%
TOTAL	-	-	\$ 25,557,895.56	-

C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy Transition Years ²	0
--	---

	Test Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 25,251,685.37	26.25	\$ 25,250,085.00
Variable	\$ -	0	\$ -
TOTAL	\$ 25,251,685.37	-	\$ 25,250,085.00

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed				
Variable				
TOTAL	-	\$ -	-	

Checks ³	
Change in Fixed Rate	
Difference Between Revenues @ Proposed Rates and Class Specific Revenue Requirement	

Notes:

- ¹ The final residential class specific revenue requirement, excluding allocated Miscellaneous Revenues, as shown on Sheet 11. Cost Allocation, should be used (i.e. the revenue requirement after any proposed adjustments to R/C ratios).
- ² The distributor should enter the number of years remaining before the transition to fully fixed rates is completed. A distributor transitioning to fully fixed rates over a four year period and began the transition in 2016 would input the number "3" into cell D40. A distributor transitioning over a five-year period would input the number "4". Where the change in the residential rate design will result in the fixed charge increasing by more than \$4/year, a distributor may propose an additional transition year.
- ³ Change in fixed rate due to rate design policy should be less than \$4. The difference between the proposed class revenue requirement and the revenue at calculated base rates should be minimal (i.e. should be reasonably considered as a rounding error)

This sheet replaces Appendix 2-V, and provides a simplified model for calculating the standard monthly and volumetric rates based on the allocated class revenues and fixed/variable split resulting from the cost allocation study and rate design and as proposed by the applicant. However, the RRRF does not replace the rate generator model that an applicant distributor may use in support of its application. The RRRF provides a demonstrative check on the derivation of the revenue requirement and on the proposed base distribution rates to recover the revenue requirement, based on summary information from a more detailed rate generator model and other models that applicants use for cost allocation, load forecasting, taxes/PJLS, etc.

Notes:

¹ Transformer Ownership Allowance is entered as a positive amount, and only for those classes to which it applies.

² The Fixed/Variable split, for each customer class, drives the "rate generator" portion of this sheet of the RRWF. Only the "fixed" fraction is entered, as the sum of the "fixed" and "variable" portions must sum to 100%. For a distributor that may set the Monthly Service Charge, the "fixed" ratio is calculated as: $(\text{MSC} \times (\text{average number of customers or connections}) \times 12 \text{ months}) / (\text{Class Allocated Revenue Requirement})$.



Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2020 Filers

Tracking Form

The first row shown, labelled "Original Application", summarizes key statistics based on the data inputs into the RRWF. After the original application filing, the applicant provides key changes in capital and operating expenses, load forecasts, cost of capital, etc., as revised through the processing of the application. This could be due to revisions or responses to interrogatories. The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.)

Please ensure a Reference (Column B) and/or Item Description (Column C) is entered. Please note that unused rows will automatically be hidden and the PRINT AREA set when the PRINT BUTTON on Sheet 1 is activated.

⁽¹⁾ Short reference to evidence material (interrogatory response, undertaking, exhibit number, Board Decision, Code, Guideline, Report of the Board, etc.)

⁽²⁾ Short description of change, issue, etc.

Summary of Proposed Changes

Reference ⁽¹⁾	Item / Description ⁽²⁾	Cost of Capital		Rate Base and Capital Expenditures			Operating Expenses			Revenue Requirement			
		Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	Grossed up Revenue Deficiency / Sufficiency
	Original Application	\$ 14,921,993	6.02%	\$ 247,972,502	\$ 286,657,936	\$ 21,499,345	\$ 11,500,628	\$ 2,074,427	\$ 29,347,816	\$ 58,246,170	\$ 4,007,915	\$ 54,238,255	\$ 3,301,460
1	Interrogatory Responses												
	Update Appendix 2-BA with 2018 Actuals instead of Forecast	\$ 15,109,676	6.02%	\$ 251,091,394	\$ 286,657,936	\$ 21,499,345	\$ 11,500,628	\$ 2,074,427	\$ 29,347,816	\$ 58,433,852	\$ 4,007,915	\$ 54,425,937	\$ 3,529,535
	Change	\$ 187,682	0.00%	\$ 3,118,892	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 187,682	\$ -	\$ 187,682	\$ 228,074
2	Interrogatory Responses												
	Correct Appendix 2-Z	\$ 15,010,346	6.02%	\$ 249,440,739	\$ 264,649,195	\$ 19,848,690	\$ 11,500,628	\$ 2,074,427	\$ 29,347,816	\$ 58,334,522	\$ 4,007,915	\$ 54,326,607	\$ 3,408,828
	Change	-\$ 99,330	0.00%	-\$ 1,650,655	-\$ 22,008,741	-\$ 1,650,656	\$ -	\$ -	\$ -	-\$ 99,330	\$ -	-\$ 99,330	-\$ 120,707
3	Interrogatory Responses												
	Updated Depreciation - IR OEB Staff 113	\$ 15,010,346	6.02%	\$ 249,440,739	\$ 264,649,195	\$ 19,848,690	\$ 10,799,612	\$ 2,074,427	\$ 29,347,816	\$ 57,633,506	\$ 4,007,915	\$ 53,625,591	\$ 2,707,812
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	-\$ 701,016	\$ -	\$ -	-\$ 701,016	\$ -	-\$ 701,016	-\$ 701,016
4	Interrogatory Responses												
	Update to load forecast	\$ 15,010,346	6.02%	\$ 249,440,739	\$ 264,649,195	\$ 19,848,690	\$ 10,799,612	\$ 2,074,427	\$ 29,347,816	\$ 57,633,506	\$ 4,007,915	\$ 53,625,591	\$ 3,237,021
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 529,209
5	Interrogatory Responses												
	Update RRWF with new proposed distribution rates & PILs	\$ 15,010,346	6.02%	\$ 249,440,739	\$ 264,649,195	\$ 19,848,690	\$ 10,799,612	\$ 1,857,713	\$ 29,347,816	\$ 57,416,792	\$ 4,007,915	\$ 53,408,877	\$ 3,001,292
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	-\$ 216,714	\$ -	-\$ 216,714	\$ -	-\$ 216,714	-\$ 235,728
6	Settlement Proposal												
	Final application balances	\$ 14,788,263	6.02%	\$ 245,750,190	\$ 263,399,195	\$ 19,754,940	\$ 10,691,514	\$ 1,483,520	\$ 28,097,816	\$ 55,462,418	\$ 4,124,915	\$ 51,337,503	\$ 438,894
	Change	-\$ 222,083	0.00%	-\$ 3,690,549	-\$ 1,250,000	-\$ 93,750	-\$ 106,098	-\$ 374,193	-\$ 1,250,000	-\$ 1,954,374	\$ 117,000	-\$ 2,071,374	-\$ 2,562,398
7	Draft Rate Order												
	Draft Rate Order Filing - Cost of Capital Updates	\$ 13,902,580	5.66%	\$ 245,750,190	\$ 263,399,195	\$ 19,754,940	\$ 10,691,514	\$ 1,320,488	\$ 28,097,816	\$ 54,413,703	\$ 4,124,915	\$ 50,288,788	-\$ 609,821
	Change	-\$ 885,683	-0.36%	\$ -	\$ -	\$ -	\$ -	-\$ 163,032	\$ -	-\$ 1,048,715	\$ -	-\$ 1,048,715	-\$ 1,048,715