EXHIBIT 7 – COST ALLOCATION

2024 Cost of Service

Tillsonburg Hydro Inc.
EB-2023-0053

TABLE OF CONTENTS

1. COST ALLOCATION STUDY REQUIREMENTS

1.1 Introduction

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

In this application, Tillsonburg Hydro Inc. ("THI") has used the 2024 version of the cost allocation model released by the OEB on June 23, 2023 to conduct a 2024 test year cost allocation study consistent with the OEB's cost allocation policies. The model has been loaded with 2024 test year costs, customer numbers and demand values relevant to THI. The 2024 demand values were determined based on the description provided under the Load Profiles section of this Exhibit. The various weighting factors used in the 2024 study are also explained below.

1.2 Load Profiles

In preparing this Application, THI assessed available methodologies to prepare updated load profiles for its rate classes based on more recent data, and is of the view that the most appropriate methodology is the Historical Average approach using weather-actual data outlined in section 2.7.1.1 of the Filing Requirements. To prepare updated load profiles utilizing this method, a minimum of three years of hourly data is required, with five years of hourly data being optimal. At the time of preparing Cost Allocation and its inputs, THI only had two years of data available.

THI determined that the most appropriate course of action was to leverage a simplified version of the method used in its 2013 Cost of Service ("COS") application to determine the demand data for the 2024 Model. The original method involves scaling the 2004 weather normalized volumes supporting the 2004 load profiles to determine an estimate of the 2024 weather normalized load profiles. In its simplified approach, THI relied on the 2013 Demand Allocators themselves (i.e. 1, 4, and 12 Coincident Peak and Non-Coincident Peak), and scaled them upwards proportionate to its 2024 Load Forecast outlined in Exhibit 3.

To accomplish this, THI determined a scaling factor by rate class by comparing the 2013 and 2024 forecast kWh by rate class, as shown in Table 7-1 below. The hourly 2004 demand provided by Hydro One is pro-rated such that total annual consumption matches THI's 2024 test year load

forecast consumption by rate class. THI has provided an Excel spreadsheet named "THI_2024_Demand_Allocators_20240430" as Appendix A to this Exhibit to show how the 2024 demand data is determined.

Table 7-1 Load Profile Scaling Factors

Rate Class	2013 Weather Normal Values (kWh)	2024 Weather Normal Values (kWh)	Scaling Factor
Residential	49,906,667	61,627,888	123.5%
GS < 50 kW	22,650,334	23,022,735	101.6%
GS 50-499 kW	38,065,105	51,946,339	136.5%
GS 500-1499 kW	36,286,504	19,312,053	53.2%
GS 1500-4999kW	34,524,454	17,727,224	51.3%
USL	421,538	331,791	78.7%
Sentinel Lighting	116,952	71,581	61.2%
Streetlighting	1,405,153	619,623	44.1%
Total	**183,376,707**	**174,659,234**	

For its next COS application, THI commits to the development of updated load profiles based on available methodologies at that time, which THI expects will include its preferred Historical Average approach. THI confirms that the required data is currently being collected, and will continue to be collected, to inform updated load profiles utilizing this methodology.

1.3 Cost Allocation Inputs / Weighting Factors

1.3.1 Services (Sheet I5.2)

THI assessed the Services Weighting Factors relied upon in its 2013 Cost Allocation study, and found them to be reasonable for the purposes of establishing rates in this Application.

As per the suggested methodology in the Cost Allocation instruction sheet the Residential class was given a weighting factor of 1.0. Services for larger General Service customers involves significantly more work than Residential and GS <50kW servicing both from a design and construction perspective, but due to the ownership rules for these services, THI does not own the assets that would be charged against the Services account and therefore GS 500-1,499kW and

GS 1500-4,999kW have been assigned a factor of 0.0, with GS 50-499kW assigned a factor of 0.2. Unmetered Scattered Load ("USL"), Sentinel lights, and Street lights were given a factor of 0.1 as these service connections are infrequent and less complex in nature.

Table 7-2 Weighting Factors for Services

Rate Class	Weighting Factors for Services
Residential	1.0
GS < 50 kW	0.6
GS 50-499 kW	0.2
GS 500-1499 kW	0.0
GS 1500-4999kW	0.0
USL	0.1
Sentinel Lighting	0.1
Streetlighting	0.1

1.3.2 Billing and Collection (Sheet I5.2)

THI assessed the Billing and Collection Weighting Factors relied upon in its 2013 Cost Allocation study, and found them to be reasonable for the purposes of establishing rates in this Application.

In assessing the reasonableness of the Weighting Factors applied for Billing and Collection, THI considered items such as:

- The amount of administrative tracking required in the managing of the connections related to Unmetered Scattered Load, Streetlights and Sentinel Lights, such as additions and deletions;
- The amount of time required to bill an interval customer relative to a non-interval;
- Monitoring kVa demand to ensure proper classification of GS customers amongst THI's 4 GS rate classes.

Table 7-3 below presents the Billing and Collection Weighting Factors relied upon for cost allocation purposes.

Table 7-3: Billing and Collection Weighting Factors

Meter Type	Weighting Factors for Billing and Collection
Residential	1.0
GS < 50 kW	0.9
GS 50-499 kW	3.4
GS 500-1499 kW	11.8
GS 1500-4999kW	12.6
USL	0.7
Sentinel Lighting	0.7
Streetlighting	7.9

1.3.3 Meter Capital (Sheet I7.1)

THI has updated Sheet I7.1 to reflect current customer and meter count in alignment with its Load Forecast described in Exhibit 3, as well as estimated typical installation cost by rate class for the 2024 Test Year.

Table 7-4: Meter Capital Installation Costs

Meter Type	Installation Cost per Meter
Single Phase 200 Amp - Rural	231
Network Meter	283
Three-phase - No demand	769
Demand with IT and Interval Capability - Secondary	2,050
Demand with IT and Interval Capability - Primary	25,930
THI Specific Smart Meter 1	631
THI Specific Smart Meter 2	769
THI Specific Smart Meter 3	2,050

1.3.4 Meter Reading (Sheet I7.2)

THI completed an analysis of the costs included in meter reading, and assessed Residential, GS<50kW and GS 50-499kW should be assigned the same weighting of 1.00 given that all customers now have smart meters. To address the complexities associated with the larger GS 500-1,499kW and GS 1,500-4999kW rate classes, a weighting of 10.00 was assigned.

Table 7-5: Meter Reading Weighting Factor

Meter Type	Weighting Factors for Meter Reading
Smart Meter	1.00
Smart Meter with Demand	1.00
THI Specific: GS500-1,499 & =>1,500kW	10.00

1.3.8 MicroFIT Class

THI is not seeking approval for a distributor-specific MicroFIT rate, and will utilize the OEB's established generic rate, recording revenues as a revenue offset in Account 4235 as confirmed in Exhibit 6.

1.3.9 Standby Rates

THI is not seeking approval for standby rates in this application.

1.3.10 New Customer Class

THI is not proposing to include a new customer class.

1.3.11 Eliminated Customer Class

THI is not proposing to eliminate any customer class.

2. CLASS REVENUE REQUIREMENTS

2.1 Class Revenue Requirements

The data used in the updated cost allocation study is consistent with THI's cost data that supports the proposed THI revenue requirement outlined in this application. The breakout of assets, capital contributions, depreciation, accumulated depreciation, customer data and load data by primary, line transformer and secondary categories were developed from the best data available to THI, its engineering records, and its customer and financial information systems. An Excel version of the updated cost allocation study has been included as Appendix B to this Exhibit (THI_2024_Cost_Allocation_Model_20240430).

Capital contributions, depreciation and accumulated depreciation by USoA are consistent with the information provided in the THI continuity statement shown in Exhibit 2. The rate class customer

data used in the updated cost allocation study is consistent with the THI customer forecast outlined in Exhibit 3.

The following table provides the allocated cost by rate class from the approved 2013 cost allocation study and the updated 2024 study.

Table 7-6: Allocated Cost

(Consistent with RRWF, Tab 11 Cost Allocation, Allocated Costs)

Rate Class	2013 Board Approved Cost Allocation Study	%	Cost Allocated in the 2024 Study	%
Residential	$2,210,132	61.8%	$3,930,355	69.4%
GS < 50 kW	$618,921	17.3%	$637,064	11.3%
GS 50-499 kW	$365,063	10.2%	$811,040	14.3%
GS 500-1499 kW	$170,642	4.8%	$112,709	2.0%
GS 1500-4999kW	$137,258	3.8%	$101,309	1.8%
USL	$9,524	0.3%	$15,031	0.3%
Sentinel Lighting	$16,045	0.4%	$28,457	0.5%
Streetlighting	$47,170	1.3%	$25,028	0.4%
Total	**$3,574,755**	**100.0%**	**$5,660,994**	**100.0%**

3. REVENUE-TO-COST RATIOS

3.1 Revenue to Cost Ratios

The results of a cost allocation study are typically presented in the form of revenue to cost ratios. The ratio is shown by rate classification and is the percentage of distribution revenue collected by rate classification compared to the costs allocated to the classification. The percentage identifies the rate classifications that are being subsidized and those that are over-contributing. A percentage of less than 100% means the rate classification is under-contributing and is being subsidized by other classes of customers. A percentage of greater than 100% indicates the rate classification is over-contributing and is subsidizing other classes of customers.

In the March 31, 2011 Board Report, the Board established what it considered to be the appropriate ranges of revenue to cost ratios which are summarized in Table 7-7 below. In addition, Table 7-7 provides THI's approved revenue to cost ratios from the approved 2013 CoS application, the updated 2024 cost allocation study and the proposed 2024 to 2028 ratios.

Table 7-7: Revenue to Cost Ratios

(Consistent with RRWF, Tab 11 Cost Allocation, Proposed & Rebalancing Revenue to Cost Ratios)

Rate Class	2013 Board Approved	2024 Updated Cost Allocation Study	2024 Proposed Ratios	2024 to 2028 Proposed Ratios	Board Targets Min to Max	
Residential	96.3%	95.3%	96.3%	96.3%	85.0%	115.0%
GS < 50 kW	107.6%	139.4%	120.0%	120.0%	80.0%	120.0%
GS 50-499 kW	96.3%	79.6%	96.3%	96.3%	80.0%	120.0%
GS 500-1499 kW	107.4%	143.1%	120.0%	120.0%	80.0%	120.0%
GS 1500-4999kW	120.0%	143.7%	120.0%	120.0%	80.0%	120.0%
USL	120.0%	88.1%	96.3%	96.3%	80.0%	120.0%
Sentinel Lighting	60.0%	45.4%	96.3%	96.3%	80.0%	120.0%
Streetlighting	120.0%	191.9%	120.0%	120.0%	80.0%	120.0%

The THI cost allocation study indicates the revenue to cost ratio for the following rate classes were outside of the OEB's identified ranges:

- GS <50kW (above 120%)
- GS 50-499kW (below 80%)
- GS 500-1,499kW (above 120%)
- GS 1500-4,999kW (above 120%)
- Sentinel Lighting (below (80%)
- Streetlighting (above 120%)

To rebalance revenue to cost ratios within the OEB's identified ranges, THI first adjusted the ratio's of GS<50kW, GS 500-1,499kW, GS 1,500-4,999kW and Streetlighting downward to a revenue to cost ratio of 120%. Subsequently, GS 50-499kW and Sentinel Lighting revenue to cost ratios were increased to 80%, however costs remained unrecovered absent further adjustments. THI adjusted Residential, GS 50-499kW, USL and Sentinel Lights upward to the point of revenue neutrality, which was reached at a revenue to cost ratio for these rate classes of 96.3%.

The following Table 7-8 provides information on the calculated class revenue. The resulting THI proposed base revenue will be the amount used in Exhibit 8 to design the proposed distribution charges in this application. THI submits that this is a fair and reasonable approach to define the revenue requirement by rate class.

Table 7-8: Calculated Class Revenue

(Consistent with RRWF, Tab 11 Cost Allocation, Calculated Class Revenues)

Rate Class	2024 Base Revenue at Existing Rates	2024 Proposed Base Revenue Allocated at Existing Rates Proportion	2024 Proposed Base Revenue	Miscellaneous Revenue
Residential	$2,890,071	$3,393,623	$3,434,300	$352,101
GS < 50 kW	$714,056	$838,470	$714,599	$49,902
GS 50-499 kW	$504,171	$592,016	$727,607	$53,738
GS 500-1499 kW	$129,663	$152,255	$126,186	$9,065
GS 1500-4999kW	$117,478	$137,946	$113,883	$7,683
USL	$10,033	$11,781	$13,021	$1,460
Sentinel Lighting	$8,566	$10,058	$24,541	$2,875
Streetlighting	$39,374	$46,235	$28,247	$1,786
Total	**$4,413,412**	**$5,182,383**	**$5,182,383**	**$478,611**

APPENDIX A: DEMAND ALLOCATORS
(THI_2024_DEMAND_ALLOCATORS_20240430)

Customer Classes		Total	1 Residential	GS<50 kW	GS 50-500 kW	GS 500-1500	GS>1500 kW	Street Light	Sentinel	Unmetered Scattered Load
CO-INCIDENT PEAK										
1 CP										
Transformation CP	TCP1	33,912	12,586	4,008	6,808	5,423	5,037	-	-	50
Bulk Delivery CP	BCP1	33,912	12,586	4,008	6,808	5,423	5,037	-	-	50
Total Sytem CP	DCP1	33,912	12,586	4,008	6,808	5,423	5,037	-	-	50
4 CP										
Transformation CP	TCP4	127,825	43,884	17,449	27,714	19,366	19,212	-	-	200
Bulk Delivery CP	BCP4	127,825	43,884	17,449	27,714	19,366	19,212	-	-	200
Total Sytem CP	DCP4	127,825	43,884	17,449	27,714	19,366	19,212	-	-	200
12 CP										
Transformation CP	TCP12	349,185	106,776	44,996	75,705	60,651	59,513	887	75	582
Bulk Delivery CP	BCP12	349,185	106,776	44,996	75,705	60,651	59,513	887	75	582
Total Sytem CP	DCP12	349,185	106,776	44,996	75,705	60,651	59,513	887	75	582
NON CO_INCIDENT PEAK										
1 NCP										
Classification NCP from Load Data Provider	DNCP1	37,628	12,684	5,042	7,559	6,110	5,823	329	27	54
Primary NCP	PNCP1	37,628	12,684	5,042	7,559	6,110	5,823	329	27	54
Line Transformer NCP	LTNCP1	25,010	12,684	5,042	5,896	978		329	27	54
Secondary NCP	SNCP1	18,590	12,684	5,042	454			329	27	54
4 NCP										
Classification NCP from Load Data Provider	DNCP4	142,955	47,503	18,350	28,955	23,882	22,650	1,296	109	210
Primary NCP	PNCP4	142,955	47,503	18,350	28,955	23,882	22,650	1,296	109	210
Line Transformer NCP	LTNCP4	93,874	47,503	18,350	22,585	3,821		1,296	109	210
Secondary NCP	SNCP4	69,205	47,503	18,350	1,737			1,296	109	210
12 NCP										
Classification NCP from Load Data Provider	DNCP12	482,131	119,705	59,699	92,367	137,267	68,312	3,896	297	588
Primary NCP	PNCP12	482,131	119,705	59,699	92,367	137,267	68,312	3,896	297	588
Line Transformer NCP	LTNCP12	278,194	119,705	59,699	72,046	21,963		3,896	297	588
Secondary NCP	SNCP12	189,727	119,705	59,699	5,542			3,896	297	588

Customer Classes		Total	1 Residential	GS<50 kW	GS 50-500 kW	GS 500-1500	GS>1500 kW	Street Light	Sentinel	Unmetered Scattered Load
CO-INCIDENT PEAK										
1 CP										
Transformation CP	TCP1	34,418	15,542	4,074	9,291	2,886	2,586	-	-	39
Bulk Delivery CP	BCP1	34,418	15,542	4,074	9,291	2,886	2,586	-	-	39
Total Sytem CP	DCP1	34,418	15,542	4,074	9,291	2,886	2,586	-	-	39
4 CP										
Transformation CP	TCP4	130,076	54,191	17,736	37,820	10,307	9,865	-	-	157
Bulk Delivery CP	BCP4	130,076	54,191	17,736	37,820	10,307	9,865	-	-	157
Total Sytem CP	DCP4	130,076	54,191	17,736	37,820	10,307	9,865	-	-	157
12 CP										
Transformation CP	TCP12	344,634	131,854	45,736	103,312	32,279	30,558	391	46	458
Bulk Delivery CP	BCP12	344,634	131,854	45,736	103,312	32,279	30,558	391	46	458
Total Sytem CP	DCP12	344,634	131,854	45,736	103,312	32,279	30,558	391	46	458
NON CO_INCIDENT PEAK										
1 NCP										
Classification NCP from Load Data Provider	DNCP1	37,549	15,663	5,125	10,316	3,252	2,990	145	17	43
Primary NCP	PNCP1	37,549	15,663	5,125	10,316	3,252	2,990	145	17	43
Line Transformer NCP	LTNCP1	37,549	15,663	5,125	10,316	3,252	2,990	145	17	43
Secondary NCP	SNCP1	37,549	15,663	5,125	10,316	3,252	2,990	145	17	43
4 NCP										
Classification NCP from Load Data Provider	DNCP4	141,969	58,660	18,652	39,514	12,710	11,630	571	67	165
Primary NCP	PNCP4	141,969	58,660	18,652	39,514	12,710	11,630	571	67	165
Line Transformer NCP	LTNCP4	141,969	58,660	18,652	39,514	12,710	11,630	571	67	165
Secondary NCP	SNCP4	141,969	58,660	18,652	39,514	12,710	11,630	571	67	165
12 NCP										
Classification NCP from Load Data Provider	DNCP12	445,044	147,819	60,681	126,051	73,055	35,076	1,718	182	463
Primary NCP	PNCP12	445,044	147,819	60,681	126,051	73,055	35,076	1,718	182	463
Line Transformer NCP	LTNCP12	445,044	147,819	60,681	126,051	73,055	35,076	1,718	182	463
Secondary NCP	SNCP12	445,044	147,819	60,681	126,051	73,055	35,076	1,718	182	463

Scaling Factor

	Residential	GS <50	GS 50-499	GS 500-1499	GS >1500	Street Light	Sentinel	Unmetered Scattered Load
2013 Load Forecast (kWh)	49,906,667	22,650,334	38,065,105	36,286,504	34,524,454	1,405,153	116,952	421,538
2024 Load Forecast (kWh)	61,627,888	23,022,735	51,946,339	19,312,053	17,727,224	619,623	71,581	331,791
Scaling Factor	123.5%	101.6%	136.5%	53.2%	51.3%	44.1%	61.2%	78.7%

APPENDIX B: COST ALLOCATION MODEL
(THI 2024 COST ALLOCATION MODEL 20240430)

Ontario Energy Board

2024 Cost Allocation Model

EB-2023-0053

Sheet I6.1 Revenue Worksheet -

Total kWhs from Load Forecast	-
Total kWs from Load Forecast	-
Deficiency/sufficiency (RRWF 8. cell F51)	-
Miscellaneous Revenue (RRWF 5. cell F48)	-

			1	2	3	4	5	7	8	9
	ID	**Total**	**Residential**	**GS <50**	**GS 50-499**	**GS 500-1499**	**GS >1500**	**Street Light**	**Sentinel**	**Unmetered Scattered Load**
Billing Data										
Forecast kWh	**CEN**	Error	61,627,888	23,022,735	51,946,339	19,312,053	17,727,224	619,623	71,581	331,791
Forecast kW	**CDEM**	Error			162,219	57,274	42,760	1,676	195	
Forecast kW, included in CDEM, of customers receiving line transformer allowance		100,035				57,274	42,760			
Optional - Forecast kWh, included in CEN, from customers that receive a line transformation allowance on a kWh basis. In most cases this will not be applicable and will be left blank.		-								
KWh excluding KWh from Wholesale Market Participants	**CEN EWMP**	174,659,234	61,627,888	23,022,735	51,946,339	19,312,053	17,727,224	619,623	71,581	331,791
Existing Monthly Charge			$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Existing Distribution kWh Rate				$0.0000						$0.0000
Existing Distribution kW Rate					$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	
Existing TOA Rate			$0.60	$0.60	$0.60	$0.60	$0.60	$0.60	$0.60	$0.60
Additional Charges										
Distribution Revenue from Rates		$0	$0	$0	$0	$0	$0	$0	$0	$0
Transformer Ownership Allowance		$60,021	$0	$0	$0	$34,365	$25,656	$0	$0	$0
Net Class Revenue	**CREV**	($60,021)	$0	$0	$0	($34,365)	($25,656)	$0	$0	$0

Ontario Energy Board

2024 Cost Allocation Model

EB-2023-0053

Sheet I6.2 Customer Data Worksheet -

			1	2	3	4	5	7	8	9
	ID	Total	Residential	GS <50	GS 50-499	GS 500-1499	GS >1500	Street Light	Sentinel	Unmetered Scattered Load
Billing Data										
Bad Debt 3 Year Historical Average	BDHA	$0	$0	$0	$0	$0	$0	$0	$0	$0
Late Payment 3 Year Historical Average	LPHA	$0	$0							
Number of Bills	CNB	105,396	94,017	8,375	868	61	24	12	1,382	657
Number of Devices	CDEV							1,577		
Number of Connections (Unmetered)	CCON	8,992	7,835	698	72	5	2	210	115	55
Total Number of Customers	CCA	8,783	7,835	698	72	5	2	1	115	55
Bulk Customer Base	CCB	-								
Primary Customer Base	CCP	8,858	7,835	698	72	5	2	76	115	55
Line Transformer Customer Base	CCLT	8,851	7,835	698	72	-	-	76	115	55
Secondary Customer Base	CCS	8,851	7,835	698	72	-	-	76	115	55
Weighted - Services	CWCS	8,303	7,835	433	13	-	-	13	7	3
Weighted Meter -Capital	CWMC	2,601,313	1,828,333	540,671	170,199	10,250	51,860	-	-	-
Weighted Meter Reading	CWMR	8,676	7,835	698	72	51	20	-	-	-
Weighted Bills	CWNB	107,380	94,017	7,789	2,969	719	303	94	1,009	480

Bad Debt Data

Historic Year:	2020	-	-	-						
Historic Year:	2021	-	-	-						
Historic Year:	2022	-	-	-						
Three-year average		-	-	-	-	-	-	-	-	-

Ontario Energy Board

2024 Cost Allocation Model

EB-2023-0053

Sheet I7.1 Meter Capital Worksheet -

		Residential			GS <50			GS 50-499			GS 500-1499			GS >1500			Street Light			Sentinel			Unmetered Scattered Load			TOTAL		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs	Number of Meters	Weighted Metering Costs	Weighted Average Costs
	Allocation Percentage Weighted Factor			70.29%			21%			7%			0%			2%			0%			0%			0%			100%
	Cost Relative to Residential Average Cost			1.00			3.32			10.13			8.78			111.12			-			-			-			1.29
	Total	7835	1828333	233.3545629	698	540671	774.6002865	72	170199	2363.875	5	10250	2050	2	51860	25930	0	0	-	0	0	-	0	0	-	8612	2601313	302.0567812
Meter Types	Cost per Meter (Installed)																											
Single Phase 200 Amp - Urban			0			0			0			0			0			0			0			0		0	0	
Single Phase 200 Amp - Rural	231	7,594	1754214		267	61677			0			0			0			0			0			0	7,861	1815891	
Central Meter			0			0			0			0			0			0			0			0	0	0	
Network Meter (Costs to be updated)	283	224	63392		39	11037			0			0			0			0			0			0	263	74429	
Three-phase - No demand	769		0		231	177639			0			0			0			0			0			0	231	177639	
Smart Meters			0			0			0			0			0			0			0			0	0	0	
Demand without IT (usually three-phase)			0			0			0			0			0			0			0			0	0	0	
Demand with IT			0			0			0			0			0			0			0			0	0	0	
Demand with IT and Interval Capability - Secondary	2,050		0			0		70	143500		5	10250			0			0			0			0	75	153750	
Demand with IT and Interval Capability - Primary	25,930		0			0		1	25930			0		2	51860			0			0			0	3	77790	
Demand with IT and Interval Capability -Special (WMP)			0			0			0			0			0			0			0			0	0	0	
			0			0			0			0			0			0			0			0	0	0	
THI Specific Smart Meter 1	631	17	10727		28	17668			0			0			0			0			0			0	45	28395	
	38298		0			0			0			0			0			0			0			0	0	0	
THI Specific Smart Meter 2	769		0			0		1	769			0			0			0			0			0	1	769	
THI Specific Smart Meter 3	2050		0		133	272650			0			0			0			0			0			0	133	272650	
LDC Specific Smart Meter 6			0			0			0			0			0			0			0			0	0	0	
LDC Specific Smart Meter 7			0			0			0			0			0			0			0			0	0	0	
LDC Specific Smart Meter 8			0			0			0			0			0			0			0			0	0	0	
LDC Specific Smart Meter 9			0			0			0			0			0			0			0			0	0	0	
LDC Specific Smart Meter 10			0			0			0			0			0			0			0			0	0	0	
LDC Specific Smart Meter 11			0			0			0			0			0			0			0			0	0	0	
LDC Specific Smart Meter 12			0			0			0			0			0			0			0			0	0	0	
LDC Specific Smart Meter 13			0			0			0			0			0			0			0			0	0	0	
LDC Specific Smart Meter 14			0			0			0			0			0			0			0			0	0	0	
LDC Specific Smart Meter 15			0			0			0			0			0			0			0			0	0	0	

Ontario Energy Board

2024 Cost Allocation Model

EB-2023-0053

Sheet I7.2 Meter Reading Worksheet -

Weighting Factors based on Contractor Pricing

Description		1 Residential			2 GS <50			3 GS 50-499			4 GS 500-1499			5 GS >1500			7 Street Light			8 Sentinel			9 Unmetered Scattered Load			TOTAL		
		Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs	Units	Weighted Factor	Weighted Average Costs
	Allocation Percentage Weighted Factor			90.31%			8.04%			0.83%			0.58%			0.23%			0.00%			0.00%			0.00%			100.00%
	Cost Relative to Residential Average Cost			1.00			1.00			1.00			10.00			10.00			0.00			0.00			0.00			23.00
	Total	7,835	7,835	1.00	698	698	1.00	72	72	1.00	5	51	10.00	2	20	10.00	-	-	0	-	-	0	-	-	0	8,612	8,676	23
	Factor																											
Residential - Urban - Outside			0			0			0			0			0			0			0			0		-	-	
Residential - Urban - Outside with other services			0			0			0			0			0			0			0			0		-	-	
Residential - Urban - Inside			0			0			0			0			0			0			0			0		-	-	
Residential - Urban - Inside - with other services			0			0			0			0			0			0			0			0		-	-	
Residential - Rural - Outside			0			0			0			0			0			0			0			0		-	-	
Residential - Rural - Outside with other services			0			0			0			0			0			0			0			0		-	-	
Smart Meter	1.00	7,835	7,835		698	698			0			0			0			0			0			0		8,533	8,533	
Smart Meter with Demand	1.00		0			0		72	72			0			0			0			0			0		72	72	
GS - Walking			0			0			0			0			0			0			0			0		-	-	
GS - Walking - with other services			0			0			0			0			0			0			0			0		-	-	
GS - Vehicle with other services --- TOU Read			0			0			0			0			0			0			0			0		-	-	
GS - Vehicle with other services			0			0			0			0			0			0			0			0		-	-	
TH Specific: GS500-1,499 & =>1,500kW	10.00		0			0			0		5	51		2	20			0			0			0		7	71	
LDC Specific 4			0			0			0			0			0			0			0			0		-	-	
Interval			0			0			0			0			0			0			0			0		-	-	
LDC Specific 5			0			0			0			0			0			0			0			0		-	-	
LDC Specific 6			0			0			0			0			0			0			0			0		-	-	
LDC Specific 7			0			0			0			0			0			0			0			0		-	-	
LDC Specific 8			0			0			0			0			0			0			0			0		-	-	
LDC Specific 9			0			0			0			0			0			0			0			0		-	-	
LDC Specific 10			0			0			0			0			0			0			0			0		-	-	
LDC Specific 11			0			0			0			0			0			0			0			0		-	-	
LDC Specific 12			0			0			0			0			0			0			0			0		-	-	
LDC Specific 13			0			0			0			0			0			0			0			0		-	-	
LDC Specific 14			0			0			0			0			0			0			0			0		-	-	
LDC Specific 15			0			0			0			0			0			0			0			0		-	-	

Ontario Energy Board

2024 Cost Allocation Model

EB-2023-0053

Sheet I8 Demand Data Worksheet -

This is an input sheet for demand allocators.

CP TEST RESULTS	12 CP
NCP TEST RESULTS	4 NCP

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

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

Customer Classes		Total	1 Residential	2 GS <50	3 GS 50-499	4 GS 500-1499	5 GS >1500	7 Street Light	8 Sentinel	9 Unmetered Scattered Load
		CP Sanity Check	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
CO-INCIDENT PEAK										
1 CP										
Transformation CP	TCP1	34,418	15,542	4,074	9,291	2,886	2,586	-	-	39
Bulk Delivery CP	BCP1	34,418	15,542	4,074	9,291	2,886	2,586	-	-	39
Total Sytem CP	DCP1	34,418	15,542	4,074	9,291	2,886	2,586	-	-	39
4 CP										
Transformation CP	TCP4	130,076	54,191	17,736	37,820	10,307	9,865	-	-	157
Bulk Delivery CP	BCP4	130,076	54,191	17,736	37,820	10,307	9,865	-	-	157
Total Sytem CP	DCP4	130,076	54,191	17,736	37,820	10,307	9,865	-	-	157
12 CP										
Transformation CP	TCP12	344,634	131,854	45,736	103,312	32,279	30,558	391	46	458
Bulk Delivery CP	BCP12	344,634	131,854	45,736	103,312	32,279	30,558	391	46	458
Total Sytem CP	DCP12	344,634	131,854	45,736	103,312	32,279	30,558	391	46	458
NON CO_INCIDENT PEAK										
		NCP Sanity Check	#REF!	Pass	Check 12 NCP	Check 12 NCP	Pass	Pass	Check 4 NCP	Pass
1 NCP										
Classification NCP from Load Data Provider	DNCP1	37,549	15,663	5,125	10,316	3,252	2,990	145	17	43
Primary NCP	PNCP1	37,549	15,663	5,125	10,316	3,252	2,990	145	17	43
Line Transformer NCP	LTNCP1	#REF!	#REF!	5,125	10,316			145	17	43
Secondary NCP	SNCP1	31,308	15,663	5,125	10,316			145	17	43
4 NCP										
Classification NCP from Load Data Provider	DNCP4	141,969	58,660	18,652	39,514	12,710	11,630	571	67	165
Primary NCP	PNCP4	141,969	58,660	18,652	39,514	12,710	11,630	571	67	165
Line Transformer NCP	LTNCP4	117,629	58,660	18,652	39,514			571	67	165
Secondary NCP	SNCP4	117,629	58,660	18,652	39,514			571	67	165
12 NCP										
Classification NCP from Load Data Provider	DNCP12	445,044	147,819	60,681	126,051	73,055	35,076	1,718	182	463
Primary NCP	PNCP12	445,044	147,819	60,681	126,051	73,055	35,076	1,718	182	463
Line Transformer NCP	LTNCP12	336,913	147,819	60,681	126,051			1,718	182	463
Secondary NCP	SNCP12	336,913	147,819	60,681	126,051			1,718	182	463

Ontario Energy Board

2024 Cost Allocation Model

EB-2023-0053

Sheet O1 Revenue to Cost Summary Worksheet -

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

Class Revenue, Cost Analysis, and Return on Rate Base

Rate Base Assets		Total	1 Residential	2 GS <50	3 GS 50-499	4 GS 500-1499	5 GS >1500	7 Street Light	8 Sentinel	9 Unmetered Scattered Load
crev	Distribution Revenue at Existing Rates	($60,021)	$0	$0	$0	($34,365)	($25,656)	$0	$0	$0
mi	Miscellaneous Revenue (mi)	$0	$0	$0	$0	$0	$0	$0	$0	$0
		Miscellaneous Revenue Input equals Output								
	Total Revenue at Existing Rates	($60,021)	$0	$0	$0	($34,365)	($25,656)	$0	$0	$0
	Factor required to recover deficiency (1 + D)	0.0000								
	Distribution Revenue at Status Quo Rates	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Miscellaneous Revenue (mi)	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Total Revenue at Status Quo Rates	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Expenses									
di	Distribution Costs (di)	$0	$0	$0	$0	$0	$0	$0	$0	$0
cu	Customer Related Costs (cu)	$0	$0	$0	$0	$0	$0	$0	$0	$0
ad	General and Administration (ad)	$0	$0	$0	$0	$0	$0	$0	$0	$0
dep	Depreciation and Amortization (dep)	$0	$0	$0	$0	$0	$0	$0	$0	$0
INPUT	PILs (INPUT)	$0	$0	$0	$0	$0	$0	$0	$0	$0
INT	Interest	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Total Expenses	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Direct Allocation	$0	$0	$0	$0	$0	$0	$0	$0	$0
NI	Allocated Net Income (NI)	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Revenue Requirement (includes NI)	$0	$0	$0	$0	$0	$0	$0	$0	$0
			-							

Ontario Energy Board

2024 Cost Allocation Model

EB-2023-0053

Sheet O1 Revenue to Cost Summary Worksheet -

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

Class Revenue, Cost Analysis, and Return on Rate Base

Rate Base Assets		Total	1 Residential	2 GS <50	3 GS 50-499	4 GS 500-1499	5 GS >1500	7 Street Light	8 Sentinel	9 Unmetered Scattered Load
	Rate Base Calculation									
	Net Assets									
dp	Distribution Plant - Gross	$0	$0	$0	$0	$0	$0	$0	$0	$0
gp	General Plant - Gross	$0	$0	$0	$0	$0	$0	$0	$0	$0
accum dep	Accumulated Depreciation	$0	$0	$0	$0	$0	$0	$0	$0	$0
co	Capital Contribution	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Total Net Plant	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Directly Allocated Net Fixed Assets	$0	$0	$0	$0	$0	$0	$0	$0	$0
COP	Cost of Power (COP)	$0	$0	$0	$0	$0	$0	$0	$0	$0
	OM&A Expenses	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Directly Allocated Expenses	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Subtotal	*$0*	*$0*	*$0*	*$0*	*$0*	*$0*	*$0*	*$0*	*$0*
	Working Capital	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Total Rate Base	$0	$0	$0	$0	$0	$0	$0	$0	$0
			#VALUE!							
	Equity Component of Rate Base	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Net Income on Allocated Assets	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Net Income on Direct Allocation Assets	$0	-	-	-	-	-	-	-	-
	Net Income	$0	$0	$0	$0	$0	$0	$0	$0	$0
	RATIOS ANALYSIS									
	REVENUE TO EXPENSES STATUS QUO%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	EXISTING REVENUE MINUS ALLOCATED COSTS	($60,021)	$0	$0	$0	($34,365)	($25,656)	$0	$0	$0
			Deficiency Input Does Not Equal Output							
	STATUS QUO REVENUE MINUS ALLOCATED COSTS	$0	$0	$0	$0	$0	$0	$0	$0	$0
	RETURN ON EQUITY COMPONENT OF RATE BASE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Ontario Energy Board

2024 Cost Allocation Model

EB-2023-0053

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

Output sheet showing minimum and maximum level for Monthly Fixed Charge

Summary

	1	2	3	4	5	7	8	9
	Residential	**GS <50**	**GS 50-499**	**GS 500-1499**	**GS >1500**	**Street Light**	**Sentinel**	**Unmetered Scattered Load**
Customer Unit Cost per month - Avoided Cost	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Customer Unit Cost per month - Directly Related	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Customer Unit Cost per month - Minimum System with PLCC Adjustment	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Existing Approved Fixed Charge	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00