1 REVENUE REQUIREMENT AND SUFFICIENCY / DEFICIENCY

2

3 Toronto Hydro earns the majority of its revenue through distribution rates and also

4 earns other revenues through the provision of non-distribution related activities. These

5 other revenues offset the revenue requirement Toronto Hydro collects from its

- 6 distribution service customers.
- 7

8 The recovery of Deferral and Variance Accounts ("DVAs") is not included in the revenue

9 requirement. DVAs are recovered through separate rate riders as described in Exhibit 9,

10 Tab 1, Schedule 1. Table 1, below, summarizes Toronto Hydro's 2020 revenue

11 requirement.

12

13

	2020 Test Year
OM&A Expenses (incl. property taxes)	277.5
Amortization/Depreciation	268.7
Income Taxes (Grossed up)	34.7
Deemed Interest Expense	100.8
Return on Deemed Equity	162.8
Service Revenue Requirement	844.5
Revenue Offsets	47.7
Base Revenue Requirement	796.8

 Table 1: 2020 Forecast Revenue Requirement (\$ Millions)

14

Full details on the calculation of revenue requirement, including the Determination of
Net Utility Income, Statement of Rate Base, Actual Utility Return on Rate Base, Indicated
Rate of Return, Requested Rate of Return and the Deficiency in Revenue, are found in
the Revenue Requirement Workforms ("RRWF"), filed as Exhibit 6, Tab 1, Schedule 2-6.

1	While Toronto Hydro files the RRWF for all years, including 2021-2024 during which
2	rates are proposed to be set based on the Custom Price Cap Index and not on a revenue
3	requirement basis, Toronto Hydro submits that the calculations shown in the RRWF,
4	particularly the tabs related to Cost Allocation and Rate Design, are not directly relevant
5	for the OEB to determine final distribution rates.
6	
7	In order to meet the specific requirements of Toronto Hydro, some minor adjustments
8	to the Rates-related tabs of the OEB's RRWF were required. Appendix A fully
9	documents these adjustments.
10	
11	1. SERVICE REVENUE REQUIREMENT
12	Service revenue requirement is comprised of operating expenses, cost of capital and
13	PILs.
14	
15	Operating Expenses, including administrative and general, depreciation and
16	amortization, and property taxes, are explained in further detail in Exhibits 4A and 4B.
17	Exhibit 4A, Tab 1, Schedule 1 contains a summary of distribution expenses.
18	
19	Cost of capital is calculated based on a weighted average of interest expense and return
20	on equity. Toronto Hydro's capital structure for ratemaking purposes is determined in
21	accordance with the OEB's Cost of Capital guidelines. The cost of capital based on the
22	OEB's deemed capital structure is discussed in Exhibit 5, Tab 1.
23	

1 **2. REVENUE OFFSETS**

- Toronto Hydro earns revenue from its distribution tariff as well as other revenues from 2 non-distribution related services, rentals and short term investment income. These 3 other revenues offset the revenue requirement to be collected through the distribution 4 tariff. 5 6 Revenue offsets are detailed in Exhibit 3, Tab 2, Schedule 1. 7 8 3. BASE REVENUE REQUIREMENT 9 Base revenue requirement is derived as service revenue requirement less revenue 10 offsets. The base revenue requirement is allocated to and collected from the various 11 customer classes through distribution rates. 12 13 4. OVERALL REVENUE DEFICIENCY 14 For 2020, revenue deficiency is the difference between the 2020 forecast year revenue 15 requirement and the 2020 forecast year revenues calculated at current rates. 16 17 The 2020 test year revenue is determined using the 2020 forecast of billing units at 18 expected 2019 base distribution rates.¹ The deficiency is net of electricity price 19
- 20 differentials captured in RSVA accounts and any costs associated with LV charges or DVA
- 21 balances.
- 22
- Toronto Hydro's revenue deficiency for the 2020 test year is summarized in Table 2.

¹ Toronto Hydro will file for 2019 Distribution Rates as part of the final year of the EB-2014-0116 OEB approved 2015-2019 rate application in the summer of 2018, based on the OEB issued Inflation value.

1 Table 2: Revenue Deficiency (\$ Millions)

	2020 Forecast
Service Revenue at expected 2019 Rates	819.1
Service Revenue Requirement	844.5
Gross Revenue Deficiency	(25.4)

2

- 3 Full details of the calculation of revenue deficiency are shown in Tab 8 of the RRWF,
- 4 filed in Exhibit 6, Tab 1, Schedule 2.

5

6 5. CAUSES OF REVENUE DEFICIENCY

7 The drivers of Toronto Hydro's revenue deficiency are summarized in Table 3.

2015 OEB Approved	2020 Forecast	Difference	
3,232.0	4,615.3		Higher net fixed assets offset by lower working capital allowance
9.30%	8.82%		Lower forecast ROE rate
4.09%	3.64%		Lower forecast embedded debt rates
	DRIVERS OF	DEFICIENCY	
243.9	277.5	33.6	Higher OM&A expenses
206.0	268.7	62.7	Higher rate base plus de- recognition expense
79.3	100.8	21.5	Higher rate base offset by lower forecast debt rates
120.2	162.8	42.6	Higher rate base offset by lower forecast ROE rate
25.0	34.7	9.8	Higher net income
674.5	844.5	170.0	
633.1	771.4	138.3	Increase in OEB approved rates 2015-19 and customer growth
41.3	47.7	6.4	Higher Other Revenues
674.5	819.1	144.7	
	25.4	25.4	
	Approved 3,232.0 9.30% 4.09% 243.9 206.0 79.3 120.2 674.5 633.1 41.3	Approved	Approved Image: Constraint of the sector of th

1 Table 3: Revenue Deficiency Drivers (\$ Millions)

2

Rate base increases are primarily due to fixed asset additions over the 2015-2020

4 period, as described in Exhibit 2B. Partially offsetting the increase in net fixed assets is

a decrease in Working Capital Allowance based on the updated Lead-Lag Study (Exhibit

6 2A, Tab 3, Schedule 2).

- Debt and ROE rates are expected to be lower in 2020 (Exhibit 5, Tab 1, Schedule 1),
- 2 reducing the cost of capital, and partially offsetting the increase in revenue requirement
- 3 from higher rate base.
- 4
- The revenue deficiency arising from the 2020 OM&A costs is due to the forecast level of
 OM&A, as detailed in Exhibit 4A.
- 7
- 8 Higher depreciation amounts are primarily due to the additional capital included in rate
- 9 base (Exhibit 2A, Tab 1, Schedule 1), as well as the requirements related to de-
- recognition of assets (Exhibit 4B, Tab 1, Schedule 2).
- 11
- 12 The revenue deficiency is partially offset by higher revenue due to OEB approved rate
- increases and customer growth over the 2015-2019 period (Exhibit 3, Tab 1, Schedule
- 14 1), as well as higher forecasted revenue offsets (Exhibit 3, Tab 2, Schedule 1).

APPENDIX A - MODIFICATIONS TO THE OEB's 2018 REVENUE

2 **REQUIREMENT WORK FORM**

3

4 The following information details the changes that have been incorporated into the

- 5 Ontario Energy Board's Revenue Requirement Workform for 2018 Filers V7.02.
- 6

7 1. WORKSHEET 12.1 CSMUR RATE DESIGN

- 8 This additional worksheet is needed to demonstrate the impact of the New Rate Design
- 9 Policy on the Competitive Sector Multi-Unit Customers rate class. The logic of this
- 10 worksheet mirrors the same test for the Residential rate class in worksheet 12.
- 11 Res_Rate_Design.
- 12

13 **2. WORKSHEET 13. RATE DESIGN**

14 In all rate classes, the sum of revenue from the Fixed and Variable components adds to

15 100% of revenue for the class. Toronto Hydro's Unmetered Scattered Load rate class

has an approved three parts rate. Therefore the total class revenue in Cell O35 has

been reallocated for a three part rate (cells Q35, Q36 and S35). These changes are

- 18 captured as follows:
- 19
- Fixed/Variable spilt inputs (cells U35, U36 and W35)
- Monthly Service Charge Calculations (cells AA35 and AA36)
- 21

20

- 22 Toronto Hydro's approved Monthly Service Charge and kVA Volumetric Rates are based
- 23 on 30 days of service. Both the Monthly Service Charge and kVA Volumetric Rates
- calculation in columns AA and AE have been changed to reflect this requirement.

25	In addition, Toronto Hydro's Volumetric Rate is based on either kWh or kVA with the
26	respective 5 and 4 number of decimals. Changes in column AI capture the applicable
27	number of decimals.
28	
29	In the Revenue Reconciliation section, Total Distribution Revenue needs to be

adjustment factor of 365/360, or 1.013888889 (shown in cell AK25).

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 2 ORIGINAL Page 1 of 16

Contario Energy Board Revenue Requirement Workform (RRWF) for 2020 Filers



Version 8.00	
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Utility Name	Toronto Hydro-Electric System Limited
Service Territory	
Assigned EB Number	EB-2018-0165
Name and Title	
Phone Number	
Email Address	
Test Year	
Bridge Year	
Last Rebasing Year	2015

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.

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 2 ORIGINAL Page 2 of 16

Contario Energy Board

Revenue Requirement Workform (RRWF) for 2020 Filers

<u>1. Info</u>	8. Rev_Def_Suff
2. Table of Contents	<u>9. Rev_Reqt</u>
3. Data_Input_Sheet	10. Load Forecast
4. Rate_Base	11. Cost Allocation
5. Utility Income	12. Residential Rate Design
<u>6. Taxes_PILs</u>	13. Rate Design and Revenue Reconciliation
7. Cost_of_Capital	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.

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 2 ORIGINAL Page 3 of 16

Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2020 Filers

Data Input (1)

		Initial Application	(2)		(6)	Per Board Decision	_
1	Rate Base						
	Gross Fixed Assets (average) Accumulated Depreciation (average)	\$5,616,709,673 (\$1,236,603,102)	(5)	******		\$5,616,709,673 (\$1,236,603,102)	
	Allowance for Working Capital: Controllable Expenses Cost of Power	\$277,497,844 \$3,384,043,227		\$ 277,497,4 ####################################		\$277,497,844 \$3,384,043,227	
	Working Capital Rate (%)	6.42%	(9)		(9)	\$0,00 4 ,040,227	(9)
2	Utility Income						
	Operating Revenues:						
	Distribution Revenue at Current Rates Distribution Revenue at Proposed Rates Other Revenue:	\$771,399,203 \$796,824,614					
	Specific Service Charges	\$6,581,270					
	Late Payment Charges	\$3,751,641					
	Other Distribution Revenue	\$35,898,269					
	Other Income and Deductions	\$1,455,901					
	Total Revenue Offsets	\$47,687,081	(7)				
	Operating Expenses: OM+A Expenses	\$271,962,868		\$ 271,962,8	060	\$271,962,868	
	Depreciation/Amortization	\$268,664,188		\$ 268,664,		\$268,664,188	
	Property taxes	\$5,534,976		\$ 5,534,9		\$5,534,976	
	Other expenses						
3	Taxes/PILs						
Č.	Taxable Income:						
	Adjustments required to arrive at taxable income	(\$61,393,745)	(3)				
	Utility Income Taxes and Rates:		(10)				
	Income taxes (not grossed up)	\$25,522,176	(10)				
	Income taxes (grossed up) Federal tax (%)	\$34,724,049 15.00%					
	Provincial tax (%)	11.50%					
	Income Tax Credits	(\$2,736,000)					
4	Capitalization/Cost of Capital						
	Capital Structure:						
	Long-term debt Capitalization Ratio (%)	56.0%					
	Short-term debt Capitalization Ratio (%)	4.0%	(8)		(8)		(8)
	Common Equity Capitalization Ratio (%)	40.0%					
	Prefered Shares Capitalization Ratio (%)						
		100.0%					
	Cost of Capital						
	Long-term debt Cost Rate (%)	3.71%					
	Short-term debt Cost Rate (%)	2.61%					
	Common Equity Cost Rate (%)	8.82%					

Notes:

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). General 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 (%) 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., (2) 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.
- (10) This value is adjusted from PILS model to reflect inclusion of tax credits in OM&A. See Exhibit 4B, Tab 2, Schedule 1

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 2 ORIGINAL Page 4 of 16

Contario Energy Board Revenue Requirement Workform (RRWF) for 2020 Filers

Rate Base and Working Capital

	Rate Base					
Line No.	Particulars	Initial Application				Per Board Decision
1	Gross Fixed Assets (average)	⁽²⁾ \$5,616,709,673	\$ -	\$5,616,709,673	\$ -	\$5,616,709,673
2	Accumulated Depreciation (average)	(\$1,236,603,102)	\$ -	(\$1,236,603,102)	\$ -	(\$1,236,603,102)
3	Net Fixed Assets (average)	⁽²⁾ \$4,380,106,571	\$ -	\$4,380,106,571	\$ -	\$4,380,106,571
4	Allowance for Working Capital	(1) \$235,187,789	<u> </u>	<u> </u>	\$ -	\$ -
5	Total Rate Base	\$4,615,294,360	################	\$4,380,106,571	<u> </u>	\$4,380,106,571

(1) Allowance for Working Capital - Derivation

	Controllable Expenses Cost of Power Working Capital Base		\$277,497,844 \$3,384,043,227 \$3,661,541,071	\$ - \$ - \$ -	\$277,497,844 \$3,384,043,227 \$3,661,541,071	_	\$ - \$ - \$ -	\$3,384,	497,844 043,227 541,071
9	Working Capital Rate %	(1)	6.42%	-6.42%	0.00%		0.00%		0.00%
10	Working Capital Allowance	:	\$235,187,789	#######################################	\$ -	_	\$ -		\$ -

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.

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 2 ORIGINAL Page 5 of 16

Contario Energy Board Revenue Requirement Workform (RRWF) for 2020 Filers

Utility Income

Line No.	Particulars	Initial Application				Per Board Decision
1	Operating Revenues: Distribution Revenue (at Proposed Rates)	\$796,824,614	(\$796,824,614)	\$ -	\$ -	\$ -
2	Other Revenue (1	\$47,687,081	(\$47,687,081)	\$ -	\$ -	\$ -
3	Total Operating Revenues	\$844,511,695	(\$844,511,695)	<u> </u>	\$	\$
4 5 6 7 8	Operating Expenses: OM+A Expenses Depreciation/Amortization Property taxes Capital taxes Other expense	\$271,962,868 \$268,664,188 \$5,534,976 \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$271,962,868 \$268,664,188 \$5,534,976 \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$271,962,868 \$268,664,188 \$5,534,976 \$ -
9	Subtotal (lines 4 to 8)	\$546,162,032	\$ -	\$546,162,032	\$ -	\$546,162,032
10	Deemed Interest Expense	\$100,798,029	(\$100,798,029)	<u> </u>	\$	\$
11	Total Expenses (lines 9 to 10)	\$646,960,061	(\$100,798,029)	\$546,162,032	\$	\$546,162,032
12	Utility income before income taxes	\$197,551,634	(\$743,713,666)	(\$546,162,032)	<u> </u>	(\$546,162,032)
13	Income taxes (grossed-up)	\$34,724,049	\$ -	\$34,724,049	\$ -	\$34,724,049
14	Utility net income	\$162,827,585	(\$743,713,666)	(\$580,886,081)	<u> </u>	(\$580,886,081)
Notes	Other Revenues / Revenu	ue Offsets				
(1)	Specific Service Charges Late Payment Charges Other Distribution Revenue Other Income and Deductions	\$6,581,270 \$3,751,641 \$35,898,269 \$1,455,901		\$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ -
	Total Revenue Offsets	\$47,687,081	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 2 ORIGINAL Page 6 of 16

Contario Energy Board Revenue Requirement Workform (RRWF) for 2020 Filers

Taxes/PILs

Line No.	Particulars	Application		Per Board Decision
	Determination of Taxable Income			
1	Utility net income before taxes	\$162,827,585	\$ -	\$ -
2	Adjustments required to arrive at taxable utility income	(\$61,393,745)	\$ -	\$ -
3	Taxable income	\$101,433,840	<u> </u>	<u> </u>
	Calculation of Utility income Taxes			
4	Income taxes	\$25,522,176	\$25,522,176	\$25,522,176
6	Total taxes	\$25,522,176	\$25,522,176	\$25,522,176
7	Gross-up of Income Taxes	\$9,201,873	\$9,201,873	\$9,201,873
8	Grossed-up Income Taxes	\$34,724,049	\$34,724,049	\$34,724,049
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$34,724,049	\$34,724,049	\$34,724,049
10	Other tax Credits	(\$2,736,000)	(\$2,736,000)	(\$2,736,000)
	Tax Rates			
11 12 13	Federal tax (%) Provincial tax (%) Total tax rate (%)	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%

Notes

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 2 ORIGINAL Page 7 of 16

Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2020 Filers

Capitalization/Cost of Capital

Line No.	Particulars	Capitali	zation Ratio	Cost Rate	Return
		Initial A	Application		
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$2,584,564,841	3.71%	\$95,979,661
2	Short-term Debt	4.00%	\$184,611,774	2.61%	\$4,818,367
3	Total Debt	60.00%	\$2,769,176,616	3.64%	\$100,798,029
	Equity				
4	Common Equity	40.00%	\$1,846,117,744	8.82%	\$162,827,585
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$1,846,117,744	8.82%	\$162,827,585
7	Total	100.00%	\$4,615,294,360	5.71%	\$263,625,614
	D. L.	(%)	(\$)	(%)	(\$)
1	Debt Long-term Debt	0.000/	\$ -	0.00%	\$ -
2	Short-term Debt	0.00% 0.00%	ֆ- \$-	0.00%	5 - \$ -
3	Total Debt	0.00%	\$	0.00%	\$-
			<u>·</u>		<u>·</u>
	Equity	0.00%	۴	0.00%	¢
4 5	Common Equity	0.00%	\$ - \$ -	0.00%	\$ - ¢
5 6	Preferred Shares Total Equity	0.00%		0.00%	<u> </u>
U		0.0078	φ-	0.0078	
7	Total	0.00%	\$4,380,106,571	0.00%	<u> </u>
		Per Boa	rd Decision		
		(01)		(04)	
	Date	(%)	(\$)	(%)	(\$)
8	Debt Long-term Debt	0.000/	\$ -	3.71%	\$ -
° 9	Short-term Debt	0.00% 0.00%	ֆ- \$-	2.61%	ֆ- \$-
10	Total Debt	0.00%		0.00%	
10		0.0078	ψ-	0.0078	φ-
	Equity				
11	Common Equity	0.00%	\$ -	8.82%	\$ -
12	Preferred Shares	0.00%	<u> </u>	0.00%	<u> </u>
13	Total Equity	0.00%	\$ -	0.00%	\$ -
14	Total	0.00%	\$4,380,106,571	0.00%	\$ -

Notes

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 2 ORIGINAL Page 8 of 16

Contario Energy Board Revenue Requirement Workform (RRWF) for 2020 Filers

Revenue Deficiency/Sufficiency

		Initial Appl	ication			Per Board D	Decision
Line No.	Particulars	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1 2 3	Revenue Deficiency from Below Distribution Revenue Other Operating Revenue Offsets - net	\$771,399,203 \$47,687,081	\$23,550,297 \$773,274,317 \$47,687,081	\$771,399,203 \$ -	<mark>(\$251,094,780)</mark> \$1,047,919,394 \$ -	\$ - \$ -	\$743,077,595 (\$743,077,595) \$ -
4	Total Revenue	\$819,086,284	\$844,511,695	\$771,399,203	\$796,824,614	\$ -	\$ -
5 6 8	Operating Expenses Deemed Interest Expense Total Cost and Expenses	\$546,162,032 \$100,798,029 \$646,960,061	\$546,162,032 \$100,798,029 \$646,960,061	\$546,162,032 <u>\$ -</u> \$546,162,032	\$546,162,032 \$ - \$546,162,032	\$546,162,032 <u>\$ -</u> <u>\$546,162,032</u>	\$546,162,032 \$ - \$546,162,032
9	Utility Income Before Income Taxes	\$172,126,224	\$197,551,634	\$225,237,171	\$250,662,582	(\$546,162,032)	(\$546,162,032)
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$61,393,745)	(\$61,393,745)	(\$61,393,745)	(\$61,393,745)	\$ -	\$ -
11	Taxable Income	\$110,732,479	\$136,157,889	\$163,843,426	\$189,268,837	(\$546,162,032)	(\$546,162,032)
12 13	Income Tax Rate	26.50% \$29,344,107	26.50% \$36,081,841	26.50% \$43,418,508	26.50% \$50,156,242	26.50% \$ -	26.50% \$ -
14	Income Tax Credits	(\$2,736,000)	(\$2,736,000)	(\$2,736,000)	(\$2,736,000)	\$ -	\$ -
15	Utility Net Income	\$145,518,117	\$162,827,585	\$184,554,663	(\$580,886,081)	(\$546,162,032)	(\$580,886,081)
16	Utility Rate Base	\$4,615,294,360	\$4,615,294,360	\$4,380,106,571	\$4,380,106,571	\$4,380,106,571	\$4,380,106,571
17	Deemed Equity Portion of Rate Base	\$1,846,117,744	\$1,846,117,744	\$ -	\$ -	\$ -	\$ -
18	Income/(Equity Portion of Rate Base)	7.88%	8.82%	0.00%	0.00%	0.00%	0.00%
19	Target Return - Equity on Rate Base	8.82%	8.82%	0.00%	0.00%	0.00%	0.00%
20	Deficiency/Sufficiency in Return on Equity	-0.94%	0.00%	0.00%	0.00%	0.00%	0.00%
21 22	Indicated Rate of Return Requested Rate of Return on Rate Base	5.34% 5.71%	5.71% 5.71%	4.21% 0.00%	0.00% 0.00%	-12.47% 0.00%	0.00% 0.00%
23	Deficiency/Sufficiency in Rate of Return	-0.38%	0.00%	4.21%	0.00%	-12.47%	0.00%
24 25 26	Target Return on Equity Revenue Deficiency/(Sufficiency) Gross Revenue Deficiency/(Sufficiency)	\$162,827,585 \$17,309,468 \$23,550,297 ⁽¹⁾	\$162,827,585 \$0	\$ - (\$184,554,663) (\$251,094,780) ⁽¹⁾	\$ - \$ -	\$ - \$546,162,032 \$743,077,595 ⁽¹⁾	\$ - \$ -

Notes:

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

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 2 ORIGINAL Page 9 of 16

Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2020 Filers

Revenue Requirement

Line No.	Particulars	Application		Per Board Decision
1	OM&A Expenses	\$271,962,868	\$271,962,868	\$271,962,868
2	Amortization/Depreciation	\$268,664,188	\$268,664,188	\$268,664,188
3	Property Taxes	\$5,534,976	\$5,534,976	\$5,534,976
5	Income Taxes (Grossed up)	\$34,724,049	\$34,724,049	\$34,724,049
6	Other Expenses	\$ -		
7	Return			
	Deemed Interest Expense	\$100,798,029	\$ -	\$ -
	Return on Deemed Equity	\$162,827,585	\$ -	\$ -
8	Service Revenue Requirement			
Ū	(before Revenues)	\$844,511,695	\$580,886,081	\$580,886,081
9	Revenue Offsets	\$47,687,081	\$ -	\$ -
10	Base Revenue Requirement	\$796,824,614	\$580,886,081	\$580,886,081
	(excluding Tranformer Owership Allowance credit adjustment)			
11	Distribution revenue	\$796,824,614	\$ -	\$ -
12	Other revenue	\$47,687,081	\$ -	\$ -
13	Total revenue	\$844,511,695	\$	\$ -
14	Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)	\$0	(1) (\$580,886,081)	⁽¹⁾ (\$580.886.081) ⁽¹⁾

Summary Table of Revenue Requirement and Revenue Deficiency/Sufficiency

	Application		Δ% ⁽²⁾	Per Board Decision	Δ% (2
Service Revenue Requirement Grossed-Up Revenue	\$844,511,695	\$580,886,081	(\$0)	\$580,886,081	(\$1
Deficiency/(Sufficiency)	\$23,550,297	(\$251,094,780)	(\$12)	\$743,077,595	(\$1)
Base Revenue Requirement (to be					
recovered from Distribution Rates) Revenue Deficiency/(Sufficiency)	\$796,824,614	\$580,886,081	(\$0)	\$580,886,081	(\$1)
Associated with Base Revenue					

Notes

Line 11 - Line 8

(2) Percentage Change Relative to Initial Application

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Contario 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 andf trends from historical actuals to the Bridge and Test Year forecasts.

	Stage in Process:		Initial Application							
	Customer Class		Initial Application					Per	r Board Decision	
	Input the name of each customer class.	Customer / Connections Test Year average or mid-year	kWh Annual	kW/kVA ⁽¹⁾ Annual	Customer / Connections Test Year average or mid-year	kWh Annual	kW/kVA ⁽¹⁾ Annual	Customer / Connections Test Year average or mid-	kWh Annual	kW/kVA ⁽¹⁾ Annual
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Residential Competitive Sector Multi-Unit Residential GS <50 GS - 50 to 999 GS - 1000 to 4999 Large Use >5MW Street Light Unmetered Scattered Load Unmetered Scattered Load (Connections)	615.965 85,161 71,499 10,374 430 44 165,348 857 12,196	4.510.636.914 277,127,203 2,267,638,936 9,587,728,582 4,561,528,177 2,009,923,443 115,390,403 41,313,479	24,899,249 10,392,864 4,789,334 326,622						
	Total		#######################################	40,408,069		-	-		-	-

Notes:

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

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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.

Initial Application Stage in Application Process:

A) Allocated Costs

Name of Customer Class (3)	Costs Allocated fro Previous Study (1)	n %		Ilocated Class enue Requirement	%
From Sheet 10. Load Forecast				(1) (7A)	
Residential			•		20 40/
	\$ 287,079,87		\$	324,653,418	38.4%
Competitive Sector Multi-Unit Residentia GS <50			\$ \$	36,290,421	4.3%
	\$ 99,019,24			131,607,020	15.6%
GS - 50 to 999	\$ 157,700,12		\$	210,166,261	24.9%
GS - 1000 to 4999	\$ 55,701,96		\$	74,249,773	8.8%
Large Use >5MW	\$ 31,087,38		\$	40,433,897	4.8%
Street Light Unmetered Scattered Load	\$ 25,331,82 \$ 4,173,83		\$ \$	22,560,059 4,550,846	2.7% 0.5%
Unmetered Scattered Load (Connection			Ŷ	1,000,010	0.070
Total	\$ 679,361,56	1 100.00%	\$	844,511,695	100.0%
Total	φ 0/9,301,30	1 100.00%	Ŷ	044,011,090	100.0%
		Service Revenue Requirement (from Sheet 9)	\$	844,511,695	

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. 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. 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 (1)

(2)

(3) possible.

B) Calculated Class Revenues

Name of Customer Class		Forecast (LF) X ent approved rates		LF X current proved rates X (1+d)	LF X	Proposed Rates	M	liscellaneous Revenues
		(7B)		(7C)		(7D)		(7E)
Residential Competitive Sector Multi-Unit Residentia GS -50 GS -50 to 999 GS - 1000 to 4999 Large Use >5MW Street Light Unmetered Scattered Load Unmetered Scattered Load (Connections	• \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	305,630,924 34,001,178 106,186,653 210,952,231 72,282,491 35,514,268 15,072,589 3,887,458	\$\$\$\$\$\$	315,784,637 35,130,770 109,714,401 213,888,036 69,063,008 33,653,821 15,573,332 4,016,607	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	315,784,637 34,611,162 110,012,229 213,888,036 69,145,224 33,788,485 15,573,332 4,021,508	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	19,230,275 1,679,259 8,162,022 7,333,311 1,396,409 571,724 9,005,777 308,303
Total	\$	783,527,792	\$	796,824,614	\$	796,824,614	\$	47,687,081

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.

Columns 7C and 7D - Column Total should equal the Base Revenue Requirement for each.

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. (6)

(7) Column 7E - If using the OEB-issued cost allocation model, enter Miscellaneous Revenues as it appears on worksheet O-1, row 19,

11. Cost Allocation

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Cost Allocation and Rate Design

C) Rebalancing Revenue-to-Cost Ratios

Name of Customer Class	Previously Approved Ratios	Status Quo Ratios	Proposed Ratios	Policy Range	
	Most Recent Year: 2015	(7C + 7E) / (7A)	(7D + 7E) / (7A)		
	2015	%	%	%	
	76	76	70	70	
1 Residential	94.3%	103.2%	103.2%	85 - 115	
2 Competitive Sector Multi-Unit Residentia	100.0%	101.4%	100.0%		
3 GS <50	91.5%	89.6%	89.8%	80 - 120	
4 GS - 50 to 999	119.0%	105.3%	105.3%	80 - 120	
5 GS - 1000 to 4999	101.9%	94.9%	95.0%	80 - 120	
6 Large Use >5MW	95.3%	84.6%	85.0%	85 - 115	
7 Street Light	82.7%	108.9%	108.9%	80 - 120	
8 Unmetered Scattered Load	90.5%	95.0%	95.1%	80 - 120	
9 Unmetered Scattered Load (Connection	s)				
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
20					

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 (8) (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	Propos	tio	Policy Range		
	Test Year	Price Cap IF	R Period		
	2020	2021	2022		
Residential	103.2%			85 - 115	
Competitive Sector Multi-Unit Residentia	100.0%				
GS <50	89.8%			80 - 120	
GS - 50 to 999	105.3%			80 - 120	
GS - 1000 to 4999	95.0%			80 - 120	
Large Use >5MW	85.0%			85 - 115	
Street Light	108.9%			80 - 120	
Unmetered Scattered Load	95.1%			80 - 120	
Unmetered Scattered Load (Connection					
)					
9					

(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'.

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Contario 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 R	esident	ial Class
Customers		615,965
kWh		4,510,636,914
Proposed Residential Class Specific Revenue Requirement ¹	\$	315,784,637.29
Residential Base Rates on Cur	rent Ta	riff
Monthly Fixed Charge (\$)	\$	37.98
Distribution Volumetric Rate (\$/kWh)	\$	0.00552

B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	37.98	615,965	\$ 280,732,208.40	91.85%
Variable	0.00552	4,510,636,914	\$ 24,898,715.77	8.15%
TOTAL	-	-	\$ 305,630,924.17	-

C Calculating Test Year Base Rates

Number of Remaining Rote Design Boliov	
Number of Remaining Rate Design Policy	
Transition Years ²	1

	Т	est Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split				
Fixed	\$	290,058,732.92	39.24	\$	290,045,599.20			
Variable	\$	25,725,904.37	0.0057	\$	25,710,630.41			
TOTAL	\$	315,784,637.29	-	\$	315,756,229.61			

	New F/V Split	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed	100.00%	\$ 315,784,637.29	\$ 42.72	\$ 315,768,297.60
Variable	0.00%	\$ -	\$-	\$-
TOTAL	-	\$ 315,784,637.29	-	\$ 315,768,297.60

Checks ³										
Change in Fixed Rate	\$	3.48								
Difference Between Revenues @ Proposed Rates		(\$16,339.69)								
and Class Specific Revenue Requirement		-0.01%								

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)

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 2 ORIGINAL Page 14 of 16

Contario Energy Board

Revenue Requirement Workform (RRWF) for 2020 Filers

New Rate Design Policy For Competitive Sector Multi-Unit Customers (CSMUR)

Please complete the following tables.

A Data Inputs (from Sheet 10. Load Forecast)

Test Year Billing Determinants for CSMUR											
Customers	85,161										
kWh		277,127,203									
Proposed CSMUR Class Specific Revenue Requirement ¹	\$	34,812,874.82									
CSMUR Base Rates on Current Tariff											
Monthly Fixed Charge (\$)	\$	30.98									

\$

B Current Fixed/Variable Split

Distribution Volumetric Rate (\$/kWh)

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	30.98	85,161	\$ 31,659,453.36	93.11%
Variable	0.00845	277,127,203	\$ 2,341,724.87	6.89%
TOTAL	-	-	\$ 34,001,178.23	-

0.00845

C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy	
Transition Years ²	1

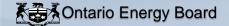
	Т	est Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split			
Fixed	\$	32,415,246.89	31.72	\$	32,415,683.04		
Variable	\$	2,397,627.93	0.0087	\$	2,411,006.67		
TOTAL	\$	34,812,874.82	-	\$	34,826,689.71		

	New F/V Split	I	Revenue @ new F/V Split	Final Adjusted Base Rates	Revenue Reconciliation @ Adjusted Rates
Fixed	100.00%	\$	34,812,874.82	\$ 34.07	\$ 34,817,223.24
Variable	0.00%	\$	-	\$ -	\$ -
TOTAL	-	\$	34,812,874.82	-	\$ 34,817,223.24

Checks ³	
Change in Fixed Rate	\$ 2.35
Difference Between Revenues @ Proposed Rates	\$4,348.42
and Class Specific Revenue Requirement	0.01%

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)



Revenue Requirement Workform (RRWF) for 2020 Filers

Rate Design and Revenue Reconciliation

This sheet replaces Appendix 2-V, and provides a simplified model for calculating the standard monthly and value triate design and as proposed by the applicant. However, the RRWF does not replace the rate generator model that an applicant distributor may use in support of its application. The RRWF 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 ther models that applicants use for cost allocation, load forecasting, taxes/PILs, etc.

	Stage in Process:			Initial Application		Cla	iss Allocated Rever	nues					Dist	tribution Rates			F	Revenue Reconcilia	lion	
		Customer and Lo	oad Forecast			From Sheet 11. Cost Allocation and Sheet 12. Residential Rate Design				able Splits ² be entered as a ween 0 and 1										
	Customer Class	Volumetric Charge	Customers / Connections	kWh	kW or kVA	Total Class Revenue	Monthly Service Charge	Volumetric	Fixed	Variable	Ownership	Monthly Servi	-	Volu	umetric Ra		1.013888889		Re	Distribution evenues less transformer
	From sheet 10. Load Forecast	Determinant	Connections			Requirement	Service Charge				Allowance ¹ (\$)	Rate	No. of decimals	Rate		No. of decimals	MSC Revenues	Volumetric revenues		rship Allowance
1 2 3 4 5 6 7 8 9 # # # # # # # # #	Residential Competitive Sector Multi-Unit Residential GS <50 GS - 50 to 999 GS - 1000 to 4999 Large Use >5MW Street Light Unmetered Scattered Load Unmetered Scattered Load (Connections	kWh kVA kVA kVA kVA kVA	615,965 85,161 71,499 10,374 430 44 165,348 857 12,196 - - - - - - - - - - - - -	4,510,636,914 277,127,203 2,267,638,936 9,587,728,582 4,561,528,177 2,009,923,443 115,390,403 41,313,479 - - - - - - - - - - - - - - - - - -	- 24,899,249 10,392,864 4,789,334 326,622 - - - - - - - - - - - - - - - - - -	\$ 315,784,637 \$ 34,611,162 \$ 110,012,229 \$ 213,888,036 \$ 69,145,224 \$ 33,788,485 \$ 15,573,332 \$ 4,021,508	\$ 315,784,637 \$ 34,611,162 \$ 32,249,243 \$ 6,584,923 \$ 4,919,308 \$ 2,209,874 \$ 3,341,654 \$ 76,917 \$ 113,549	\$ - \$ 77,762,986 \$ 207,303,113 \$ 64,225,916 \$ 31,578,611 \$ 12,231,678 \$ 3,831,042 \$ -	100.00% 100.00% 29.31% 3.08% 7.11% 6.54% 21.46% 1.91% 2.82%	0.00% 0.00% 70.69% 96.92% 93.46% 78.54% 95.26%	\$ - \$ - \$ 3,941,533 \$ 5,440,129 \$ 2,942,549 \$ - \$ - \$ - \$ -	\$42.14 \$33.40 \$37.07 \$52.17 \$940.29 \$4,128.03 \$1.66 \$7.38 \$0.77	2	\$0.00000 \$0.00409 \$8.3678 \$6.6114 \$7.1092 \$36.9360 \$0.09273 \$0.00000	/kWh /kWh /kVA /kVA /kVA /kVA /kWh	5 5 4 4 4 5	315,807,309 34,606,592 32,247,360 6,584,741 4,919,284 2,209,872 3,339,478 76,950 114,256 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	77,757,339 211,245,713 69,665,706 34,521,227 12,231,667 3,830,999 - \$- \$- \$- \$- \$- \$- \$- \$- \$- \$- \$- \$- \$	\$ \$	315,807,308.72 34,606,591.70 110,004,698.93 213,888,920.78 69,144,860.61 33,788,549.74 15,571,145.72 3,907,948.94 114,256.19 - - - - - - - - - - - - - - - - - - -
								Т	otal Transformer Owr	ership Allowance	\$ 12,324,211						Total Distribution Reve	nues	\$	796,834,281.33
Not	es:													Rates recover	revenue rec	luirement	Base Revenue Require	nent	\$	796,824,613.75
1	Transformer Ownership Allowance is ente	ered as a positive	amount, and only fo	or those classes to v	which it applies.												Difference % Difference		\$	9,667.58 0.001%

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 "rate generator" portions must sum to 100%. For a distributor that may set the Monthly Service Charge, the "fixed" ratio is calcutated as: [MSC x (average number of customers or connections) x 12 months] / (Class Allocated Revenue Requirement).

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Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 2 ORIGINAL Page 16 of 16

Contario Energy Board Revenue Requirement Workform (RRWF) for 2019 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

[Cost of	Capital	Rate Bas	e and Capital Exp	enditures	Op	erating Expense	95	Revenue Requirement			
	Reference ⁽¹⁾	Item / Description ⁽²⁾		Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)		Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues		
		Original Application	\$ 263,625,614	5.71%	\$4,615,294,360	\$3,661,541,071	\$ 235,187,789	\$ 268,664,188	\$ 34,724,049	\$ 271,962,868	\$ 844,511,695	\$ 47,687,081	\$ 796,824,614	\$ 23,550,297
1														
		Change												
2														

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 3 ORIGINAL Page 1 of 15

Revenue Requirement Workform (RRWF) for 2021



Version 8.00

	Eilara	
Utility Name	Toronto Hydreecter System Limited	
Service Territory		
Assigned EB Number	EB-2018-0165	
Name and Title		
Phone Number		
Email Address		
Test Year		
Bridge Year		
Last Rebasing Year	2015	

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.

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2021Filers

1	In	fo	

2. Table of Contents

3. Data_Input_Sheet

4. Rate_Base

5. Utility Income

6. Taxes_PILs

7. Cost_of_Capital

8.	Rev_	Def	_Suff

9. Rev_Reqt

10. Load Forecast

11. Cost Allocation

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.

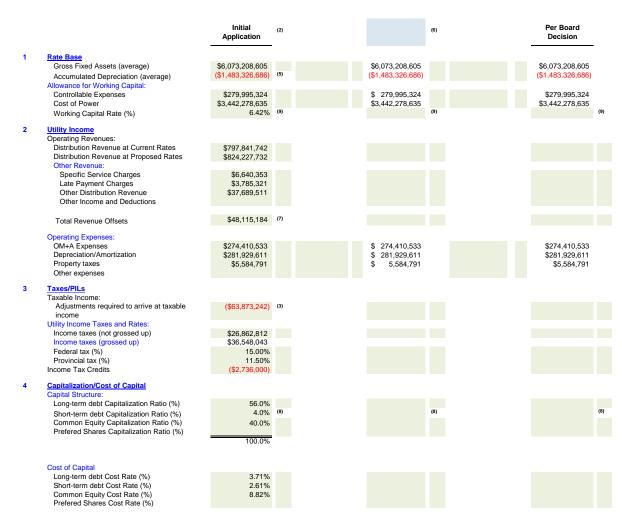
(5) Completed versions of the Revenue Requirement Work Form are required to be filed in working Microsoft Excel format.

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 3 ORIGINAL Page 3 of 15

Contario Energy Board

Revenue Requirement Workform (RRWF) for 2021 Filers

Data Input (1)



Notes:

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). General 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 (%)

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., (2) 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 requiremen (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.

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Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2021 Filers

Rate Base and Working Capital

Line No.	Rate Base Particulars	Initial Application				Per Board Decision
1 2 3	Gross Fixed Assets (average) (2) Accumulated Depreciation (average) (2) Net Fixed Assets (average) (2)	\$6,073,208,605 ############### \$4,589,881,919	\$ - <u>\$ -</u> \$ -	\$6,073,208,605 (\$1,483,326,686) \$4,589,881,919	\$ - \$ - \$ -	\$6,073,208,605 (\$1,483,326,686) \$4,589,881,919
4 5	Allowance for Working Capital (1) Total Rate Base	\$239,088,778 \$4,828,970,698	######################################	\$	<u> </u>	<u> -</u> <u>\$4,589,881,919</u>

(1) Allowance for Working Capital - Derivation

	Controllable Expenses Cost of Power Working Capital Base		\$279,995,324 \$3,442,278,635 \$3,722,273,959	\$ - \$ - \$ -	\$3	\$279,995,324 3,442,278,635 3,722,273,959	 \$ - \$ - \$ -	\$279,995,324 \$3,442,278,635 \$3,722,273,959
9	Working Capital Rate %	(1)	6.42%	-6.42%		0.00%	0.00%	0.00%
10	Working Capital Allowance		\$239,088,778	#######################################		\$ -	 \$ -	\$ -

Notes

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.

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Contario Energy Board Revenue Requirement Workform (RRWF) for 2021 Filers

Utility Income

Line No.	Particulars	Initial Application				Per Board Decision
1	Operating Revenues: Distribution Revenue (at Proposed Rates)	\$824,227,732	(\$824,227,732)	\$ -	\$ -	\$ -
2	Other Revenue	(1) \$48,115,184	(\$48,115,184)	\$ -	\$ -	\$ -
3	Total Operating Revenues	\$872,342,916	(\$872,342,916)	<u> </u>	<u> </u>	\$
4 5 6 7 8	Operating Expenses: OM+A Expenses Depreciation/Amortization Property taxes Capital taxes Other expense	\$274,410,533 \$281,929,611 \$5,584,791 \$ - \$ -	\$ - \$ - \$ - \$ - \$ -	\$274,410,533 \$281,929,611 \$5,584,791 \$-	\$ - \$ - \$ - \$ - \$ - \$ -	\$274,410,533 \$281,929,611 \$5,584,791 \$ -
9	Subtotal (lines 4 to 8)	\$561,924,935	\$ -	\$561,924,935	\$ -	\$561,924,935
10	Deemed Interest Expense	\$105,464,720	(\$105,464,720)	\$	\$	\$
11	Total Expenses (lines 9 to 10)	\$667,389,654	(\$105,464,720)	\$561,924,935	\$ -	\$561,924,935
12	Utility income before income taxes	\$204,953,261	(\$766,878,196)	(\$561,924,935)	<u> </u>	(\$561,924,935)
13	Income taxes (grossed-up)	\$36,548,043	\$ -	\$36,548,043	\$ -	\$36,548,043
14	Utility net income	\$168,405,218	(\$766,878,196)	(\$598,472,978)	<u> </u>	(\$598,472,978)
Notes	Other Revenues / Reve	nue Offsets				
(1)	Specific Service Charges Late Payment Charges Other Distribution Revenue Other Income and Deductions	\$6,640,353 \$3,785,321 \$37,689,511 \$-		\$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ -
	Total Revenue Offsets	\$48,115,184	<u> </u>	<u> </u>	<u> </u>	<u> </u>

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Contario Energy Board Revenue Requirement Workform (RRWF) for 2021 Filers

Taxes/PILs

Line No.	Particulars	Application		Per Board Decision
	Determination of Taxable Income			
1	Utility net income before taxes	\$170,366,086	\$ -	\$ -
2	Adjustments required to arrive at taxable utility income	(\$63,873,242)	\$ -	\$ -
3	Taxable income	\$106,492,844	<u> </u>	<u> </u>
	Calculation of Utility income Taxes			
4	Income taxes	\$26,862,812	\$26,862,812	\$26,862,812
6	Total taxes	\$26,862,812	\$26,862,812	\$26,862,812
7	Gross-up of Income Taxes	\$9,685,231	\$9,685,231	\$9,685,231
8	Grossed-up Income Taxes	\$36,548,043	\$36,548,043	\$36,548,043
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$36,548,043	\$36,548,043	\$36,548,043
10	Other tax Credits	(\$2,736,000)	(\$2,736,000)	(\$2,736,000)
	Tax Rates			
11 12 13	Federal tax (%) Provincial tax (%) Total tax rate (%)	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%

Notes

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Contario Energy Board Revenue Requirement Workform (RRWF) for 2021 Filers

Capitalization/Cost of Capital

_

Line Particulars		Capitaliz	zation Ratio	Cost Rate	Return
		Initial A	Application		
		(%)	(\$)	(%)	(\$)
	Debt	(,,,)	(+)	(,-)	(+)
1	Long-term Debt	56.00%	\$2,704,223,591	3.71%	\$100,423,274
2	Short-term Debt	4.00%	\$193,158,828	2.61%	\$5,041,445
3	Total Debt	60.00%	\$2,897,382,419	3.64%	\$105,464,720
	Equity				
4	Common Equity	40.00%	\$1,931,588,279	8.82%	\$170,366,086
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$1,931,588,279	8.82%	\$170,366,086
7	Total	100.00%	\$4,828,970,698	5.71%	\$275,830,806
		(%)	(\$)	(%)	(\$)
	Debt				_
1	Long-term Debt	0.00%	\$ -	0.00%	\$ -
2 3	Short-term Debt Total Debt	0.00%	<u> </u>	0.00%	<u> </u>
5	Total Debt	0.0078	φ-	0.0078	ψ-
	Equity				
4	Common Equity	0.00%	\$ -	0.00%	\$ -
5 6	Preferred Shares	0.00%	<u> </u>	0.00%	<u> </u>
0	Total Equity	0.00%	φ-	0.00%	- φ -
7	Total	0.00%	\$4,589,881,919	0.00%	\$ -
		Per Boa	rd Decision		
		(%)	(\$)	(%)	(\$)
8	Debt Long-term Debt	0.00%	\$ -	3.71%	\$ -
° 9	Short-term Debt	0.00%	\$- \$-	2.61%	\$- \$-
10	Total Debt	0.00%	\$-	0.00%	<u> </u>
	E . 14				
11	Equity Common Equity	0.00%	\$ -	8.82%	\$ -
12	Preferred Shares	0.00%	5 - \$ -	0.00%	\$- \$-
12	Total Equity	0.00%		0.00%	\$\$
-			Ť		<u> </u>
14	Total	0.00%	\$4,589,881,919	0.00%	\$ -

Notes

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Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2021 Filers

Revenue Deficiency/Sufficiency

		Initial Appl	ication			Per Board I	Decision
Line No.	Particulars	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1 2 3	Revenue Deficiency from Below Distribution Revenue Other Operating Revenue Offsets - net	\$797,841,742 \$48,115,184	\$26,471,745 \$797,755,986 \$48,115,184	\$797,841,742 \$ -	(\$262,668,384) \$1,086,896,116 \$ -	\$ - \$ -	\$764,523,721 (\$764,523,721) \$ -
4	Total Revenue	\$845,956,926	\$872,342,916	\$797,841,742	\$824,227,732	\$ -	\$ -
5 6 8	Operating Expenses Deemed Interest Expense Total Cost and Expenses	\$561,924,935 \$105,464,720 \$667,389,654	\$561,924,935 \$105,464,720 \$667,389,654	\$561,924,935 <u>\$ -</u> \$561,924,935	\$561,924,935 \$ - \$561,924,935	\$561,924,935 <u>\$ -</u> \$561,924,935	\$561,924,935 \$ - \$561,924,935
9	Utility Income Before Income Taxes	\$178,567,271	\$204,953,261	\$235,916,807	\$262,302,797	(\$561,924,935)	(\$561,924,935)
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$63,873,242)	(\$63,873,242)	(\$63,873,242)	(\$63,873,242)	\$ -	\$ -
11	Taxable Income	\$114,694,029	\$141,080,019	\$172,043,565	\$198,429,555	(\$561,924,935)	(\$561,924,935)
12 13	Income Tax Rate Income Tax on Taxable Income	26.50% \$30,393,918	26.50% \$37,386,205	26.50% \$45,591,545	26.50% \$52,583,832	26.50% \$ -	26.50% \$ -
14 15	Income Tax Credits Utility Net Income	(\$2,736,000) \$150,909,353	(\$2,736,000) \$168,405,218	(\$2,736,000) \$193,061,262	(\$2,736,000) (\$598,472,978)	\$ - (\$561,924,935)	\$ - (\$598,472,978)
16	Utility Rate Base	\$4,828,970,698	\$4,828,970,698	\$4,589,881,919	\$4,589,881,919	\$4,589,881,919	\$4,589,881,919
17	Deemed Equity Portion of Rate Base	\$1,931,588,279	\$1,931,588,279	\$ -	\$ -	\$ -	\$ -
18	Income/(Equity Portion of Rate Base)	7.81%	8.72%	0.00%	0.00%	0.00%	0.00%
19	Target Return - Equity on Rate Base	8.82%	8.82%	0.00%	0.00%	0.00%	0.00%
20	Deficiency/Sufficiency in Return on Equity	-1.01%	-0.10%	0.00%	0.00%	0.00%	0.00%
21 22	Indicated Rate of Return Requested Rate of Return on Rate Base	5.31% 5.71%	5.67% 5.71%	4.21% 0.00%	0.00% 0.00%	-12.24% 0.00%	0.00% 0.00%
23	Deficiency/Sufficiency in Rate of Return	-0.40%	-0.04%	4.21%	0.00%	-12.24%	0.00%
24 25 26	Target Return on Equity Revenue Deficiency/(Sufficiency) Gross Revenue Deficiency/(Sufficiency)	\$170,366,086 \$19,456,733 \$26,471,745 ⁽¹⁾	\$170,366,086 (\$1,960,868)	\$ - (\$193,061,262) (\$262,668,384) ⁽¹⁾	\$ - \$ -	\$ - \$561,924,935 \$764,523,721 ⁽¹⁾	\$ - \$ -

Notes:

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

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Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2021 Filers

Revenue Requirement

Line No.	Particulars	Application		Per Board Decision
1 2 3 5 6 7	OM&A Expenses Amortization/Depreciation Property Taxes Income Taxes (Grossed up) Other Expenses Return	\$274,410,533 \$281,929,611 \$5,584,791 \$36,548,043 \$ -	\$274,410,533 \$281,929,611 \$5,584,791 \$36,548,043	\$274,410,533 \$281,929,611 \$5,584,791 \$36,548,043
7	Deemed Interest Expense Return on Deemed Equity	\$105,464,720 \$170,366,086	\$ - \$ -	\$ - \$ -
8	Service Revenue Requirement (before Revenues)	\$874,303,784	\$598,472,978	\$598,472,978
9 10	Revenue Offsets Base Revenue Requirement (excluding Tranformer Owership Allowance credit adjustment)	\$48,115,184 \$826,188,600	\$- \$598,472,978	\$ - \$598,472,978
11 12	Distribution revenue Other revenue	\$824,227,732 \$48,115,184	\$ - \$ -	\$ - \$ -
13	Total revenue	\$872,342,916	\$ -	\$ -
14	Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)	(\$1,960,868)	(1) <u>(\$598,472,978)</u> (1) <u>(\$598,472,978)</u> ⁽¹⁾

Summary Table of Revenue Requirement and Revenue Deficiency/Sufficiency

	Application		Δ% ⁽²⁾	Per Board Decision	Δ% (2
Service Revenue Requirement Grossed-Up Revenue	\$874,303,784	\$598,472,978	(\$0)	\$598,472,978	(\$1
Deficiency/(Sufficiency)	\$26,471,745	(\$262,668,384)	(\$11)	\$764,523,721	(\$1
Base Revenue Requirement (to be					
				\$500 470 070	
Revenue Deficiency/(Sufficiency) Associated with Base Revenue	\$826,188,600	\$598,472,978	(\$0)	\$598,472,978	(\$ 1

Notes (1)

Percentage Change Relative to Initial Application

Line 11 - Line 8

⁽¹⁾

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2021 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 andf trends from historical actuals to the Bridge and Test Year forecasts.

	Stage in Process:		Initial Application							
	Customer Class		Initial Application					Per	Board Decision	
	Input the name of each customer class.	Customer / Connections Test Year average or mid-year	kWh Annual	kW/kVA ⁽¹⁾ Annual	Customer / Connections Test Year average or mid-year	kWh Annual	kW/kVA ⁽¹⁾ Annual	Customer / Connections Test Year average or mid-year	kWh Annual	kW/kVA ⁽¹⁾ Annual
2 3 4 5 6 7 8	Residential Competitive Sector Multi-Unit Residential GS <50 GS - 50 to 999 GS - 1000 to 4999 Large Use >5MW Street Light Unmetered Scattered Load Unmetered Scattered Load (Connections)	617,609 90,045 71,596 10,363 430 44 165,571 857 12,272	4,458,695,848 286,903,886 2,238,780,453 9,526,101,781 4,500,819,338 1,991,635,383 115,193,891 41,200,600	- 24,849,478 10,334,297 4,764,614 327,106 -						
	Total		23,159,331,182	40,275,495		-	-		-	-

Notes:

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

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2021 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: Initial Application

Name of Customer Class ⁽³⁾ From Sheet 10, Load Forecast		Allocated from vious Study ⁽¹⁾	%		Allocated Class Revenue Requirement (1)		%
					(7)	A)	
Residential	\$	287,079,871	42.269			36,106,313	38.4%
Competitive Sector Multi-Unit Resident	\$	19,267,312	2.849			37,570,649	4.3%
GS <50	\$	99,019,246	14.589			36,249,759	15.6%
GS - 50 to 999	\$	157,700,127	23.219			17,580,358	24.9%
GS - 1000 to 4999	\$	55,701,964	8.209			76,869,104	8.8%
Large Use >5MW	\$	31,087,389	4.589			41,860,296	4.8%
Street Light	\$	25,331,820	3.73			23,355,917	2.7%
Unmetered Scattered Load	\$	4,173,832	0.619	% \$		4,711,388	0.5%
Unmetered Scattered Load (Connection	is)						
Total	\$	679,361,561	100.009	% \$	8	74,303,784	100.0%
			Service Revenue Requirement (from	\$	8	74,303,784	

(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. 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 (2)

allocated costs and revenues of the embedded distributor(s) in the applicable class, and also complete Appendix 2-Q. 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 (3) as possible.

B) Calculated Class Revenues

Name of Customer Class	Load Forecast (LF) X current approved rates		LF X current approved rates X (1+d)		LF X Proposed Rates		Miscellaneous Revenues	
		(7B)		(7C)		(7D)		(7E)
Residential	\$	316,685,191	\$	327,160,072	\$	326,944,706	\$	19,402,912
Competitive Sector Multi-Unit Resident	\$	36,587,084	\$	37,797,262	\$	37,785,433	\$	1,694,334
GS <50	\$	109,054,714	\$	112,661,877	\$	112,620,337	\$	8,235,295
GS - 50 to 999	\$	213,465,985	\$	220,526,721	\$ \$	220,563,142	\$	7,399,145
GS - 1000 to 4999	\$	68,782,349	\$	71,057,437	\$	71,212,854	\$	1,408,946
Large Use >5MW	\$	33,625,363	\$	34,737,577	\$	34,823,821	\$	576,857
Street Light	\$	15,587,707	\$	16,103,296	\$	16,093,607	\$	9,086,625
Unmetered Scattered Load	\$	4,010,849	\$	4,143,515	\$	4,143,857	\$	311,071
Unmetered Scattered Load (Connection	ns)							
Total	\$	797,799,242	s	824.187.757	\$	824.187.757	\$	48,115,185

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. (4) (5)

Columns 7C and 7D - Column Total should equal the Base Revenue Requirement for each. 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. (6)

(7) Column 7E - If using the OEB-issued cost allocation model, enter Miscellaneous Revenues as it appears on worksheet O-1, row 19,

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 3 Page 12 of 15

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: Initial Application

C) Rebalancing Revenue-to-Cost Ratios

Name of Customer Class	Previously Approved Ratios Most Recent Year:	Status Quo Ratios (7C + 7E) / (7A)	Proposed Ratios (7D + 7E) / (7A)	Policy Range		
	2015	(,	(12112)/(1/4)			
	%	%	%	%		
Residential	94.3%	103.1%	103.0%	85 - 115		
Competitive Sector Multi-Unit Resident	100.0%	105.1%	105.1%			
GS <50	91.5%	88.7%	88.7%	80 - 120		
GS - 50 to 999	119.0%	104.8%	104.8%	80 - 120		
GS - 1000 to 4999	101.9%	94.3%	94.5%	80 - 120		
Large Use >5MW	95.3%	84.4%	84.6%	85 - 115		
Street Light	82.7%	107.9%	107.8%	80 - 120		
Unmetered Scattered Load	90.5%	94.5%	94.6%	80 - 120		
Unmetered Scattered Load (Connection	ns)					

(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.

Status Quo Ratios - The OEB-issued cost allocation model provides the Status Quo Ratios on Worksheet O-1. The Status Quo means "Before Rebalancing".
 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	Propos	tio	Policy Range	
	Test Year	Price Cap IF		
	2020	2021	2022	
Residential	103.0%			85 - 115
Competitive Sector Multi-Unit Resident	105.1%			
GS <50	88.7%			80 - 120
GS - 50 to 999	104.8%			80 - 120
GS - 1000 to 4999	94.5%			80 - 120
Large Use >5MW	84.6%			85 - 115
Street Light	107.8%			80 - 120
Unmetered Scattered Load	94.6%			80 - 120
Unmetered Scattered Load (Connection				

(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'.

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2021 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		617,609							
kWh	4,458,695,848								
Proposed Residential Class Specific Revenue	\$	326,944,705.68							
Requirement ¹									
Residential Base Rates on Cur	rent Ta	riff							
Monthly Fixed Charge (\$)									
Distribution Volumetric Rate (\$/kWh)									

B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed		617,609		
Variable		4,458,695,848		
TOTAL	-	-		-

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			
Variable			
TOTAL		-	

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

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)

Contario Energy Board

Revenue Requirement Workform (RRWF) for 2021 Filers

Rate Design and Revenue Reconciliation

This sheet replaces Appendix 2-V, and provides a simplified model for calculating the standard monthly and voluemtric 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 RRWF does not replace the rate generator model that an applicant distributor may use in support of its application. The RRWF 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/PILs, etc.

Stage in Process:			Initial Application		Cla	ss Allocated Reve	nues					Dis	tribution Rates			F	Revenue Reconcilia	tion	
	Customer and Lo	oad Forecast				11. Cost Allocation esidential Rate Des			able Splits ² be entered as a ween 0 and 1										
Customer Class	Volumetric Charge	Customers / Connections	kWh	kW or kVA	Total Class Revenue	Monthly Service Charge	Volumetric	Fixed	Variable	Transformer Ownership	Monthly Serv	ice Charge No. of		netric Rate No.		13888889	Volumetric		bution Revenue s Transformer
From sheet 10. Load Forecast	Determinant				Requirement	j-				Allowance ¹ (\$)	Rate	decimals	Rate	dec		levenues	revenues		ership Allowan
Residential Competitive Sector Multi-Unit Residential GS <50 GS - 50 to 999 GS - 1000 to 4999 Large Use >5MW Street Light Unmetered Scattered Load Unmetered Scattered Load (Connections)	kWh kVA kVA kVA kVA kVA	617,609 90,045 71,596 10,363 430 44 165,571 857 12,272 - - - - - - - - - - - - - - - - - -	4,458,695,848 286,903,886 2,238,780,453 9,526,101,781 4,500,819,338 1,991,635,383 115,193,891 41,200,600 - - - - - - - - - - - - - - - - - -	- 24,849,478 10,334,297 4,764,614 327,106 - - - - - - - - - - - - - - - - - - -	\$ 326,944,706 \$ 37,785,433 \$ 112,620,337 \$ 220,563,142 \$ 71,212,854 \$ 34,823,821 \$ 16,093,607 \$ 4,143,857	\$ 326,944,706 \$ 37,785,433 \$ 33,344,376 \$ 6,672,881 \$ 4,721,559 \$ 2,105,035 \$ 3,446,247 \$ 79,425 \$ 115,713	\$ - \$ 79,275,961 \$ 213,890,261 \$ 66,491,295 \$ 32,718,786 \$ 12,647,360 \$ 3,948,719 \$ -	100.00% 100.00% 29.61% 3.03% 6.63% 6.04% 21.41% 1.92% 2.79%	0.00% 0.00% 70.39% 96.97% 93.37% 93.96% 78.59% 95.29%	\$ - \$ - \$ 3,934,179 \$ 5,409,797 \$ 2,927,366 \$ - \$ - \$ - \$ -	\$43.51 \$34.49 \$38.28 \$52.92 \$902.50 \$3,932.19 \$1.71 \$7.62 \$0.77		\$0.00000 \$0.03541 \$8.6457 \$6.8622 \$7.3790 \$38.1348	/kWh /kWh /kVA /kVA /kVA /kVA	5 3 5 3 4 4 4	6,944,706 7,785,433 3,345,121 6,672,321 4,721,579 2,105,032 3,444,708 79,452 114,968 - - - - - - - - - - - - - - - - - - -	79,275,216 217,825,040 71,900,958 35,646,392 12,647,374 3,948,666 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	326,944,705. 37,785,433. 112,620,336. 220,563,182. 71,212,739. 34,824,057. 16,092,081. 4,028,118. 114,968.
							т	otal Transformer Ow	nership Allowance	\$ 12,271,342					Total Dis	tribution Reve	nues	\$	824,185,623
es:													Rates recover re	venue requirem	ent Base Rev	venue Require	ment	\$	826,188,599
tes: Transformer Ownership Allowance is ente	ered as a positive	amount, and only fo	or those classes to w	hich it applies.											Differenc % Differe			-\$	2,002,976 -0.24

² The Fixed/Variable split, for each customer class, drives the "rate generator" portion of this sheet of the RRWF. Only the "fixed" ratio 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 calcutated as: [MSC x (average number of customers or connections) x 12 months] / (Class Allocated Revenue Requirement).

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Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 3 ORIGINAL Page 15 of 15

Contario Energy Board Revenue Requirement Workform (RRWF) for 2019 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, ucd-relations, 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

			Cost of	Capital	Rate Base	e and Capital Exp	enditures	Operating Expenses			Revenue Requirement			
	Reference ⁽¹⁾	Item / Description ⁽²⁾	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		
		Original Application	\$ 275,830,806	5.71%	\$4,828,970,698	\$3,722,273,959	\$ 239,088,778	\$ 281,929,611	\$ 36,548,043	\$ 274,410,533	\$ 874,303,784	\$ 48,115,184	\$ 826,188,600	\$ 26,471,745
1		Change												

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 4 ORIGINAL Page 1 of 15

Contario Energy Board Revenue Requirement Workform (RRWF) for 2022 Filers



Utility Name	Toronto Hydro-Electric System Limited
Service Territory	
Assigned EB Number	EB-2018-0165
Name and Title	
Phone Number	
Email Address	
Test Year	
Bridge Year	
Last Rebasing Year	2015

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.

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 4 ORIGINAL Page 2 of 15

Mario Energy Board

Revenue Requirement Workform (RRWF) for 2022 Filers

<u>1. Info</u>	8. Rev_Def_Suff
2. Table of Contents	<u>9. Rev_Reqt</u>
3. Data_Input_Sheet	10. Load Forecast
4. Rate_Base	11. Cost Allocation
5. Utility Income	12. Residential Rate Design
6. Taxes_PILs	13. Rate Design and Revenue Reconciliation
7. Cost_of_Capital	14. Tracking Sheet

Notes:

(1) Pale green cells represent inputs

(2) (3) Pale green boxes at the bottom of each page are for additional notes

Pale yellow cells represent drop-down lists

Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled. (4)

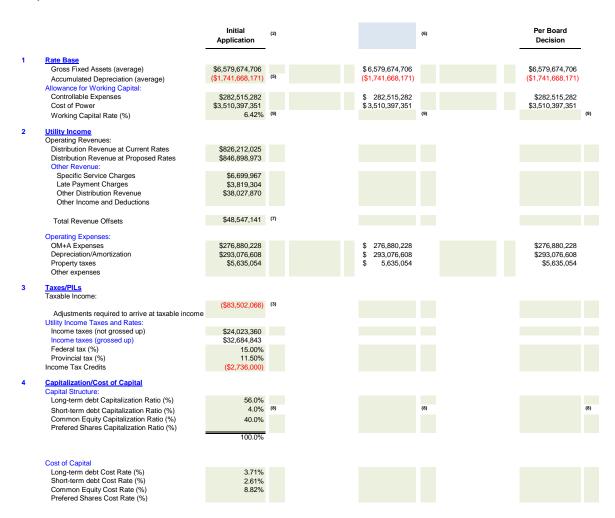
(5) Completed versions of the Revenue Requirement Work Form are required to be filed in working Microsoft Excel format.

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 4 ORIGINAL Page 3 of 15

Contario Energy Board

Revenue Requirement Workform (RRWF) for 2022 Filers

Data Input⁽¹⁾



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) Automatic Computer Study Automatic Structure and a study of the Text N

- Average of Gross Fixed Assets at beginning and end of the Test Year
 Average of Assumulated Descention at the beginning and end of the Descention of the Descention of the Descent of the Desce
- ⁽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.

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 4 ORIGINAL Page 4 of 15

Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2022 Filers

Rate Base and Working Capital

Line No.	Rate Base Particulars	Initial Application				Per Board Decision
1 2 3	Gross Fixed Assets (average) (2) Accumulated Depreciation (average) (2) Net Fixed Assets (average) (2)	\$6,579,674,706 ############### \$4,838,006,535	\$ - \$ - \$ -	\$6,579,674,706 (\$1,741,668,171) \$4,838,006,535	\$ - <u>\$ -</u> \$ -	\$6,579,674,706 (\$1,741,668,171) \$4,838,006,535
4	Allowance for Working Capital (1)	\$243,626,036	<u>############</u>	\$	<u> </u>	\$
5	Total Rate Base	\$5,081,632,571	############	\$4,838,006,535	\$ -	\$4,838,006,535

(1) Allowance for Working Capital - Derivation

	Controllable Expenses Cost of Power Working Capital Base		\$282,515,282 \$3,510,397,351 \$3,792,912,633	\$ - \$ - \$ -	\$282,515,282 \$3,510,397,351 \$3,792,912,633	\$ - \$ - \$ -	\$282,515,282 \$3,510,397,351 \$3,792,912,633
9	Working Capital Rate %	(1)	6.42%	-6.42%	0.00%	0.00%	0.00%
10	Working Capital Allowance		\$243,626,036	#######################################	\$ -	\$ -	\$ -

Notes

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.

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 4 ORIGINAL Page 5 of 15

Contario Energy Board Revenue Requirement Workform (RRWF) for 2022 Filers

Utility Income

Line No.	Particulars	Initial Application				Per Board Decision					
1	Operating Revenues: Distribution Revenue (at Proposed Rates)	\$846,898,973	(\$846,898,973)	\$ -	\$ -	\$ -					
2	Other Revenue	(1) \$48,547,141	(\$48,547,141)	\$ -	\$ -	\$ -					
3	Total Operating Revenues	\$895,446,114	(\$895,446,114)	\$ -	<u> </u>	\$ -					
4 5 6 7 8	Operating Expenses: OM+A Expenses Depreciation/Amortization Property taxes Capital taxes Other expense	\$276,880,228 \$293,076,608 \$5,635,054 \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$276,880,228 \$293,076,608 \$5,635,054 \$ -	\$ - \$ - \$ - \$ - \$ - \$ -	\$276,880,228 \$293,076,608 \$5,635,054 \$ -					
9	Subtotal (lines 4 to 8)	\$575,591,890	\$ -	\$575,591,890	\$ -	\$575,591,890					
10	Deemed Interest Expense	\$110,982,855	(\$110,982,855)	\$	<u> </u>	<u> </u>					
11	Total Expenses (lines 9 to 10)	\$686,574,745	(\$110,982,855)	\$575,591,890	\$ -	\$575,591,890					
12	Utility income before income taxes	\$208,871,369	(\$784,463,259)	(\$575,591,890)	<u> </u>	(\$575,591,890)					
13	Income taxes (grossed-up)	\$32,684,843	<u> </u>	\$32,684,843	\$ -	\$32,684,843					
14	Utility net income	\$176,186,526	(\$784,463,259)	(\$608,276,733)	<u> </u>	(\$608,276,733)					
Notes Other Revenues / Revenue Offsets											
(1)	Specific Service Charges Late Payment Charges Other Distribution Revenue Other Income and Deductions	\$6,699,967 \$3,819,304 \$38,027,870 \$ -		\$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ -					
	Total Revenue Offsets	\$48,547,141	<u> </u>	<u> </u>	<u> </u>	<u> </u>					

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 4 ORIGINAL Page 6 of 15

Contario Energy Board Revenue Requirement Workform (RRWF) for 2022 Filers

Taxes/PILs

Line No.	Particulars	Application		Per Board Decision
	Determination of Taxable Income			
1	Utility net income before taxes	\$179,279,997	\$ -	\$ -
2	Adjustments required to arrive at taxable utility income	(\$83,502,066)	\$ -	\$ -
3	Taxable income	\$95,777,931	<u> </u>	<u> </u>
	Calculation of Utility income Taxes			
4	Income taxes	\$24,023,360	\$24,023,360	\$24,023,360
6	Total taxes	\$24,023,360	\$24,023,360	\$24,023,360
7	Gross-up of Income Taxes	\$8,661,483	\$8,661,483	\$8,661,483
8	Grossed-up Income Taxes	\$32,684,843	\$32,684,843	\$32,684,843
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$32,684,843	\$32,684,843	\$32,684,843
10	Other tax Credits	(\$2,736,000)	(\$2,736,000)	(\$2,736,000)
	Tax Rates			
11 12 13	Federal tax (%) Provincial tax (%) Total tax rate (%)	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%

Notes

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 4 ORIGINAL Page 7 of 15

Contario Energy Board

Revenue Requirement Workform (RRWF) for 2022 Filers

Capitalization/Cost of Capital

_

Line No.	Particulars	Capitali	zation Ratio	Cost Rate	Return
		Initial A	Application		
	Debt	(%)	(\$)	(%)	(\$)
1	Long-term Debt	56.00%	\$2,845,714,240	3.71%	\$105,677,631
2	Short-term Debt	4.00%	\$203,265,303	2.61%	\$5,305,224
3	Total Debt	60.00%	\$3,048,979,542	3.64%	\$110,982,855
	Equity				
4	Common Equity	40.00%	\$2,032,653,028	8.82%	\$179,279,997
5	Preferred Shares	0.00%	<u>++</u>	0.00%	\$-
6	Total Equity	40.00%	\$2,032,653,028	8.82%	\$179,279,997
7	Total	100.00%	\$5,081,632,571	5.71%	\$290,262,852
	Daht	(%)	(\$)	(%)	(\$)
1	Debt Long-term Debt	0.00%	\$ -	0.00%	\$ -
2	Short-term Debt	0.00%	φ- \$-	0.00%	\$ -
3	Total Debt	0.00%	\$-	0.00%	\$ -
	Equity	0.000/	¢	0.000/	¢
4 5	Common Equity Preferred Shares	0.00%	\$ - \$ -	0.00%	\$ - \$ -
6	Total Equity	0.00%	\$\$-	0.00%	<u> </u>
7			<u></u> _		<u>.</u>
'	Total	0.00%	\$4,838,006,535	0.00%	\$
		Per Boa	ard Decision		
	Daht	(%)	(\$)	(%)	(\$)
8	Debt Long-term Debt	0.00%	\$ -	3.71%	\$ -
9	Short-term Debt	0.00%	φ- \$-	2.61%	\$ -
10	Total Debt	0.00%	\$ -	0.00%	\$ -
	Equity				
11	Common Equity	0.00%	\$ -	8.82%	\$ -
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	Total Equity	0.00%	\$ -	0.00%	\$ -
14	Total	0.00%	\$4,838,006,535	0.00%	\$ -
					<u>*</u>

Notes

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 4 ORIGINAL Page 8 of 15

Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2022 Filers

Revenue Deficiency/Sufficiency

		Initial Appl	ication			Per Board I	Decision
Line No.	Particulars	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1 2 3	Revenue Deficiency from Below Distribution Revenue Other Operating Revenue Offsets - net	\$826,212,025 \$48,547,141	\$21,905,307 \$824,993,666 \$48,547,141	\$826,212,025 \$ -	<mark>(\$284,448,771)</mark> \$1,131,347,744 \$ -	\$ - \$ -	\$783,118,217 <mark>(\$783,118,217)</mark> \$ -
4	Total Revenue	\$874,759,165	\$895,446,114	\$826,212,025	\$846,898,973	\$ -	\$ -
5 6 8	Operating Expenses Deemed Interest Expense Total Cost and Expenses	\$575,591,890 \$110,982,855 \$686,574,745	\$575,591,890 \$110,982,855 \$686,574,745	\$575,591,890 \$ - \$575,591,890	\$575,591,890 \$ - \$575,591,890	\$575,591,890 <u>\$ -</u> \$575,591,890	\$575,591,890 \$ - \$575,591,890
9	Utility Income Before Income Taxes	\$188,184,420	\$208,871,369	\$250,620,135	\$271,307,083	(\$575,591,890)	(\$575,591,890)
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$83,502,066)	(\$83,502,066)	(\$83,502,066)	(\$83,502,066)	\$ -	\$ -
11	Taxable Income	\$104,682,354	\$125,369,303	\$167,118,069	\$187,805,017	(\$575,591,890)	(\$575,591,890)
12 13	Income Tax Rate Income Tax on Taxable Income	26.50% \$27,740,824	26.50% \$33,222,865	26.50% \$44,286,288	26.50% \$49,768,330	26.50% \$ -	26.50% \$ -
14 15	Income Tax Credits Utility Net Income	(\$2,736,000) \$163,179,597	(\$2,736,000) \$176,186,526	(\$2,736,000) \$209,069,847	(\$2,736,000) (\$608,276,733)	\$ - (\$575,591,890)	\$ - (\$608,276,733)
16	Utility Rate Base	\$5,081,632,571	\$5,081,632,571	\$4,838,006,535	\$4,838,006,535	\$4,838,006,535	\$4,838,006,535
17	Deemed Equity Portion of Rate Base	\$2,032,653,028	\$2,032,653,028	\$ -	\$ -	\$ -	\$ -
18	Income/(Equity Portion of Rate Base)	8.03%	8.67%	0.00%	0.00%	0.00%	0.00%
19	Target Return - Equity on Rate Base	8.82%	8.82%	0.00%	0.00%	0.00%	0.00%
20	Deficiency/Sufficiency in Return on Equity	-0.79%	-0.15%	0.00%	0.00%	0.00%	0.00%
21 22	Indicated Rate of Return Requested Rate of Return on Rate Base	5.40% 5.71%	5.65% 5.71%	4.32% 0.00%	0.00% 0.00%	-11.90% 0.00%	0.00% 0.00%
23	Deficiency/Sufficiency in Rate of Return	-0.32%	-0.06%	4.32%	0.00%	-11.90%	0.00%
24 25 26	Target Return on Equity Revenue Deficiency/(Sufficiency) Gross Revenue Deficiency/(Sufficiency)	\$179,279,997 \$16,100,401 \$21,905,307 ⁽¹⁾	\$179,279,997 (\$3,093,471)	\$ - (\$209,069,847) (\$284,448,771) ⁽¹⁾	\$ - \$ -	\$ - \$575,591,890 \$783,118,217 ⁽¹⁾	\$ - \$ -

Notes:

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

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2022 Filers

Revenue Requirement

Line No.	Particulars	Application			Per Board Decision	
1	OM&A Expenses	\$276,880,228	9	276,880,228	\$276,880,228	
2	Amortization/Depreciation	\$293,076,608		293,076,608	\$293,076,608	
3	Property Taxes	\$5,635,054		\$5,635,054	\$5,635,054	
5	Income Taxes (Grossed up)	\$32,684,843		\$32,684,843	\$32,684,843	
6	Other Expenses	\$ -		+,,	<i> </i>	
7	Return	Ŧ				
•	Deemed Interest Expense	\$110,982,855		\$ -	\$ -	
	Return on Deemed Equity	\$179,279,997		\$ -	\$ -	
8	Service Revenue Requirement					
•	(before Revenues)	\$898,539,585		608,276,733	\$608,276,733	
9	Revenue Offsets	\$48,547,141		\$ -	\$ -	
10	Base Revenue Requirement	\$849,992,444	9	608,276,733	\$608,276,733	
	(excluding Tranformer Owership			, ,		
	Allowance credit adjustment)					
11	Distribution revenue	\$846,898,973		\$ -	\$ -	
12	Other revenue	\$48,547,141		\$ -	\$ -	
13	Total revenue	\$895,446,114		\$ -	\$ -	
14	Difference (Total Revenue Less Distribution Revenue Requirement					
	before Revenues)	(\$3,093,471)	(1) (9	608,276,733)	(1) (\$608,276,733) ((1)

Summary Table of Revenue Requirement and Revenue Deficiency/Sufficiency

	Application		Δ% ⁽²⁾	Per Board Decision	Δ% (2
Service Revenue Requirement Grossed-Up Revenue	\$898,539,585	\$608,276,733	(\$0)	\$608,276,733	(\$1
Deficiency/(Sufficiency)	\$21,905,307	(\$284,448,771)	(\$14)	\$783,118,217	(\$1
Base Revenue Requirement (to be					
recovered from Distribution Rates) Revenue Deficiency/(Sufficiency)	\$849,992,444	\$608,276,733	(\$0)	\$608,276,733	(\$
Base Revenue Requirement (to be recovered from Distribution Rates) Revenue Deficiency/(Sufficiency) Associated with Base Revenue	\$849,992,444	\$608,276,733	(\$0)	\$608,276	,733

Notes

(1) Line 11 - Line 8

⁽²⁾ Percentage Change Relative to Initial Application

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Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2022 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 andf trends from historical actuals to the Bridge and Test Year forecasts.

	Stage in Process:		Initial Application							
	Customer Class		Initial Application					Per	Board Decision	
	Input the name of each customer class.	Customer / Connections Test Year average or mid-year	kWh Annual	kW/kVA ⁽¹⁾ Annual	Customer / Connections Test Year average or mid-year	kWh Annual	kW/kVA ⁽¹⁾ Annual	Customer / Connections Test Year average or mid-year	kWh Annual	kW/kVA ⁽¹⁾ Annual
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Residential Competitive Sector Multi-Unit Residential GS <50 GS - 50 to 999 CS - 1000 to 4999 Large Use >5MW Street Light Unmetered Scattered Load Unmetered Scattered Load (Connections)	619,254 95,962 71,692 10,352 430 44 165,839 857 12,272	4,422,717,979 300,278,055 2,214,262,866 9,482,679,716 4,444,016,815 1,977,187,697 115,380,364 41,200,600	24,840,867 10,283,783 4,748,366 327,591						
	Total		22,997,724,093	40,200,607		-	-		-	-

Notes:

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

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 4 ORIGINAL Page 11 of 15

Contario Energy Board

Revenue Requirement Workform (RRWF) for 2022 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 determ nation of rates from customers in all classes to recover the revenue requirement

Stage in Application Process: Initial Application A) Allocated Costs Name of Customer Class (3) Costs Allocated from % Allocated Class % Revenue Requirement Previous Study (1) From Sheet 10, Load Forecast (7A) 42.26% 2.84% 14.58% 23.21% 38.4% 4.3% 15.6% Residential 287.079.871 345,423,219 19,267,312 99,019,246 157,700,127 38,612,112 140,026,618 223,611,711 mpetitive Sector Multi-Unit Residentia GS <50 GS - 50 to 999 \$ \$ 24.9% 8.8% 4.8% 2.7% GS - 1000 to 4999 55.701.964 8.20% \$ 78.999.924 Large Use >5MW Street Light Unmetered Scattered Load 31,087,389 25,331,820 4,173,832 4.58% 3.73% 0.61% 43,020,668 24,003,346 4,841,988 \$\$\$ \$ 0.5% Unmetered Scattered Load (Connections) 11 12 13 14 15 16 17 18 19 20 679,361,561 Total 100.00% \$ 898,539,585 100.0% 898,539,585 Service Revenue \$ Requirement (from Sheet 9)

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. 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 2-0. 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 accessible. (1)

(2)

(3) possible.

Calculated Class Revenues B)

Name of Customer Class	Load Forecast (LF) X current approved rates	LF X current approved rates X (1+d)	LF X Proposed Rates	Miscellaneous Revenues
	(7B)	(7C)	(7D)	(7E)
1 Residential	\$ 327,783,527	\$ 336,012,380	\$ 335,877,177	\$ 19,577,103
2 Competitive Sector Multi-Unit Residentia	\$ 40,269,494	\$ 41,280,441	\$ 41,505,964	\$ 1,709,545
3 GS <50	\$ 111,795,446	\$ 114,602,019	\$ 114,450,611 \$ 226,003,812	\$ 8,309,228
4 GS - 50 to 999	\$ 220,473,129	\$ 226,008,004	\$ 226,003,812	\$ 7,465,571
5 GS - 1000 to 4999	\$ 70,877,474	\$ 72,656,820	\$ 72,734,767	\$ 1,421,594
6 Large Use >5MW	\$ 34,706,612	\$ 35,577,905	\$ 35,575,066 \$ 16,510,255	\$ 582,036
7 Street Light	\$ 16,110,700	\$ 16,515,151	\$ 16,510,255	\$ 9,168,200
3 Unmetered Scattered Load	\$ 4,142,264	\$ 4,246,254	\$ 4,241,320	\$ 313,864
9 Unmetered Scattered Load (Connections 0	5)			
1				
2				
3				
4				
5				
6				
7				
8				
9				
o				
Total	\$ 826,158,645	\$ 846,898,973	\$ 846,898,973	\$ 48,547,141

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. (4)

Columns 7C and 7D - Column Total should equal the Base Revenue Requirement for each. (5)

(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,

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 4 ORIGINAL Page 12 of 15

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: Initial Application

C) Rebalancing Revenue-to-Cost Ratios

Name of Customer Class	Previously Approved Ratios Most Recent Year:	Status Quo Ratios (7C + 7E) / (7A)	Proposed Ratios (7D + 7E) / (7A)	Policy Range
	2015	(/C + /E)/(/A)	(10 + 12)7(14)	
	%	%	%	%
Residential	94.3%	102.9%	102.9%	85 - 115
Competitive Sector Multi-Unit Residentia	100.0%	111.3%	111.9%	
GS <50	91.5%	87.8%	87.7%	80 - 120
GS - 50 to 999	119.0%	104.4%	104.4%	80 - 120
GS - 1000 to 4999	101.9%	93.8%	93.9%	80 - 120
Large Use >5MW	95.3%	84.1%	84.0%	85 - 115
Street Light	82.7%	107.0%	107.0%	80 - 120
Unmetered Scattered Load	90.5%	94.2%	94.1%	80 - 120
Unmetered Scattered Load (Connections	s)			

(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	Prop	osed Revenue-to-Cost R	atio	Policy Range
	Test Year	Price Cap	IR Period	
	2020	2021	2022	
Residential	102.9%			85 - 115
Competitive Sector Multi-Unit Residentia	111.9%			
GS <50	87.7%			80 - 120
GS - 50 to 999	104.4%			80 - 120
GS - 1000 to 4999	93.9%			80 - 120
Large Use >5MW	84.0%			85 - 115
Street Light	107.0%			80 - 120
Unmetered Scattered Load	94.1%			80 - 120
Unmetered Scattered Load (Connection:				

(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'.

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2022 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 R	esident	ial Class
Customers		619,254
kWh		4,422,717,979
Proposed Residential Class Specific Revenue	\$	335,877,177.06
Requirement ¹		
Residential Base Rates on Cu	rent Ta	riff
Monthly Fixed Charge (\$)	\$	-
Distribution Volumetric Rate (\$/kWh)	\$	-

B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	0	619,254	\$ -	
Variable	0	4,422,717,979	\$ -	
TOTAL	-	-	\$ -	-

C Calculating Test Year Base Rates

Transition Years ²

	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			
Variable			
TOTAL		-	

				Revenue
		Revenue @ new	Final Adjusted	Reconciliation @
	New F/V Split	F/V Split	Base Rates	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)

Contario Energy Board

Revenue Requirement Workform (RRWF) for 2022 Filers

Rate Design and Revenue Reconciliation

This sheet replaces Appendix 2-V, and provides a simplified model for calculating the standard monthly and voluemtric 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 RRWF does not replace the rate generator model that an applicant distributor may use in support of its application. The RRWF 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/PILs, etc.

Stage in I	Process:			Initial Application		Cla	ss Allocated Reven	nues					Dist	tribution Rates				Revenue Reconcili	ation	
	c	Customer and Lo	oad Forecast				11. Cost Allocation esidential Rate Des		Percentage to	able Splits ² be entered as a ween 0 and 1										
Custome	er Class	Volumetric Charge	Customers /	kWh	kW or kVA	Total Class Revenue	Monthly Service Charge	Volumetric	Fixed	Variable	Transformer Ownership	Monthly Serv	-	Vol	umetric Ra		1.013888889			ibution Revenues
From she	eet 10. Load Forecast	Determinant	Connections			Requirement	Service Charge				Allowance ¹ (\$)	Rate	No. of decimals	Rate		No. of decimals	MSC Revenues	Volumetric revenues		ss Transformer ership Allowance
3 GS <50 4 GS - 50 to 5 GS - 1000 6 Large Use 7 Street Ligl 8 Unmetere	ive Sector Multi-Unit Residential o 999 0 to 4999 e >5MW	kWh kWh kVA kVA kVA kVA kVA kWh	619,254 95,962 71,692 10,352 430 44 165,839 857 12,272 - - - - - - - - - - - - - - - - - -	4,422,717,979 300,278,055 2,214,262,866 9,482,679,716 4,444,016,815 1,977,187,697 115,380,364 41,200,600 - - - - - - - - - - - - - - - - - -	- 24,840,867 10,283,783 4,748,366 327,591 - - - - - - - - - - - - - - - - - - -	\$ 335,877,177 \$ 41,505,964 \$ 114,450,611 \$ 226,003,812 \$ 72,734,767 \$ 35,575,066 \$ 16,510,255 \$ 4,241,320	\$ 335,877,177 \$ 41,505,964 \$ 34,183,160 \$ 6,833,426 \$ 4,844,620 \$ 2,157,357 \$ 3,528,205 \$ 81,375 \$ 117,735	\$ - \$ 80,267,451 \$ 219,170,387 \$ 67,890,147 \$ 33,417,709 \$ 12,982,050 \$ 4,042,210 \$ -	100.00% 100.00% 29.87% 6.66% 6.06% 21.37% 1.92% 2.78%	0.00% 0.00% 70.13% 96.98% 93.34% 93.94% 78.63% 95.31%	\$ - \$ - \$ 3,932,887 \$ 5,383,442 \$ 2,917,387 \$ - \$ - \$ - \$ -	\$44.58 \$35.55 \$39.19 \$54.26 \$926.02 \$4,029.93 \$1.75 \$7.80 \$0.79		\$0.00000 \$0.003625 \$8.8583 \$7.0276 \$7.5473 \$39.0860 \$0.09811 \$0.00000	/kWh /kWh /kVA /kVA /kVA /kVA /kWh	5 5 4 4 4 5	335,877,177 41,505,964 34,183,582 6,834,011 4,844,628 2,157,356 3,530,992 81,329 117,954 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	80,267,029 223,104,073 73,274,064 36,335,083 12,982,058 4,042,191 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	335,877,177.06 41,505,964.05 114,450,610.90 226,005,197.47 72,735,250.26 35,575,052.58 16,513,050.50 4,123,520.20 117,954.37 - - - - - - - -
								т	otal Transformer Ow	nership Allowance	\$ 12,233,716						Total Distribution Rev	enues	\$	846,903,777.39
Notes:														Rates recover	revenue rec	quirement	Base Revenue Require	ement	\$	849,992,444.33
¹ Transform	ner Ownership Allowance is enter	ed as a positive a	mount, and only for	those classes to wh	ich it applies.												Difference % Difference		-\$	3,088,666.94 -0.363%

² The Fixed/Variable split, for each customer class, drives the "rate generator" portion of the sheet of the RRWF. Only the "fixed" ratio is calcutated as: [MSC x (average number of customers or connections) x 12 months] / (Class Allocated Revenue Requirement).

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Contario Energy Board Revenue Requirement Workform (RRWF) for 2019 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, updated.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

Γ			Cost of	Cost of Capital Rate Base and Capital Expenditures			Оре	erating Expense	es	Revenue Requirement				
F	Reference ⁽¹⁾	Item / Description ⁽²⁾	Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)		Taxes/PILs	OM&A	Service Revenue Requirement			
		Original Application	\$ 290,262,852	5.71%	\$5,081,632,571	\$3,792,912,633	\$ 243,626,036	\$ 293,076,608	\$ 32,684,843	\$ 276,880,228	\$ 898,539,585	\$ 48,547,141	\$ 849,992,444	\$ 21,905,307
		Change												

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 5 ORIGINAL Page 1 of 15

Contario Energy Board Revenue Requirement Workform (RRWF) for 2023 Filers



Utility Name	Toronto Hydro-Electric System Limited
Service Territory	
Assigned EB Number	EB-2018-0165
Name and Title	
Phone Number	
Email Address	
Test Year	
Bridge Year	
Last Rebasing Year	2015

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.

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2023 Filers

<u>1. Info</u>	8. Rev_Def_Suff
2. Table of Contents	<u>9. Rev_Reqt</u>
3. Data_Input_Sheet	10. Load Forecast
4. Rate_Base	11. Cost Allocation
5. Utility Income	12. Residential Rate Design
<u>6. Taxes_PILs</u>	13. Rate Design and Revenue Reconciliation
7. Cost_of_Capital	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.

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Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2023 Filers

Data Input⁽¹⁾

		Initial Application	(2)		(6)	Per Board Decision	
1	Rate Base Gross Fixed Assets (average) Accumulated Depreciation (average)	\$7,140,052,883 (\$2,013,781,505)	(5)	######################################		\$7,140,052,883 (\$2,013,781,505)	
	Allowance for Working Capital: Controllable Expenses Cost of Power Working Capital Rate (%)	\$285,057,919 \$3,579,801,165 6.42%	(9)	\$ 285,057,919 ###############	(9)	\$285,057,919 \$3,579,801,165	(9)
2	Utility Income Operating Revenues: Distribution Revenue at Current Rates	\$848,702,180					
	Distribution Revenue at Proposed Rates Other Revenue: Specific Service Charges	\$885,241,080 \$6,760,117					
	Late Payment Charges Other Distribution Revenue Other Income and Deductions	\$3,853,592 \$38,369,275					
	Total Revenue Offsets	\$48,982,985	(7)				
	Operating Expenses: OM+A Expenses Depreciation/Amortization Property taxes Other expenses	\$279,372,150 \$310,853,964 \$5,685,769		 \$ 279,372,150 \$ 310,853,964 \$ 5,685,769 		\$279,372,150 \$310,853,964 \$5,685,769	
3	Taxes/PILs Taxable Income:						
	Adjustments required to arrive at taxable income	(\$85,418,999)	(3)				
	Utility Income Taxes and Rates: Income taxes (not grossed up)	\$26,253,623					
	Income taxes (grossed up) Federal tax (%) Provincial tax (%) Income Tax Credits	\$35,719,215 15.00% 11.50% (\$2,736,000)					
4	Capitalization/Cost of Capital	(\$2,730,000)					
	Capital Structure: Long-term debt Capitalization Ratio (%)	56.0%					
	Short-term debt Capitalization Ratio (%) Common Equity Capitalization Ratio (%) Prefered Shares Capitalization Ratio (%)	4.0% 40.0%	(8)		(8)		(8)
		100.0%					
	Cost of Capital Long-term debt Cost Rate (%)	3.71%					
	Short-term debt Cost Rate (%) Common Equity Cost Rate (%) Prefered Shares Cost Rate (%)	2.61% 8.82%					

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.

- All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)
- 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.
- 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 a paliaset has prepared as here approved for another amount
- (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.

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 5 ORIGINAL Page 4 of 15

Contario Energy Board Revenue Requirement Workform (RRWF) for 2023 Filers

Rate Base and Working Capital

	Rate Base					
Line No.	Particulars	Initial Application				Per Board Decision
1	Gross Fixed Assets (average)	²⁾ \$7,140,052,883	\$ -	\$7,140,052,883	\$ -	\$7,140,052,883
2	Accumulated Depreciation (average)	²⁾ (\$2,013,781,505)	\$ -	(\$2,013,781,505)	\$ -	(\$2,013,781,505)
3	Net Fixed Assets (average)	²⁾ \$5,126,271,378	\$ -	\$5,126,271,378	\$ -	\$5,126,271,378
4	Allowance for Working Capital	1) \$248,247,294	<u>############</u>	\$	<u> </u>	<u> </u>
5	Total Rate Base	\$5,374,518,672	######################################	\$5,126,271,378	<u> </u>	\$5,126,271,378

(1) Allowance for Working Capital - Derivation

6 7 8	Controllable Expenses Cost of Power Working Capital Base		\$285,057,919 \$3,579,801,165 \$3,864,859,084	\$ - \$ - \$ -	\$285,057,919 \$3,579,801,165 \$3,864,859,084	\$ - \$ - \$ -	\$285,057,919 \$3,579,801,165 \$3,864,859,084
9	Working Capital Rate %	(1)	6.42%	-6.42%	0.00%	0.00%	0.00%
10	Working Capital Allowance		\$248,247,294	#######################################	\$ -	\$ -	\$ -

Notes

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.

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Contario Energy Board Revenue Requirement Workform (RRWF) for 2023 Filers

Utility Income

Line No.	Particulars	Initial Application				Per Board Decision
1	Operating Revenues: Distribution Revenue (at	\$885,241,080	(\$885,241,080)	\$ -	\$ -	\$ -
2	Proposed Rates) Other Revenue	(1) \$48,982,985	(\$48,982,985)	\$ -	\$ -	\$ -
3	Total Operating Revenues	\$934,224,064	(\$934,224,064)	\$ -	\$ -	<u> </u>
4 5 6 7 8 9 10	Operating Expenses: OM+A Expenses Depreciation/Amortization Property taxes Capital taxes Other expense Subtotal (lines 4 to 8) Deemed Interest Expense Total Expenses (lines 9 to 10)	\$279,372,150 \$310,853,964 \$5,685,769 \$- \$- \$595,911,884 \$117,379,488 \$713,291,371	\$ - \$ - \$ - \$ - \$ - \$ - (\$117,379,488) (\$117,379,488)	\$279,372,150 \$310,853,964 \$5,685,769 \$- \$595,911,884 <u>\$595,911,884</u>	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$279,372,150 \$310,853,964 \$5,685,769 \$- \$595,911,884 <u>\$-</u> \$595,911,884
12	Utility income before income taxes	\$220,932,693	(\$816,844,577)	(\$595,911,884)	\$ -	(\$595,911,884)
13	Income taxes (grossed-up)	\$35,719,215	<u> </u>	\$35,719,215	<u> </u>	\$35,719,215
14	Utility net income	\$185,213,478	(\$816,844,577)	(\$631,631,099)	<u> </u>	(\$631,631,099)
<u>Notes</u>	Other Revenues / Reven	nue Offsets				
(1)	Specific Service Charges Late Payment Charges Other Distribution Revenue Other Income and Deductions	\$6,760,117 \$3,853,592 \$38,369,275 <u></u> -		\$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ - \$ -
	Total Revenue Offsets	\$48,982,985	\$ -	\$	\$	<u> </u>

Contario Energy Board

Revenue Requirement Workform (RRWF) for 2023 Filers

Taxes/PILs

Line No.	Particulars	Application		Per Board Decision
	Determination of Taxable Income			
1	Utility net income before taxes	\$189,613,019	\$ -	\$ -
2	Adjustments required to arrive at taxable utility income	(\$85,418,999)	\$ -	\$ -
3	Taxable income	\$104,194,020	<u> </u>	<u> </u>
	Calculation of Utility income Taxes			
4	Income taxes	\$26,253,623	\$26,253,623	\$26,253,623
6	Total taxes	\$26,253,623	\$26,253,623	\$26,253,623
7	Gross-up of Income Taxes	\$9,465,592	\$9,465,592	\$9,465,592
8	Grossed-up Income Taxes	\$35,719,215	\$35,719,215	\$35,719,215
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$35,719,215	\$35,719,215	\$35,719,215
10	Other tax Credits	(\$2,736,000)	(\$2,736,000)	(\$2,736,000)
	Tax Rates			
11 12 13	Federal tax (%) Provincial tax (%) Total tax rate (%)	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%

Notes

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2023 Filers

Capitalization/Cost of Capital

Line No.	Particulars	Capitaliz	ation Ratio	Cost Rate	Return
		Initial A	pplication		
		(%)	(\$)	(%)	(\$)
	Debt		.		····
1	Long-term Debt	56.00%	\$3,009,730,456	3.71%	\$111,768,490
2 3	Short-term Debt Total Debt	4.00%	\$214,980,747	2.61%	\$5,610,997
3	Total Debt	60.00%	\$3,224,711,203	3.64%	\$117,379,488
	Equity				
4	Common Equity	40.00%	\$2,149,807,469	8.82%	\$189,613,019
5	Preferred Shares	0.00%	\$-	0.00%	\$-
6	Total Equity	40.00%	\$2,149,807,469	8.82%	\$189,613,019
			+ , -, ,		+ / /
7	Total	100.00%	\$5,374,518,672	5.71%	\$306,992,506
1 2 3 4 5 6	Debt Long-term Debt Short-term Debt Total Debt Equity Common Equity Preferred Shares Total Equity	(%) 0.00% 0.00% 0.00% 0.00% 0.00%	(\$)	(%) 0.00% 0.00% 0.00% 0.00%	(\$)
7	Total	0.00%	\$5,126,271,378	0.00%	\$ -
		Per Boar	rd Decision		
		(%)	(\$)	(%)	(\$)
	Debt	0.000/	•	0 7404	•
8 9	Long-term Debt	0.00%	\$ -	3.71%	\$ -
9 10	Short-term Debt Total Debt	0.00%	<u> </u>	<u>2.61%</u> 0.00%	<u> </u>
10		0.00%	φ-	0.00%	- -
	Equity				
11	Common Equity	0.00%	\$ -	8.82%	\$ -
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	Total Equity	0.00%	\$ -	0.00%	\$ -
			· · · · ·		
14	Total	0.00%	\$5,126,271,378	0.00%	\$ -

Notes

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Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2023 Filers

Revenue Deficiency/Sufficiency

		Initial Appl	ication			Per Board D	Decision
Line No.	Particulars	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1 2 3	Revenue Deficiency from Below Distribution Revenue Other Operating Revenue Offsets - net	\$848,702,180 \$48,982,985	\$39,063,327 \$846,177,752 \$48,982,985	\$848,702,180 \$ -	<mark>(\$287,310,071)</mark> \$1,172,551,151 \$ -	\$ - \$ -	\$810,764,468 <mark>(\$810,764,468)</mark> \$ -
4	Total Revenue	\$897,685,165	\$934,224,064	\$848,702,180	\$885,241,080	\$ -	\$ -
5 6 8	Operating Expenses Deemed Interest Expense Total Cost and Expenses	\$595,911,884 \$117,379,488 \$713,291,371	\$595,911,884 \$117,379,488 \$713,291,371	\$595,911,884 <u>\$ -</u> \$595,911,884	\$595,911,884 \$ - \$595,911,884	\$595,911,884 <u>\$ -</u> \$595,911,884	\$595,911,884 <u>\$ -</u> \$595,911,884
9	Utility Income Before Income Taxes	\$184,393,794	\$220,932,693	\$252,790,296	\$289,329,196	(\$595,911,884)	(\$595,911,884)
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$85,418,999)	(\$85,418,999)	(\$85,418,999)	(\$85,418,999)	\$ -	\$ -
11	Taxable Income	\$98,974,795	\$135,513,694	\$167,371,297	\$203,910,197	(\$595,911,884)	(\$595,911,884)
12 13	Income Tax Rate Income Tax on Taxable Income	26.50% \$26,228,321	26.50% \$35,911,129	26.50% \$44,353,394	26.50% \$54,036,202	26.50% \$ -	26.50% \$ -
14 15	Income Tax Credits Utility Net Income	(\$2,736,000) \$160,901,473	(\$2,736,000) \$185,213,478	(\$2,736,000) \$211,172,903	(\$2,736,000) (\$631,631,099)	<u>\$ -</u> (\$595,911,884)	\$ - (\$631,631,099)
15	ounty wet income	\$160,901,473	\$105,213,470	\$211,172,903	(\$631,631,099)	(\$395,911,664)	(\$621,631,099)
16	Utility Rate Base	\$5,374,518,672	\$5,374,518,672	\$5,126,271,378	\$5,126,271,378	\$5,126,271,378	\$5,126,271,378
17	Deemed Equity Portion of Rate Base	\$2,149,807,469	\$2,149,807,469	\$ -	\$ -	\$ -	\$ -
18	Income/(Equity Portion of Rate Base)	7.48%	8.62%	0.00%	0.00%	0.00%	0.00%
19	Target Return - Equity on Rate Base	8.82%	8.82%	0.00%	0.00%	0.00%	0.00%
20	Deficiency/Sufficiency in Return on Equity	-1.34%	-0.20%	0.00%	0.00%	0.00%	0.00%
21 22	Indicated Rate of Return Requested Rate of Return on Rate Base	5.18% 5.71%	5.63% 5.71%	4.12% 0.00%	0.00% 0.00%	-11.62% 0.00%	0.00% 0.00%
23	Deficiency/Sufficiency in Rate of Return	-0.53%	-0.08%	4.12%	0.00%	-11.62%	0.00%
24 25 26	Target Return on Equity Revenue Deficiency/(Sufficiency) Gross Revenue Deficiency/(Sufficiency)	\$189,613,019 \$28,711,546 \$39,063,327 ⁽¹⁾	\$189,613,019 (\$4,399,540)	\$ - (\$211,172,903) (\$287,310,071) ⁽¹⁾	\$ - \$ -	\$ - \$595,911,884 \$810,764,468 ⁽¹⁾	\$ - \$ -

Notes:

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

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2023 Filers

Revenue Requirement

Line No.	Particulars	Application		Per Board Decision
1 2	OM&A Expenses Amortization/Depreciation	\$279,372,150 \$310,853,964	\$279,372,150 \$310,853,964	\$279,372,150 \$310,853,964
3 5 6	Property Taxes Income Taxes (Grossed up) Other Expenses	\$5,685,769 \$35,719,215 \$ -	\$5,685,769 \$35,719,215	\$5,685,769 \$35,719,215
7	Return Deemed Interest Expense Return on Deemed Equity	\$117,379,488 \$189,613,019	\$ - \$ -	\$ - \$ -
8	Service Revenue Requirement (before Revenues)	\$938,623,605	\$631,631,099	\$631,631,099
9 10	Revenue Offsets Base Revenue Requirement (excluding Tranformer Owership Allowance credit adjustment)	\$48,982,985 \$889,640,620	\$ - \$631,631,099	\$ - \$631,631,099
11 12	Distribution revenue Other revenue	\$885,241,080 \$48,982,985	\$ - \$ -	\$ - \$ -
13	Total revenue	\$934,224,064	\$	<u> </u>
14	Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)	(\$4,399,540)	(1) (\$631,631,099)	(1) (\$631,631,099) (1)

Summary Table of Revenue Requirement and Revenue Deficiency/Sufficiency

	Application		Δ% ⁽²⁾	Per Board Decision	Δ% (2
Service Revenue Requirement Grossed-Up Revenue	\$938,623,605	\$631,631,099	(\$0)	\$631,631,099	(\$1
Deficiency/(Sufficiency)	\$39,063,327	(\$287,310,071)	(\$8)	\$810,764,468	(\$1)
Base Revenue Requirement (to be recovered from Distribution Rates) Revenue Deficiency/(Sufficiency) Associated with Base Revenue	\$889,640,620	\$631,631,099	(\$0)	\$631,631,099	(\$1

Notes

(1) Line 11 - Line 8

(2) Percentage Change Relative to Initial Application

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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 andf trends from historical actuals to the Bridge and Test Year forecasts.

	Stage in Process:		Initial Application							
	Customer Class		Initial Application					Per	r Board Decision	
	Input the name of each customer class.	Customer / Connections Test Year average or mid-year	kWh Annual	kW/kVA ⁽¹⁾ Annual	Customer / Connections Test Year average or mid-year	kWh Annual	kW/kVA ⁽¹⁾ Annual	Customer / Connections Test Year average or mid-	kWh Annual	kW/kVA ⁽¹⁾ Annual
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Residential Competitive Sector Multi-Unit Residential GS <50 GS - 50 to 999 GS - 1000 to 4999 Large Use >5MW Street Light Unmetered Scattered Load Unmetered Scattered Load (Connections)	620,899 101.879 71.788 10,341 430 44 166,107 857 12,272	4,386,740,109 313,817,857 2,187,481,667 9,432,138,729 4,387,143,302 1,962,015,257 115,566,836 41,200,600	24,813,648 10,232,645 4,730,195 328,076						
	Total		#######################################	40,104,565		-	-			-

Notes:

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

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Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2023 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 requirem

Stage in Application Process: Initial Application A) Allocated Costs Name of Customer Class (3) Costs Allocated from % Allocated Class % Revenue Requirement Previous Study (1 From Sheet 10, Load Forecast (7A) 42.26% 2.84% 14.58% 23.21% 38.4% 4.3% 15.6% esidential 287.079.871 360,832,613 ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 40,334,605 146,273,232 233,587,071 ompetitive Sector Multi-Unit Residentia 19,267,312 99,019,246 GS <50 GS - 50 to 999 \$ 157,700,127 24.9% 8.8% 4.8% 2.7% 0.5% GS - 1000 to 4999 \$ 55.701.964 8.20% 82.524.126 Large Use >5MW Street Light Unmetered Scattered Load 31,087,389 25,331,820 4,173,832 4.58% 3.73% 0.61% 44,939,828 25,074,140 5,057,990 \$ \$ Inmetered Scattered Load (Connections) 13 14 15 16 17 18 19 20 679.361.561 Total 100.00% \$ 938,623,605 100.0% 938,623,605 Service Revenue \$ Requirement (from Sheet 9)

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. 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. 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 accorbide (1) (2)

(3)

possible

Calculated Class Revenues B)

Name of Customer Class	Load Forecast (LF) current approved rates		LF X current approved rates X (1+d)	LF	X Proposed Rates		Miscellaneous Revenues
	(7B)		(7C)		(7D)		(7E)
1 Residential	\$ 336,775,61	3 \$	351,270,826	\$	351,046,981	\$	19,752,861
2 Competitive Sector Multi-Unit Residentia	\$ 43,803,89	5 \$	45,689,265	\$	45,664,205	\$	1,724,893
3 GS <50	\$ 113,613,32	5 \$	118,503,373	\$	118,435,994	\$	8,383,826
4 GS - 50 to 999	\$ 225,749,05	1 \$	235,465,552	\$	235,495,164	\$	7,532,595
5 GS - 1000 to 4999	\$ 72,417,87	9 \$	75,534,827	\$	75,726,989	\$	1,434,357
6 Large Use >5MW	\$ 35,504,75		37,032,922	\$	37,139,549	\$	587,261
7 Street Light	\$ 16,526,84	3 \$	17,238,183	\$	17,227,775	\$	9,250,510
3 Unmetered Scattered Load 9 Unmetered Scattered Load (Connections	\$ 4,244,39	7 \$	4,427,080	\$	4,425,373	\$	316,681
))						
2							
5							
L							
,							
3							
		_				_	
Total	\$ 848,635,77	3 S	885,162,029	s	885,162,029	s	48,982,986

⁽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.

Columns 7C and 7D - Column Total should equal the Base Revenue Requirement for each.

(6) (7) 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 Column 7E - If using the OEB-issued cost allocation model, enter Miscellaneous Revenues as it appears on worksheet O-1, row 19,

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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: Initial Application C) Rebalancing Revenue-to-Cost Ratios

Name of Customer Class	Previously Approved Ratios Most Recent Year:	Status Quo Ratios (7C + 7E) / (7A)	Proposed Ratios (7D + 7E) / (7A)	Policy Range
	2015			
	%	%	%	%
1 Residential	94.3%	102.8%	102.8%	85 - 115
2 Competitive Sector Multi-Unit Residentia	100.0%	117.6%	117.5%	
3 GS <50	91.5%	86.7%	86.7%	80 - 120
4 GS - 50 to 999	119.0%	104.0%	104.0%	80 - 120
5 GS - 1000 to 4999	101.9%	93.3%	93.5%	80 - 120
6 Large Use >5MW	95.3%	83.7%	83.9%	85 - 115
7 Street Light	82.7%	105.6%	105.6%	80 - 120
8 Unmetered Scattered Load	90.5%	93.8%	93.8%	80 - 120
9 Unmetered Scattered Load (Connection:	5)			
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
0				

(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	Propos	tio	Policy Range	
	Test Year	Price Cap IR Period		
	2020	2021	2022	
Residential	102.8%			85 - 115
Competitive Sector Multi-Unit Residentia	117.5%			
GS <50	86.7%			80 - 120
GS - 50 to 999	104.0%			80 - 120
GS - 1000 to 4999	93.5%			80 - 120
Large Use >5MW	83.9%			85 - 115
Street Light	105.6%			80 - 120
Unmetered Scattered Load	93.8%			80 - 120
Unmetered Scattered Load (Connection:				

(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'.

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2023 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		620,899					
kWh		4,386,740,109					
Proposed Residential Class Specific Revenue	\$	351,046,981.12					
Requirement ¹							
Residential Base Rates on Cu	rrent Ta	riff					
Monthly Fixed Charge (\$)	\$	-					
Distribution Volumetric Rate (\$/kWh)	\$	-					

B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	0	620,899	\$ -	
Variable	0	4,386,740,109	\$ -	
TOTAL	-	-	\$ -	-

C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy Transition Years ²	1
---	---

	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			
Variable			
TOTAL		-	

				Revenue
		Revenue @ new	Final Adjusted	Reconciliation @
	New F/V Split	F/V Split	Base Rates	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)

Contario Energy Board

Revenue Requirement Workform (RRWF) for 2023 Filers

Rate Design and Revenue Reconciliation

This sheet replaces Appendix 2-V, and provides a simplified model for calculating the standard monthly and voluemtric 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 RRWF does not replace the rate generator model that an applicant distributor may use in support of its application. The RRWF 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/PILs, etc.

	Stage in Process: Initial Application			Cla	ass Allocated Reve	nues					Dist	tribution Rates				Revenue Reconcili	ation			
	Customer and Load Forecast		From Sheet 11. Cost Allocation and Sheet 12. Residential Rate Design		Fixed / Variable Splits ² Percentage to be entered as a fraction between 0 and 1															
	Customer Class	Volumetric Charge Determinant	Customers / Connections	kWh	kW or kVA	Total Class Revenue Requirement	Monthly Service Charge	Volumetric	Fixed	Variable	Transformer Ownership Allowance ¹ (\$)	Monthly Serv	No. of	Vol Rate	umetric Ra	No. of	1.013888889	Volumetric	le	ibution Revenues ss Transformer
	From sheet 10. Load Forecast										(),		decimals			decimals	MSC Revenues	revenues	Own	ership Allowance
	Residential Competitive Sector Multi-Unit Residential GS <50 GS - 50 to 999 GS - 1000 to 4999 Large Use >5MW Street Light Unmetered Scattered Load Unmetered Scattered Load (Connections)	kWh kVA kVA kVA kVA kVA kWh	620,899 101,879 71,788 10,341 430 44 166,107 857 12,272 - - - - - - - - - - - - - - - - - -	4,386,740,109 313,817,857 2,187,481,667 9,432,138,729 4,387,143,302 1,962,015,257 115,566,836 41,200,600 - - - - - - - - - - - - - - - - - -	- 24,813,648 10,232,645 4,730,195 328,076 - - - - - - - - - - - - - - - - - - -	\$ 351,046,981 \$ 45,664,205 \$ 118,435,994 \$ 235,495,164 \$ 75,726,989 \$ 37,139,549 \$ 17,227,775 \$ 4,425,373	\$ 351,046,981 \$ 45,664,205 \$ 35,707,207 \$ 7,121,349 \$ 5,067,463 \$ 2,260,352 \$ 3,677,749 \$ 84,909 \$ 122,971	\$ - \$ 82,728,786 \$ 228,373,816 \$ 70,659,526 \$ 34,879,196 \$ 13,550,026 \$ 4,217,493 \$ -	100.00% 100.00% 30.15% 3.02% 6.69% 6.09% 21.35% 1.92% 2.78%	0.00% 0.00% 69.85% 96.98% 93.31% 93.91% 78.65% 95.30%	\$ - \$ - \$ 3,928,646 \$ 5,356,674 \$ 2,906,232 \$ - \$ - \$ -	\$46.47 \$36.84 \$40.88 \$56.60 \$968.61 \$4,222.33 \$1.82 \$8.14 \$0.82		\$0.00000 \$0.003782 \$9.2336 \$7.3270 \$7.8787 \$40.7357 \$0.10236 \$0.00000	/kWh /kWh /kVA /kVA /kVA /kVA /kVA	5 5 4 4 4 5	351,046,981 45,664,205 35,705,437 7,121,157 5,067,445 2,260,354 3,678,166 84,874 122,434 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	**************************************	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	351,046,981.12 45,664,205.38 118,435,993.52 235,494,028.10 75,726,674.92 37,139,518.74 17,228,188.62 4,302,167.87 122,433.65 - - - - - - - -
								т	otal Transformer Ov	vnership Allowance	\$ 12,191,552						Total Distribution Rev	enues	\$	885,160,191.92
Not	es:													Revenues reco materially from check data inpu	revenue ree	quirement -	Base Revenue Require	ement	\$ -\$	889,640,619.91 4,480,427.99
1	Transformer Ownership Allowance is ente	ered as a positive a	amount, and only for	those classes to wh	ich it applies.									shook data inpr			% Difference		÷	-0.504%

² The Fixed/Variable split, for each customer class, drives the "rate generator" portion of the sheet of the RRWF. Only the "fixed" ratio is calcutated as: [MSC x (average number of customers or connections) x 12 months] / (Class Allocated Revenue Requirement).

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Contario Energy Board Revenue Requirement Workform (RRWF) for 2019 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, ucd-relations, 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

			Cost of Capital		Rate Base and Capital Expenditures			Operating Expenses			Revenue Requirement			
	Reference ⁽¹⁾	Item / Description ⁽²⁾	Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)		Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues		
		Original Application	\$ 306,992,506	5.71%	\$5,374,518,672	\$3,864,859,084	\$ 248,247,294	\$ 310,853,964	\$ 35,719,215	\$ 279,372,150	\$ 938,623,605	\$ 48,982,985	\$ 987,606,590	\$ 39,063,327
1		Change												

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 6 ORIGINAL Page 1 of 16

Contario Energy Board Revenue Requirement Workform (RRWF) for 2024 Filers



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Utility Name	Toronto Hydro-Electric System Limited	
Service Territory		
Assigned EB Number	EB-2018-0165	
Name and Title		
Phone Number		
Email Address		
Test Year		
Bridge Year		
Last Rebasing Year	2015	

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.

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2024 Filers

<u>1. Info</u>	8. Rev_Def_Suff
2. Table of Contents	<u>9. Rev_Reqt</u>
3. Data Input Sheet	10. Load Forecast
4. Rate_Base	11. Cost Allocation
5. Utility Income	12. Residential Rate Design
<u>6. Taxes_PILs</u>	13. Rate Design and Revenue Reconciliation
7. Cost_of_Capital	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.

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 6 ORIGINAL Page 3 of 16

Contario Energy Board

Revenue Requirement Workform (RRWF) for 2024 Filers

Data Input (1)

		Initial Application	(2)		(6)	Per Board Decision	
1	Rate Base Gross Fixed Assets (average) Accumulated Depreciation (average) Allowance for Working Capital:	\$7,697,160,940 (\$2,301,158,835)	(5)	######################################		\$7,697,160,940 (\$2,301,158,835)	
	Controllable Expenses Cost of Power Working Capital Rate (%)	\$287,623,441 \$3,666,550,979 6.42%	(9)	\$ 287,623,441 ###############	(9)	\$287,623,441 \$3,666,550,979	(9)
2	Utility Income Operating Revenues:						
	Distribution Revenue at Current Rates Distribution Revenue at Proposed Rates Other Revenue:	\$888,835,029 \$924,276,142					
	Specific Service Charges Late Payment Charges Other Distribution Revenue Other Income and Deductions	\$6,820,809 \$3,888,190 \$38,713,753					
	Total Revenue Offsets	\$49,422,752	(7)				
	Operating Expenses: OM+A Expenses Depreciation/Amortization Property taxes Other expenses	\$281,886,499 \$325,365,901 \$5,736,941		 \$ 281,886,499 \$ 325,365,901 \$ 5,736,941 		\$281,886,499 \$325,365,901 \$5,736,941	
3	Taxes/PILs						
	Taxable Income: Adjustments required to arrive at taxable income	(\$77,248,067)	(3)				
	Utility Income Taxes and Rates: Income taxes (not grossed up)	\$30,994,322					
	Income taxes (grossed up) Federal tax (%) Provincial tax (%) Income Tax Credits	\$42,169,146 15.00% 11.50% (\$2,736,000)					
4	Capitalization/Cost of Capital	(\$2,100,000)					
	Capital Structure: Long-term debt Capitalization Ratio (%) Short-term debt Capitalization Ratio (%) Common Equity Capitalization Ratio (%) Prefered Shares Capitalization Ratio (%)	56.0% 4.0% 40.0%	(8)		(8)		(8)
	Cost of Capital Long-term debt Cost Rate (%) Short-term debt Cost Rate (%) Common Equity Cost Rate (%) Prefered Shares Cost Rate (%)	3.71% 2.61% 8.82%					

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.

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 6 ORIGINAL Page 4 of 16

Contario Energy Board Revenue Requirement Workform (RRWF) for 2024 Filers

Rate Base and Working Capital

	Rate Base						
Line No.	Particulars	_	Initial Application				Per Board Decision
1	Gross Fixed Assets (average)	(2)	\$7,697,160,940	\$ -	\$7,697,160,940	\$ -	\$7,697,160,940
2	Accumulated Depreciation (average)	(2)	(\$2,301,158,835)	\$ -	(\$2,301,158,835)	\$ -	(\$2,301,158,835)
3	Net Fixed Assets (average)	(2)	\$5,396,002,105	\$ -	\$5,396,002,105	\$ -	\$5,396,002,105
4	Allowance for Working Capital	(1)	\$253,984,189	#############	\$ -	\$	\$ -
5	Total Rate Base	=	\$5,649,986,294	#############	\$5,396,002,105	<u> </u>	\$5,396,002,105

(1) Allowance for Working Capital - Derivation

6 7 8	Controllable Expenses Cost of Power Working Capital Base		\$287,623,441 \$3,666,550,979 \$3,954,174,420	\$ - \$ - \$ -	\$287,623,441 \$3,666,550,979 \$3,954,174,420	\$ - \$ - \$ -	\$287,623,441 \$3,666,550,979 \$3,954,174,420
9	Working Capital Rate %	(1)	6.42%	-6.42%	0.00%	0.00%	0.00%
10	Working Capital Allowance		\$253,984,189	#######################################	<u> </u>	\$ -	\$ -

Notes

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.

Toronto Hydro-Electric System Limited EB-2018-0165 Exhibit 6 Tab 1 Schedule 6 ORIGINAL Page 5 of 16

Contario Energy Board Revenue Requirement Workform (RRWF) for 2024 Filers

Utility Income

Line No.	Particulars	Initial Application				Per Board Decision
1	Operating Revenues: Distribution Revenue (at Proposed Rates)	\$924,276,142	(\$924,276,142)	\$ -	\$ -	\$ -
2	Other Revenue (1)	\$49,422,752	(\$49,422,752)	\$ -	\$ -	\$ -
3	Total Operating Revenues	\$973,698,894	(\$973,698,894)	<u> </u>	\$ -	<u> </u>
4 5 6 7 8	Operating Expenses: OM+A Expenses Depreciation/Amortization Property taxes Capital taxes Other expense	\$281,886,499 \$325,365,901 \$5,736,941 \$ - \$ -	\$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$281,886,499 \$325,365,901 \$5,736,941 \$ -	\$ - \$ - \$ - \$ - <u>\$ -</u>	\$281,886,499 \$325,365,901 \$5,736,941 \$ -
9	Subtotal (lines 4 to 8)	\$612,989,342	\$ -	\$612,989,342	\$ -	\$612,989,342
10	Deemed Interest Expense	\$123,395,700	(\$123,395,700)	<u> </u>	\$	<u> </u>
11	Total Expenses (lines 9 to 10)	\$736,385,042	(\$123,395,700)	\$612,989,342	<u>\$ -</u>	\$612,989,342
12	Utility income before income taxes	\$237,313,852	(\$850,303,194)	(\$612,989,342)	\$ -	(\$612,989,342)
13	Income taxes (grossed-up)	\$42,169,146	\$ -	\$42,169,146	\$ -	\$42,169,146
14	Utility net income	\$195,144,706	(\$850,303,194)	(\$655,158,488)	<u> </u>	(\$655,158,488)
<u>Notes</u>	Other Revenues / Revenu	e Offsets				
(1)	Specific Service Charges Late Payment Charges Other Distribution Revenue Other Income and Deductions	\$6,820,809 \$3,888,190 \$38,713,753 \$ -		\$ - \$ - \$ - \$ - \$ -		\$ - \$ - \$ - \$ -
	Total Revenue Offsets	\$49,422,752	<u> </u>	<u> </u>	<u> </u>	<u> </u>

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Contario Energy Board Revenue Requirement Workform (RRWF) for 2024 Filers

Taxes/PILs

Line No.	Particulars	Application		Per Board Decision
	Determination of Taxable Income			
1	Utility net income before taxes	\$199,331,516	\$ -	\$ -
2	Adjustments required to arrive at taxable utility income	(\$77,248,067)	\$ -	\$ -
3	Taxable income	\$122,083,449	<u> </u>	<u> </u>
	Calculation of Utility income Taxes			
4	Income taxes	\$30,994,322	\$30,994,322	\$30,994,322
6	Total taxes	\$30,994,322	\$30,994,322	\$30,994,322
7	Gross-up of Income Taxes	\$11,174,824	\$11,174,824	\$11,174,824
8	Grossed-up Income Taxes	\$42,169,146	\$42,169,146	\$42,169,146
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$42,169,146	\$42,169,146	\$42,169,146
10	Other tax Credits	(\$2,736,000)	(\$2,736,000)	(\$2,736,000)
	Tax Rates			
11 12 13	Federal tax (%) Provincial tax (%) Total tax rate (%)	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%	15.00% 11.50% 26.50%

Notes

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2024 Filers

Capitalization/Cost of Capital

Line No.	Particulars	Capitaliza	ation Ratio	Cost Rate	Return
		Initial A	pplication		
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$3,163,992,324	3.71%	\$117,497,115
2	Short-term Debt	4.00%	\$225,999,452	2.61%	\$5,898,586
3	Total Debt	60.00%	\$3,389,991,776	3.64%	\$123,395,700
	Equity				
4	Common Equity	40.00%	\$2,259,994,517	8.82%	\$199,331,516
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$2,259,994,517	8.82%	\$199,331,516
7	Total	100.00%	\$5,649,986,294	5.71%	\$322,727,217
		(%)	(\$)	(%)	(\$)
1	Debt Long-term Debt	0.00%	\$ -	0.00%	\$ -
2	Short-term Debt		ֆ- \$-	0.00%	5 - \$ -
2	Total Debt	0.00%	\$	0.00%	<u> </u>
5	Total Debt	0.0078	Ψ-	0.0078	ψ-
	Equity				
4	Common Equity	0.00%	\$ -	0.00%	\$ -
5	Preferred Shares	0.00%	<u> </u>	0.00%	<u>\$-</u>
6	Total Equity	0.00%	\$ -	0.00%	\$ -
7	Total	0.00%	\$5,396,002,105	0.00%	<u> </u>
		Per Boar	d Decision		
	Dalit	(%)	(\$)	(%)	(\$)
8	Debt Long-term Debt	0.00%	\$ -	3.71%	\$ -
о 9	Short-term Debt	0.00%	ֆ- \$-	2.61%	5 - \$ -
10	Total Debt	0.00%	\$	0.00%	
-			Ţ		<u> </u>
	Equity	0.0001	-	0.0001	-
11	Common Equity	0.00%	\$ -	8.82%	\$ -
12 13	Preferred Shares	0.00%	<u> </u>	0.00%	<u> </u>
13	Total Equity	0.00%	\$ -	0.00%	\$-
14	Total	0.00%	\$5,396,002,105	0.00%	\$ -
					i

Notes

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Ontario Energy Board

Revenue Requirement Workform (RRWF) for 2024 Filers

Revenue Deficiency/Sufficiency

		Initial Appl	ication			Per Board D	Decision
Line No.	Particulars	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1 2 3	Revenue Deficiency from Below Distribution Revenue Other Operating Revenue Offsets - net	\$888,835,029 \$49,422,752	\$37,752,811 \$886,523,332 \$49,422,752	\$888,835,029 \$ -	<mark>(\$307,419,480)</mark> \$1,231,695,622 \$ -	\$ - \$ -	\$833,999,105 (\$833,999,105) \$ -
4	Total Revenue	\$938,257,781	\$973,698,894	\$888,835,029	\$924,276,142	\$ -	\$ -
5 6 8	Operating Expenses Deemed Interest Expense Total Cost and Expenses	\$612,989,342 \$123,395,700 \$736,385,042	\$612,989,342 \$123,395,700 \$736,385,042	\$612,989,342 \$- \$612,989,342	\$612,989,342 \$ - \$612,989,342	\$612,989,342 <u>\$ -</u> <u>\$612,989,342</u>	\$612,989,342 <u>\$ -</u> \$612,989,342
9	Utility Income Before Income Taxes	\$201,872,739	\$237,313,852	\$275,845,687	\$311,286,800	(\$612,989,342)	(\$612,989,342)
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$77,248,067)	(\$77,248,067)	(\$77,248,067)	(\$77,248,067)	\$ -	\$ -
11	Taxable Income	\$124,624,672	\$160,065,785	\$198,597,620	\$234,038,733	(\$612,989,342)	(\$612,989,342)
12 13	Income Tax Rate Income Tax on Taxable Income	26.50% \$33,025,538	26.50% \$42,417,433	26.50% \$52,628,369	26.50% \$62,020,264	26.50% \$ -	26.50% \$ -
14 15	Income Tax Credits Utility Net Income	(\$2,736,000) \$171,583,201	(\$2,736,000) \$195,144,706	(\$2,736,000) \$225,953,318	(\$2,736,000) (\$655,158,488)	\$ - (\$612,989,342)	\$ - (\$655,158,488)
16	Utility Rate Base	\$5,649,986,294	\$5,649,986,294	\$5,396,002,105	\$5,396,002,105	\$5,396,002,105	\$5,396,002,105
17	Deemed Equity Portion of Rate Base	\$2,259,994,517	\$2,259,994,517	\$ -	\$ -	\$ -	\$ -
18	Income/(Equity Portion of Rate Base)	7.59%	8.63%	0.00%	0.00%	0.00%	0.00%
19	Target Return - Equity on Rate Base	8.82%	8.82%	0.00%	0.00%	0.00%	0.00%
20	Deficiency/Sufficiency in Return on Equity	-1.23%	-0.19%	0.00%	0.00%	0.00%	0.00%
21 22	Indicated Rate of Return Requested Rate of Return on Rate Base	5.22% 5.71%	5.64% 5.71%	4.19% 0.00%	0.00% 0.00%	-11.36% 0.00%	0.00% 0.00%
23	Deficiency/Sufficiency in Rate of Return	-0.49%	-0.07%	4.19%	0.00%	-11.36%	0.00%
24 25 26	Target Return on Equity Revenue Deficiency/(Sufficiency) Gross Revenue Deficiency/(Sufficiency)	\$199,331,516 \$27,748,316 \$37,752,811 ⁽¹⁾	\$199,331,516 (\$4,186,810)	\$ - (\$225,953,318) (\$307,419,480) ⁽¹⁾	\$ - \$ -	\$ - \$612,989,342 \$833,999,105 ⁽¹⁾	\$ - \$ -

Notes:

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

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2024 Filers

Revenue Requirement

Line No.	Particulars	Application			Per Board Decision	
1	OM&A Expenses	\$281,886,499	\$	281,886,499	\$281,886,499	
2	Amortization/Depreciation	\$325,365,901	\$	325,365,901	\$325,365,901	
3	Property Taxes	\$5,736,941		\$5,736,941	\$5,736,941	
5	Income Taxes (Grossed up)	\$42,169,146		\$42,169,146	\$42,169,146	
6	Other Expenses	\$ -				
7	Return					
	Deemed Interest Expense	\$123,395,700		\$ -	\$ -	
	Return on Deemed Equity	\$199,331,516		\$ -	\$ -	
8	Service Revenue Requirement					
U	(before Revenues)	\$977,885,705	\$	655,158,488	\$655,158,488	
9	Revenue Offsets	\$49,422,752		\$ -	\$ -	
10	Base Revenue Requirement	\$928,462,953	\$	655,158,488	\$655,158,488	
	(excluding Tranformer Owership Allowance credit adjustment)					
11	Distribution revenue	\$924,276,142		\$ -	\$ -	
12	Other revenue	\$49,422,752		\$ -	\$ -	
13	Total revenue	\$973,698,894		\$ -	\$ -	
14	Difference (Total Revenue Less Distribution Revenue Requirement					
	before Revenues)	(\$4,186,810)	(1) (\$	655,158,488)	(1) (\$655,158,488)	(1)

Summary Table of Revenue Requirement and Revenue Deficiency/Sufficiency

	Application		Δ% ⁽²⁾	Per Board Decision	Δ% (2
Service Revenue Requirement Grossed-Up Revenue	\$977,885,705	\$655,158,488	(\$0)	\$655,158,488	(\$1
Deficiency/(Sufficiency)	\$37,752,811	(\$307,419,480)	(\$9)	\$833,999,105	(\$1)
Base Revenue Requirement (to be					
Dase Revenue Requirement (to be					
recovered from Distribution Rates) Revenue Deficiency/(Sufficiency)	\$928,462,953	\$655,158,488	(\$0)	\$655,158,488	(\$1
recovered from Distribution Rates)	\$928,462,953	\$655,158,488	(\$0)	\$655,158,488	(\$1

Notes

(1) Line 11 - Line 8

(2) Percentage Change Relative to Initial Application

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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 andf trends from historical actuals to the Bridge and Test Year forecasts.

Stage in Process:		Initial Application							
Customer Class		Initial Application					Per	Board Decision	
Input the name of each customer class.	Customer / Connections Test Year average or mid-year	kWh Annual	kW/kVA ⁽¹⁾ Annual	Customer / Connections Test Year average or mid-year	kWh Annual	kW/kVA ⁽¹⁾ Annual	Customer / Connections Test Year average or mid-year	kWh Annual	kW/kVA ⁽¹⁾ Annual
Residential Competitive Sector Multi-Unit Residential GS <50 GS - 50 to 999 GS - 1000 to 4999 Large Use >5MW Street Light Unmetered Scattered Load Unmetered Scattered Load (Connections)	622,544 107,796 71,885 10,330 430 44 166,375 857 12,272	4,366,437,563 328,419,229 2,169,915,395 9,419,379,152 4,351,721,474 1,956,322,242 116,138,779 41,313,479	24,875,671 10,228,471 4,733,922 328,561						
Total		22,749,647,312	40,166,624		-			-	

Notes:

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

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2024 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: Initial Application

A)	Allocated Costs	

Name of Customer Class ⁽³⁾	Costs Allocated from Previous Study ⁽¹⁾	%	Allocated Class Revenue Requirement	%
From Sheet 10. Load Forecast			(1) (7A)	
Residential	\$ 287,079,871	42.26%	\$ 375,926,040	38.4%
Competitive Sector Multi-Unit Residentia	\$ 19,267,312	2.84%	\$ 42,021,779	4.3%
GS <50	\$ 99,019,246	14.58%	\$ 152,391,759	15.6%
GS - 50 to 999	\$ 157,700,127	23.21%	\$ 243,357,888	24.9%
GS - 1000 to 4999	\$ 55,701,964	8.20%	\$ 85,976,064	8.8%
Large Use >5MW	\$ 31,087,389	4.58%	\$ 46,819,636	4.8%
Street Light	\$ 25,331,820	3.73%	\$ 26,122,977	2.7%
Unmetered Scattered Load Unmetered Scattered Load (Connection	\$ 4,173,832 s)	0.61%	\$ 5,269,563	0.5%
Total	\$ 679,361,561	100.00%	\$ 977,885,705	100.0%
		Service Revenue Requirement (from Sheet 9)	\$ 977,885,705	

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. 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. 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 (1)

(2)

(3) possible.

Calculated Class Revenues B)

Name of Customer Class	Load Forecast (LF current approve rates		LF X current approved rates X (1+d)	LF X	Proposed Rates	N	liscellaneous Revenues
	(7B)		(7C)		(7D)		(7E)
Residential	\$ 352,011,2	79 \$	366,043,682	\$	365,837,982	\$	19,930,202
Competitive Sector Multi-Unit Residentia	\$ 48,314,1	67 \$	50,240,139	\$	50,218,024	\$	1,740,379
GS <50	\$ 117,821,7	99 \$	122,518,589	\$	122,461,164	\$	8,459,096
GS - 50 to 999	\$ 236,050,5	26 \$	245,460,327	\$	245,490,240	\$	7,600,223
GS - 1000 to 4999	\$ 75,687,0	90 \$	78,704,243	\$	78,883,982	\$	1,447,235
Large Use >5MW	\$ 37,160,5	02 \$	38,641,850	\$	38,741,455	\$	592,534
Street Light	\$ 17,263,4	27 \$	17,951,607	\$	17,928,726	\$	9,333,561
Unmetered Scattered Load	\$ 4,435,1	47 \$	4,611,947	\$	4,610,813	\$	319,524
Unmetered Scattered Load (Connections	5)						
2							
3							
5							
6							
7							
3							
9							
)						_	
Total	\$ 888,743,9	38 \$	924.172.386	\$	924.172.386	\$	49,422,753

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 (4) quantities should be net of the Transformer Ownership Allowance for applicable customer classes. Exclude revenues from rate adders and rate riders.

Columns 7C and 7D - Column Total should equal the Base Revenue Requirement for each. (5)

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. (6)

(7) Column 7E - If using the OEB-issued cost allocation model, enter Miscellaneous Revenues as it appears on worksheet O-1, row 19,

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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: Initial Application

C) Rebalancing Revenue-to-Cost Ratios

Name of Customer Class	Previously Approved Ratios	Status Quo Ratios	Proposed Ratios	Policy Range	
	Most Recent Year: 2015				
	%	%	%	%	
1 Residential	94.3%	102.7%	102.6%	85 - 115	
2 Competitive Sector Multi-Unit Residentia	100.0%	123.7%	123.6%		
3 GS <50	91.5%	85.9%	85.9%	80 - 120	
4 GS - 50 to 999	119.0%	104.0%	104.0%	80 - 120	
5 GS - 1000 to 4999	101.9%	93.2%	93.4%	80 - 120	
6 Large Use >5MW	95.3%	83.8%	84.0%	85 - 115	
7 Street Light	82.7%	104.4%	104.4%	80 - 120	
8 Unmetered Scattered Load	90.5%	93.6%	93.6%	80 - 120	
9 Unmetered Scattered Load (Connection	s)				
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
0					

(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.

(10) 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	Propos	Proposed Revenue-to-Cost Ratio						
	Test Year	Price Cap IR	Period					
	2020	2021	2022					
Residential	102.6%			85 - 115				
Competitive Sector Multi-Unit Residentia	123.6%							
3 GS <50	85.9%			80 - 120				
GS - 50 to 999	104.0%			80 - 120				
5 GS - 1000 to 4999	93.4%			80 - 120				
Large Use >5MW	84.0%			85 - 115				
Street Light	104.4%			80 - 120				
3 Unmetered Scattered Load	93.6%			80 - 120				
Unmetered Scattered Load (Connection								
2								
3								
1								
5								
5								
7								
3								
9								

(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'.

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2024 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		622,544						
kWh		4,366,437,563						
Proposed Residential Class Specific Revenue	\$	365,837,981.60						
Requirement ¹								
Residential Base Rates on Cu	rrent Ta	riff						
Monthly Fixed Charge (\$)	\$	37.98						
Distribution Volumetric Rate (\$/kWh)	\$	0.00552						

B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	37.98	622,544	\$ 283,730,653.44	92.17%
Variable	0.00552	4,366,437,563	\$ 24,102,735.35	7.83%
TOTAL	-	-	\$ 307,833,388.79	-

C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy	
Transition Years ²	1

	est Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	 Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 337,193,603.27	45.14	\$ 337,219,633.92
Variable	\$ 28,644,378.33	0.0066	\$ 28,818,487.91
TOTAL	\$ 365,837,981.60	-	\$ 366,038,121.83

				Revenue
		Revenue @ new	Final Adjusted	Reconciliation @
	New F/V Split	F/V Split	Base Rates	Adjusted Rates
Fixed	100.00%	\$ 365,837,981.60	\$ 48.97	\$ 365,831,756.16
Variable	0.00%	\$ -	\$ -	\$ -
TOTAL	-	\$ 365,837,981.60	-	\$ 365,831,756.16

Checks ³					
Change in Fixed Rate	\$	3.83			
Difference Between Revenues @ Proposed Rates		(\$6,225.44)			
and Class Specific Revenue Requirement		0.00%			

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)

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Contario Energy Board

Revenue Requirement Workform (RRWF) for 2024 Filers

New Rate Design Policy For Competitive Sector Multi-Unit Customers (CSMUR)

Please complete the following tables.

A Data Inputs (from Sheet 10. Load Forecast)

Test Year Billing Determinants for CSMUR								
Customers		85,161						
kWh	277,12							
Proposed CSMUR Class Specific Revenue Requirement ¹	\$	34,812,874.82						
CSMUR Base Rates on Current Tariff								
Monthly Fixed Charge (\$)	\$	30.98						
Distribution Volumetric Rate (\$/kWh)	\$	0.00845						

B Current Fixed/Variable Split

	Base Rates	Billing Determinants	Revenue	% of Total Revenue
Fixed	30.98	85,161	\$ 31,659,453.36	93.11%
Variable	0.00845	277,127,203	\$ 2,341,724.87	6.89%
TOTAL	-	-	\$ 34,001,178.23	-

C Calculating Test Year Base Rates

Number of Remaining Rate Design Policy	
Transition Years ²	1

	est Year Revenue @ Current F/V Split	Test Year Base Rates @ Current F/V Split	Reconciliation - Test Year Base Rates @ Current F/V Split
Fixed	\$ 32,415,246.89	31.72	\$ 32,415,683.04
Variable	\$ 2,397,627.93	0.0087	\$ 2,411,006.67
TOTAL	\$ 34,812,874.82	-	\$ 34,826,689.71

						Revenue			
		Revenue @ new		Final Adjusted	Reconciliation @				
	New F/V Split	F/V Split		Base Rates		Adjusted Rates			
Fixed	100.00%	\$ 34,812,874.82	\$	34.07	\$	34,817,223.24			
Variable	0.00%	\$ -	\$	-	\$	-			
TOTAL	-	\$ 34,812,874.82		-	\$	34,817,223.24			

Checks ³										
Change in Fixed Rate	\$	2.35								
Difference Between Revenues @ Proposed Rates		\$4,348.42								
and Class Specific Revenue Requirement		0.01%								

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)

Contario Energy Board

Revenue Requirement Workform (RRWF) for 2024 Filers

Rate Design and Revenue Reconciliation

This sheet replaces Appendix 2-V, and provides a simplified model for calculating the standard monthly and voluemtric 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 RRWF does not replace the rate generator model that an applicant distributor may use in support of its application. The RRWF 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/PILs, etc.

5	Stage in Process: Initial Application						ss Allocated Rever	iues					Dis	stribution Rates			I	Revenue Reconcilia	tion	
		Customer and Lo	ad Forecast				From Sheet 11. Cost Allocation and Sheet 12. Residential Rate Design		Fixed / Variable Splits ² Percentage to be entered as a fraction between 0 and 1											
C	Customer Class	Volumetric Charge Determinant	Customers / Connections	kWh	kW or kVA	Total Class Revenue Requirement	Monthly Service Charge	Volumetric	Fixed	Variable	Transformer Ownership	Monthly Serv	rice Charge No. of		umetric Rate	e No. of	1.013888889	Volumetric		ibution Revenues
F	From sheet 10. Load Forecast	Determinant				Requirement					Allowance ¹ (\$)	Rate	decimals	Rate		decimals	MSC Revenues	revenues	Own	ership Allowance
2 0 3 0 4 0 5 0 6 L 7 5 8 U	Residential Competitive Sector Multi-Unit Residential 3S <50 3S - 50 to 999 3S - 1000 to 4999 .arge Use >5MW Street Light Jnmetered Scattered Load Jnmetered Scattered Load (Connections)	kWh kWh kVA kVA kVA kVA kVA kWh	622,544 107,796 71,885 10,330 430 44 166,375 857 12,272 - - - - - - - - - - - - - - - - - -	4,366,437,563 328,419,229 2,169,915,395 9,419,379,152 4,351,721,474 1,956,322,242 116,138,779 41,313,479 - - - - - - - - - - - - - - - - - - -	- 24,875,671 10,228,471 4,733,922 328,561 - - - - - - - - - - - - - - - - - - -	\$ 365,837,982 \$ 50,218,024 \$ 122,461,164 \$ 245,490,240 \$ 78,883,982 \$ 38,741,455 \$ 17,928,726 \$ 4,610,813	\$ 365,837,982 \$ 50,218,024 \$ 35,898,553 \$ 7,557,853 \$ 5,612,168 \$ 2,533,814 \$ 3,847,064 \$ 88,189 \$ 130,188	\$ - \$ 86,562,61 \$ 237,932,387 \$ 73,271,814 \$ 36,207,641 \$ 14,081,662 \$ 4,392,436 \$ -	100.00% 100.00% 29.31% 3.08% 7.11% 6.54% 21.46% 1.91% 2.82%	0.00% 0.00% 70.69% 96.92% 93.46% 78.54% 95.26%	\$ - \$ - \$ 3,941,533 \$ 5,440,129 \$ 2,942,549 \$ - \$ - \$ - \$ -	\$48.30 \$38.29 \$41.05 \$60.13 \$1,072.73 \$4,733.15 \$1.90 \$8.46 \$0.87		\$0.00000 \$0.03989 \$9.5901 \$7.5900 \$8.1568 \$42.2715 \$0.10632 \$0.00000	/kWh /kWh /kVA /kVA /kVA /kVA /kWh	5 5 4 4 4 5	365,837,982 50,218,024 35,902,364 7,557,239 5,612,166 2,533,813 3,846,039 88,211 129,899 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	- 86,557,925 241,873,508 78,712,343 39,149,953 14,081,666 4,392,449 - - - - - - - - - - - - - - - - - -	\$\$\$\$\$\$\$\$\$\$\$\$\$\$	365,837,981.60 50,218,024.22 122,460,289.33 245,489,213.88 78,884,380.03 38,741,217.19 17,927,705.11 4,480,660.06 129,899.12 - - - - - - - - - - -
								٦	otal Transformer Own	ership Allowance	\$ 12,324,211						Total Distribution Reven	nues	\$	924,169,370.54
Notes:														Rates recover r	evenue requ	irement	Base Revenue Requirer	nent	\$	928,462,952.64
	Dif													Difference % Difference		-\$	4,293,582.10 -0.462%			

² The Fixed/Variable split, for each customer class, drives the "rate generator" portion of the sheet of the RRWF. Only the "fixed" ratio is calcutated as: [MSC x (average number of customers or connections) x 12 months] / (Class Allocated Revenue Requirement).

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Contario Energy Board Revenue Requirement Workform (RRWF) for 2019 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, ucd-relations, 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

			Cost of	Capital	Rate Base	e and Capital Exp	enditures	Ор	erating Expens	es	Revenue Requirement				
	Reference ⁽¹⁾	Item / Description ⁽²⁾	Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)		Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues			
		Original Application	\$ 322,727,217	5.71%	\$5,649,986,294	\$3,954,174,420	\$ 253,984,189	\$ 325,365,901	\$ 42,169,146	\$ 281,886,499	\$ 977,885,705	\$ 49,422,752	\$ 928,462,953	\$ 37,752,811	
1		Change													