

COST ALLOCATION

Toronto Hydro's total revenue requirement, as detailed in Exhibit 6, is allocated to rate classes as the basis for determining distribution rates for the 2015 rebasing year. The allocation methodology employed for the 2015 Test Year is the OEB's Cost Allocation Model.

The results of the cost allocation, which shows the revenue/cost ratios prior to applying the proposed rates is summarized in Table 1 below.

Table 1: Revenue / Cost Ratios from Cost Allocation Model (%)

Rate Class	2015 Revenue/Cost Ratio	OEB's Guideline Ranges
Residential	94	85-115
Competitive Sector Multi-Unit Residential	111	n/a
General Service <50kW	90	80-120
General Service 50-999kW	118	80-120
Intermediate 1000-4999kW	101	80-120
Large Use	95	85-115
Streetlighting	92	70-120
Unmetered Scattered Load	87	80-120

Exhibit 7, Tab 1, Schedule 2 provides sheets I-6, I-8, O-1 and O-2 from the Cost Allocation model for the Test Year, as required by the OEB's Filing Guidelines. The full live MS Excel model has also been filed electronically.

1. COST ALLOCATION MODEL

In completing the Cost Allocation model, Toronto Hydro has reviewed and updated all of the inputs to the model.

The load profiles for each class used in the model for the demand allocators have been updated to reflect the most recent full year of data available (2012). The profiles use metered data for each rate class, weather normalized to 2015 heating and cooling degree days. Sample sizes varied by rate class but where interval metering were available for the whole rate class, the entire metering data for that class were used. The hourly load profiles were then reconciled to the 2012 weather normalized purchased energy data.

Toronto Hydro has reviewed all of the “default” allocators, and where available, has used data specific for Toronto Hydro to determine the allocator values. For example:

- Weighting factor for services – All rate classes, with the exception of the CSMUR, USL and Streetlighting classes, receive a weighting factor of 1. This reflects that service costs greater than a basic allowance are recovered through a direct contribution from the customers. The weighting factor for the CSMUR rate class was derived by dividing the number of units by the number of buildings housing these units, as directed by the OEB in EB-2010-0142. For the USL and Streetlighting classes, the cost of services is directly collected from those customers, and hence they receive a weighting factor of zero.
- Weighting factor for Billing and Collections – Based on estimates provided by the utility’s billing specialists, the weighting factors reflects estimates of billing effort and costs related to each class.

With respect to the density factor, which is used to determine the proportion of customer related and demand related costs for those costs which are allocated on a joint customer/demand basis, Toronto Hydro has adjusted this value from the default values

1 provided in the model. The model values were derived at the time the original Cost
2 Allocation model was built based on information from a number of different historical
3 studies. The OEB's model groups this information into three different density ranges:
4 less than 30 customers per kilometre, between 30 and 60 customers per kilometre, and
5 greater than 30 customers per kilometre. For each of these ranges, the customer-related
6 proportion is derived.

7
8 Toronto Hydro's density factor, as determined by the model, is well above the 60
9 customers per kilometre ratio, at 140 customers per kilometre. The OEB's model
10 acknowledges that the customer related proportion of jointly determined costs is lower
11 for more dense systems. Given that Toronto Hydro's density factor is much higher than
12 the top grouping, the utility believes it is more appropriate to use a custom-related
13 proportion more line with the realities of Toronto Hydro's system.

14
15 Toronto Hydro supplied information on density factors to the original Cost Allocation
16 model development. This information was based on cost allocation studies performed by
17 Toronto Hydro and a number of its pre-amalgamation utilities. A summary of this
18 information is included in the OEB's Report EB-2005-0317 – Cost Allocation Review –
19 OEB Directions on Cost Allocation for Electricity Distributors (September 29, 2006) and
20 reproduced in the following table.

1 **Table 1: Summary**

Generic Minimum System Results - Ontario Studies					
By Density				Customer Component	
			Density (Cust/km)	Line Transformer	Distribution
			Low	60%	60%
			Medium	40%	40%
			High	30%	35%
Results of Ontario Studies					
Average by Density			Low	62%	61%
			Medium	43%	43%
			High	31%	36%
			Average all	40%	43%
		Customer Component			
Unity Name	Density (Cust/km)	Line Transformer	Overhead Feeders	Underground Feeders	Combined OH/UG
Guelph - Bare Bone	Medium	27%	48%	34%	41%
Guelph - Smallest Installed	Medium	54%	99%	67%	83%
Milton	Medium	64%	44%	32%	38%
MEA 1998 study	Medium	27%	36%	15%	26%
Strata 1 (note 1)	Medium	42%	52%	25%	39%
Strata 2 (note 1)	Medium	26%	51%	27%	39%
Strata 3 (note 1)	Medium	29%	50%	29%	40%
Wasaga Beach	Medium	71%	61%	13%	37%
Rural Study (Ont Hydro)	Low	62%	61%	61%	61%
Etobicoke (Tx weighted oh/ug)	High	38%	63%	66%	65%
North York Hydro (Tx Weighted)	High	16%	32%	11%	22%
Toronto Hydro	High	23%	23%	23%	23%
Note 1:					
MEA February 1998					
Strata 3 - utilities with over 40% of distribution plant underground					
Strata 2 - utilities with less than 40% and over 1000 Residential customers					
Strata 1 - Utilities with less than 40% underground and less than 1000 residential customers					
The 10 largest utilities were excluded from these stratifications.					

1 Toronto Hydro believes it is most appropriate to use the estimates from these studies to
2 inform the correct density factor. Accordingly, the cost allocation model uses 23% as the
3 density factor (customer allocation component) for distribution and transformer, which
4 was the value found for Toronto Hydro.

5
6 In its EB-2010-0142 decision with respect to the new CSMUR class, the OEB required
7 the utility to review each of the assumptions set out in the decision and note any that may
8 require revision at the time of its next Cost of Service filing. Toronto Hydro has
9 reviewed the directions from that decision, and has not determined a need for any
10 revisions. Allocations to the CSMUR class have been based on the same assumptions as
11 set out in the OEB's decision.

12
13 In the same decision, the OEB discussed an issue raised by the School Energy Coalition
14 ("SEC") related to the allocation of costs and revenues between the CSMUR class and
15 the GS >50 classes depending on whether the CSMUR customers would be considered
16 bulk customers or customers in the CSMUR class. The OEB directed Toronto Hydro to
17 establish a tracking account to record amounts related to this issue.

18
19 Toronto Hydro considered that a tracking account was unnecessary to address this issue,
20 as it was a cost allocation issue, and effectively there would be no real costs to track.

21 THESL does understand the concerns of the Board and SEC however, and believes that
22 estimates of the potential effect of the utility's approved CSMUR class on the costs and
23 revenues allocated to the GS >50 class are best addressed through scenarios using the
24 Cost Allocation Model.

25
26 Appendix A to this exhibit provides information on the scenarios run with the Cost
27 Allocation Model.

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1 As noted in Exhibit 2A, Tab 5, Schedule 1, Toronto Hydro has incorporated approved
2 Streetlighting assets and operating expenses into its 2015 Revenue Requirement. For the
3 purposes of cost allocation, the company has directly allocated all assets and expenses
4 95% to the Streetlighting class, and 5% to the Unmetered Scattered Load class. This
5 allocation reflects the fact that these assets are serving only these two classes currently
6 and ensures that no other rate classes are allocated these costs. In addition, 100% of the
7 additional revenue requirement is offset through a direct allocation of the revenues
8 received through the existing Streetlighting contract to Revenue Offsets for the
9 Streetlighting class. The effect is that for these assets and costs, the revenue-to-cost ratio
10 is 1.0.

11

12

13 **2. IMPLEMENTATION OF COST ALLOCATION RESULTS**

14 The Report of the Board: Review of Electricity Distribution Cost Allocation Policy (EB-
15 2010-0219) dated March 31, 2011 established updated “target ranges” for the Revenue to
16 Cost ratios for each customer class. Table 2 below shows the Revenue to Cost ratios
17 calculated prior to, and after, the proposed Test Year rate design in comparison to the
18 “target ranges” (all ratios exclude revenues and costs related to transformer ownership
19 allowance).

1 **Table 2: Revenue / Cost Ratios (%)**

Rate Class	2011 OEB Approved	2015		OEB's Guideline Ranges
		Model	Proposed	
Residential	89	94	95	85-115
Competitive Sector Multi-Unit Residential		111	100	
General Service <50kW	97	90	92	80-120
General Service 50-999kW	118	118	118	80-120
Intermediate 1000-4999kW	124	101	101	80-120
Large Use	116	95	96	85-115
Streetlighting	71	92	82	70-120
Unmetered Scattered Load	82	87	89	80-120

/C

2 The proposed Revenue to Cost ratios for all THESL rate classes are within the OEB's
3 "target ranges".

4
5 With respect to the CSMUR class, as directed in the EB-2010-1042 decision, Toronto
6 Hydro has adjusted rates to this class to make the revenue-to-cost ratio equal to unity.
7 This ensures that this class is recovering its fully allocated costs.

8
9 With respect to the Streetlighting class, rates for this class were maintained at the same
10 level as 2014. As is explained in more detail in Exhibit 8, Tab 1, Schedule 1, the cost
11 allocation model with respect to the Streetlighting class is subject to further OEB review.
12 Until such time as that review is complete, and given that rates to this class since 2006
13 have risen substantially due to the implementation of the existing cost allocation model,
14 Toronto Hydro believes it is not appropriate to set rates for 2015 based on the current cost
15 allocation model.

16

- 1 As required by the OEB's filing requirements, Exhibit 7, Tab 2, Schedule 1 contains
- 2 OEB Appendix 2-P which provides allocated class revenues and calculated revenue-to-
- 3 cost ratios.

Appendix A – Scenarios Shifting CSMUR Customers to GS 50-999kW Class

To estimate the impact of the establishment of the new CSMUR class in the Cost Allocation Model, Toronto Hydro ran a version of the model (using the current 2015 application as the base) where the CSMUR class customers were all assumed to be behind a bulk meter in the GS 50-999 class¹. All loads associated with the CSMUR class were moved to the GS 50-999 class. The number of GS 50-999 class customers remains unchanged, as even when the individual units of the multi-residential buildings are metered, the bulk load for the common areas remains, therefore the additional units do not add to the customer count. In addition, the meter and associated capital costs related to the CSMUR class are removed since if they were bulk customers, these costs would not be incurred.

Based on this scenario, the resulting rates were determined for the GS 50-999 kW class and compared to the rates as currently proposed in this application which includes the CSMUR class. The comparison, based on a monthly customer bill for a typical customer, is shown in the table below.

¹ CSMUR customers would also likely fall into at least one of the other GS >50 customer classes if they were behind a bulk meter, but for the purposes of the scenario they have all been moved to the GS 50-999 kW class.

1 **Table 1: Rates and Monthly Distribution Bill for GS 50-99 customer**

	Revenue to Cost Ratio	Fixed Rate	Variable Rate	Monthly Distribution Bill (before rate riders)
As proposed	118%	44.10	6.9413	6,214.92
No CSMUR Class Scenario	120%	45.89	7.2229	6,467.05
			Difference (\$)	252.13
			Difference (%)	4.1%

2 This indicates that in the absence of the CSMUR class, the GS 50-999 rates would be
3 slightly higher.

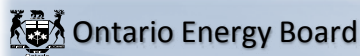
4
5 Toronto Hydro notes that under this scenario, the revenue to cost ratio for the GS 50-999
6 kW class did increase – from 118% as currently proposed, to 120%. As a further
7 scenario, Toronto Hydro estimated rates and a monthly bill for a GS 50-999 kW customer
8 if under the same scenario of removing the CSMUR class, the revenue to cost ratio for
9 the GS 50-999 kW class was maintained at 118%. The results are shown in the following
10 table.

11

1 **Table 2: Rates and Monthly Distribution Bill for GS 50-99 customer – Revenue to**
2 **Cost Ratio Held at 118%**

	Revenue to Cost Ratio	Fixed Rate	Variable Rate	Monthly Distribution Bill (before rate riders)
As proposed	118%	44.10	6.9413	6,214.92
No CSMUR Class Scenario	118%	45.26	7.1236	6,378.14
			Difference (\$)	163.22
			Difference (%)	2.6%

3 Rates for the GS 50-999 kW class are still higher under this scenario, but less so than in
4 the previous scenario.



2015 Cost Allocation Model

EB-2014-0116

Sheet I6.1 Revenue Worksheet -

Total kWhs from Load Forecast	24,128,179,251
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Total kW from Load Forecast	42,697,206
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Deficiency/sufficiency (RRWF 8. cell F51)	- 119,288,075
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Miscellaneous Revenue (RRWF 5. cell F48)	45,116,090
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			1	2	3	4	5	6	7	9
			Residential	Competitive Sector Multi-Unit Residential	GS<50	GS - 50 to 999	GS - 1000 to 4999	Large Use >5MV	Street Light	Unmetered Scattered Load
Billing Data	ID	Total								
Forecast kWh	CEN	24,128,179,251	4,909,898,145	213,116,822	2,118,402,162	9,848,614,894	4,654,535,571	2,228,386,374	114,092,929	41,132,354
Forecast kW	CDEM	42,697,206				26,395,826	10,671,871	5,305,030	324,479	
Forecast kW, included in CDEM, of customers receiving line transformer allowance		19,204,075				5,706,746	8,435,655	5,061,674		
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	24,128,179,251	4,909,898,145	213,116,822	2,118,402,162	9,848,614,894	4,654,535,571	2,228,386,374	114,092,929	41,132,354

Billing Data	ID	Total	1	2	3	4	5	6	7	9
			Residential	Competitive Sector Multi-Unit Residential	GS<50	GS - 50 to 999	GS - 1000 to 4999	Large Use >5MV	Street Light	Unmetered Scattered Load
Existing Monthly Charge			\$18.89	\$17.59	\$25.14	\$36.79	\$710.41	\$3,114.13	\$1.34	\$5.01
Existing Distribution kWh Rate			\$0.0154	\$0.0262	\$0.0229					\$0.06195
Existing Distribution kW Rate						\$5.7909	\$4.6050	\$4.9060	\$29.7273	\$0.5100
Existing TOA Rate			\$0.62	\$0.62	\$0.62	\$0.62	\$0.62	\$0.62	\$0.62	\$0.62
Additional Charges										
Distribution Revenue from Rates		\$554,785,563	\$214,465,673	\$17,001,339	\$69,430,402	\$158,177,191	\$52,894,930	\$27,857,584	\$12,284,580	\$2,673,863
Transformer Ownership Allowance		\$11,906,526	\$0	\$0	\$0	\$3,538,182	\$5,230,106	\$3,138,238	\$0	\$0
Net Class Revenue	CREV	\$542,879,037	\$214,465,673	\$17,001,339	\$69,430,402	\$154,639,009	\$47,664,824	\$24,719,345	\$12,284,580	\$2,673,863
Day of Service Factor		1.0139								

2015 Cost Allocation Model

EB-2014-0116

Sheet I6.2 Customer Data Worksheet -

			1	2	3	4	5	6	7	9
	ID	Total	Residential	Competitive Sector Multi-Unit Residential	GS<50	GS - 50 to 999	GS - 1000 to 4999	Large Use >5MW	Street Light	Unmetered Scattered Load
Billing Data										
Bad Debt 3 Year Historical Average	BDHA	\$8,658,534	\$5,187,619	\$119	\$2,288,017	\$1,010,877	\$169,446	\$0	\$0	\$2,456
Late Payment 3 Year Historical Average	LPHA	\$4,196,718	\$2,339,632	\$95,246	\$965,887	\$678,153	\$94,413	\$15,069		\$8,318
Number of Bills	CNB	5,509,125	4,104,815	441,892.00	680,047	145,250	6,000	589	139	130,393
Number of Devices									164,098	
Number of Connections (Unmetered)	CCON	102,886							91,166	11,720
Total Number of Customers	CCA	749,680	612,985	54,122	69,131	12,054	440	49	1	898
Bulk Customer Base	CCB	-								
Primary Customer Base	CCP	667,952	612,985	54,122	157	353	209	44		82
Line Transformer Customer Base	CCLT	690,851	612,985	54,122		11,844	11,844	49		7
Secondary Customer Base	CCS	748,835	612,985	54,122	68,974	11,701	231	5	1	816
Weighted - Services	CWCS	694,112	612,985	216	68,974	11,701	231	5	-	-
Weighted Meter -Capital	CWMC	195,570,673	120,763,500	-	44,753,100	25,235,400	4,372,161	446,512	-	-
Weighted Meter Reading	CWMR	6,591,443	4,118,345	-	1,230,180	1,029,000	183,924	29,994	-	-
Weighted Bills	CWNB	7,780,803	4,104,815	574,460	1,700,118	1,016,750	27,600	4,889	111	352,061

Bad Debt Data

Historic Year:	2011	8,658,534	5,187,619	119	2,288,017	1,010,877	169,446			2,456
Historic Year:	2012	8,658,534	5,187,619	119	2,288,017	1,010,877	169,446			2,456
Historic Year:	2013	8,658,534	5,187,619	119	2,288,017	1,010,877	169,446			2,456
Three-year average		8,658,534	5,187,619	119	2,288,017	1,010,877	169,446	-	-	2,456



Ontario Energy Board

2015 Cost Allocation Model

EB-2014-0116

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	2	3	4	5	6	7	9
			Residential	Competitive Sector Multi-Unit Residential	GS<50	GS - 50 to 999	GS - 1000 to 4999	Large Use >5MV	Street Light	Unmetered Scattered Load
CO-INCIDENT PEAK										
1 CP										
Transformation CP	TCP1	4,470,647	920,668	17,111	617,488	1,774,026	789,374	346,889		5,091
Bulk Delivery CP	BCP1	4,470,647	920,668	17,111	617,488	1,774,026	789,374	346,889		5,091
Total Sytem CP	DCP1	4,470,647	920,668	17,111	617,488	1,774,026	789,374	346,889		5,091
4 CP										
Transformation CP	TCP4	17,076,733	3,973,995	67,276	2,017,606	6,616,141	3,007,206	1,375,618		18,891
Bulk Delivery CP	BCP4	17,076,733	3,973,995	67,276	2,017,606	6,616,141	3,007,206	1,375,618		18,891
Total Sytem CP	DCP4	17,076,733	3,973,995	67,276	2,017,606	6,616,141	3,007,206	1,375,618		18,891
12 CP										
Transformation CP	TCP12	45,811,726	9,560,637	182,941	5,664,733	18,602,008	8,112,949	3,494,950	135,479	58,029
Bulk Delivery CP	BCP12	45,811,726	9,560,637	182,941	5,664,733	18,602,008	8,112,949	3,494,950	135,479	58,029
Total Sytem CP	DCP12	45,811,726	9,560,637	182,941	5,664,733	18,602,008	8,112,949	3,494,950	135,479	58,029
NON CO INCIDENT PEAK										
1 NCP										
Classification NCP from Load Data Provider	DNCP1	5,038,274	1,354,272	25,321	638,018	1,776,307	803,364	406,443	28,282	6,266
Primary NCP	PNCP1	4,917,319	1,354,272	25,321	638,018	1,655,677	803,364	406,443	28,282	5,941
Line Transformer NCP	LTNCP1	3,751,374	1,354,272	25,321	638,018	1,484,870	176,305	38,365	28,282	5,941
Secondary NCP	SNCP1	2,514,926	1,354,272	25,321	638,018	445,461	17,631	-	28,282	5,941
4 NCP										
Classification NCP from Load Data Provider	DNCP4	18,766,794	4,904,769	99,457	2,352,693	6,702,122	3,097,608	1,474,075	112,143	23,928
Primary NCP	PNCP4	18,310,409	4,904,769	99,457	2,352,693	6,246,977	3,097,608	1,474,075	112,143	22,688
Line Transformer NCP	LTNCP4	13,913,196	4,904,769	99,457	2,352,693	5,602,511	679,797	139,140	112,143	22,688
Secondary NCP	SNCP4	9,240,482	4,904,769	99,457	2,352,693	1,680,753	67,980	-	112,143	22,688
12 NCP										
Classification NCP from Load Data Provider	DNCP12	50,551,160	12,409,829	276,406	6,542,552	18,662,991	8,486,572	3,785,572	322,463	64,775
Primary NCP	PNCP12	49,280,387	12,409,829	276,406	6,542,552	17,395,577	8,486,572	3,785,572	322,463	61,416
Line Transformer NCP	LTNCP12	37,433,412	12,409,829	276,406	6,542,552	15,600,970	1,862,452	357,325	322,463	61,416
Secondary NCP	SNCP12	24,479,202	12,409,829	276,406	6,542,552	4,680,291	186,245	-	322,463	61,416

2015 Cost Allocation Model

EB-2014-0116

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

			1	2	3	4	5	6	7	9
Rate Base Assets		Total	Residential	Competitive Sector Multi-Unit Residential	GS<50	GS - 50 to 999	GS - 1000 to 4999	Large Use >5MV	Street Light	Unmetered Scattered Load
crev mi	Distribution Revenue at Existing Rates	\$542,879,037	\$214,465,673	\$17,001,339	\$69,430,402	\$154,639,009	\$47,664,824	\$24,719,345	\$12,284,580	\$2,673,863
	Miscellaneous Revenue (mi)	\$46,095,333	\$19,509,909	\$1,297,703	\$8,136,379	\$6,474,878	\$893,524	\$331,508	\$8,843,247	\$608,185
		Miscellaneous Revenue Input equals Output								
Total Revenue at Existing Rates		\$588,974,369	\$233,975,582	\$18,299,042	\$77,566,781	\$161,113,887	\$48,558,349	\$25,050,853	\$21,127,827	\$3,282,048
Factor required to recover deficiency (1 + D)		1.2179								
di ad dep INPUT INT	Distribution Revenue at Status Quo Rates	\$661,187,870	\$261,203,863	\$20,706,416	\$84,561,267	\$188,339,262	\$58,052,350	\$30,106,396	\$14,961,741	\$3,256,575
	Miscellaneous Revenue (mi)	\$46,095,333	\$19,509,909	\$1,297,703	\$8,136,379	\$6,474,878	\$893,524	\$331,508	\$8,843,247	\$608,185
Total Revenue at Status Quo Rates		\$707,283,203	\$280,713,772	\$22,004,119	\$92,697,646	\$194,814,140	\$58,945,874	\$30,437,904	\$23,804,988	\$3,864,760
Expenses										
di cu	Distribution Costs (di)	\$123,655,008	\$47,314,625	\$1,304,383	\$18,124,960	\$35,105,861	\$13,450,043	\$6,062,015	\$1,998,015	\$295,106
	Customer Related Costs (cu)	\$44,534,641	\$25,013,514	\$2,382,606	\$9,538,037	\$5,488,893	\$375,257	\$39,113	\$307,298	\$1,389,922
dep INPUT INT	General and Administration (ad)	\$96,546,705	\$40,562,736	\$2,408,658	\$15,189,782	\$22,661,572	\$7,797,904	\$3,702,773	\$3,261,079	\$962,201
	Depreciation and Amortization (dep)	\$202,864,526	\$89,708,004	\$3,247,363	\$29,278,431	\$49,634,815	\$17,161,883	\$8,410,962	\$4,825,804	\$597,265
INPUT INT	PIUs (INPUT)	\$23,513,402	\$10,300,864	\$544,811	\$3,242,656	\$5,498,993	\$1,987,637	\$1,085,550	\$772,875	\$80,017
	Interest	\$78,673,287	\$34,465,570	\$1,822,878	\$10,849,574	\$18,399,032	\$6,650,418	\$3,632,131	\$2,585,956	\$267,728
Total Expenses		\$569,787,570	\$247,365,312	\$11,710,698	\$86,223,440	\$136,789,166	\$47,423,143	\$22,932,544	\$13,751,028	\$3,592,238
Direct Allocation		\$18,950,337	\$0	\$5,433,592	\$0	\$378,074	\$788,922	\$3,727,984	\$8,190,677	\$431,088
NI	Allocated Net Income (NI)	\$118,545,296	\$51,932,890	\$2,746,721	\$16,348,191	\$27,723,752	\$10,020,883	\$5,472,914	\$3,896,532	\$403,413
Revenue Requirement (includes NI)		\$707,283,203	\$299,298,203	\$19,891,011	\$102,571,632	\$164,890,991	\$58,232,948	\$32,133,442	\$25,838,237	\$4,426,739
		Revenue Requirement Input equals Output								

2015 Cost Allocation Model

EB-2014-0116

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 Competitive Sector Multi-Unit Residential	3 GS<50	4 GS - 50 to 999	5 GS - 1000 to 4999	6 Large Use >5MV	7 Street Light	9 Unmetered Scattered Load
Rate Base Calculation									
Net Assets									
dp Distribution Plant - Gross	\$5,145,749,806	\$2,365,866,448	\$66,682,352	\$735,274,695	\$1,247,739,841	\$423,888,047	\$185,725,331	\$105,821,690	\$14,751,401
gp General Plant - Gross	\$916,204,748	\$395,798,369	\$22,215,476	\$125,585,159	\$213,959,979	\$77,189,205	\$47,594,678	\$30,692,299	\$3,166,583
accum dep Accumulated Depreciation	(\$2,729,635,149)	(\$1,258,477,883)	(\$41,734,799)	(\$382,622,922)	(\$651,343,147)	(\$219,555,232)	(\$104,278,655)	(\$63,484,604)	(\$8,137,907)
co Capital Contribution	(\$364,735,829)	(\$159,582,579)	(\$5,799,773)	(\$54,904,097)	(\$94,754,371)	(\$27,537,331)	(\$11,605,081)	(\$9,274,323)	(\$1,278,272)
Total Net Plant	\$2,967,583,576	\$1,343,604,355	\$41,363,257	\$423,335,834	\$715,602,301	\$253,984,690	\$117,436,272	\$63,755,062	\$8,501,805
Directly Allocated Net Fixed Assets	\$104,239,340	\$0	\$30,185,716	\$0	\$2,676,286	\$5,584,568	\$26,389,410	\$37,433,192	\$1,970,168
COP									
Cost of Power (COP)	\$2,751,934,010	\$559,997,319	\$24,306,991	\$241,613,878	\$1,123,281,537	\$530,871,999	\$254,158,102	\$13,012,843	\$4,691,341
OM&A Expenses	\$264,736,354	\$112,890,875	\$6,095,647	\$42,852,779	\$63,256,326	\$21,623,204	\$9,803,901	\$5,566,393	\$2,647,229
Directly Allocated Expenses	\$4,793,042	\$0	\$658,560	\$0	\$30,542	\$63,732	\$301,162	\$3,552,094	\$186,952
Subtotal	\$3,021,463,406	\$672,888,194	\$31,061,198	\$284,466,657	\$1,186,568,405	\$552,558,935	\$264,263,165	\$22,131,330	\$7,525,523
Working Capital	\$241,654,863	\$53,817,201	\$2,484,256	\$22,751,476	\$94,901,042	\$44,193,338	\$21,135,612	\$1,770,051	\$601,887
Total Rate Base	\$3,313,477,779	\$1,397,421,556	\$74,033,229	\$446,087,310	\$813,179,629	\$303,762,596	\$164,961,295	\$102,958,304	\$11,073,859
	Rate Base Input equals Output								
Equity Component of Rate Base	\$1,325,391,111	\$558,968,623	\$29,613,292	\$178,434,924	\$325,271,852	\$121,505,038	\$65,984,518	\$41,183,322	\$4,429,544
Net Income on Allocated Assets	\$118,545,296	\$33,348,460	\$4,859,828	\$6,474,206	\$57,646,901	\$10,733,810	\$3,777,376	\$1,863,282	(\$158,567)
Net Income on Direct Allocation Assets	\$4,716,077	\$0	\$1,365,686	\$0	\$121,083	\$252,661	\$1,193,930	\$1,693,581	\$89,136
Net Income	\$123,261,373	\$33,348,460	\$6,225,514	\$6,474,206	\$57,767,983	\$10,986,471	\$4,971,306	\$3,556,864	(\$69,431)
RATIOS ANALYSIS									
REVENUE TO EXPENSES STATUS QUO%	100.00%	93.79%	110.62%	90.37%	118.15%	101.22%	94.72%	92.13%	87.30%
EXISTING REVENUE MINUS ALLOCATED COSTS	(\$118,308,834)	(\$65,322,620)	(\$1,591,970)	(\$25,004,851)	(\$3,777,104)	(\$9,674,599)	(\$7,082,588)	(\$4,710,410)	(\$1,144,691)
	Deficiency Input Does Not Equal Output								
STATUS QUO REVENUE MINUS ALLOCATED COSTS	(\$0)	(\$18,584,430)	\$2,113,107	(\$9,873,986)	\$29,923,149	\$712,927	(\$1,695,538)	(\$2,033,249)	(\$561,980)
RETURN ON EQUITY COMPONENT OF RATE BASE	9.30%	5.97%	21.02%	3.63%	17.76%	9.04%	7.53%	8.64%	-1.57%



Ontario Energy Board

2015 Cost Allocation Model

EB-2014-0116

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

Output sheet showing minimum and maximum level for
Monthly Fixed Charge

Summary

	1	2	3	4	5	6	7	9
	Residential	Competitive Sector Multi-Unit Residential	GS<50	GS - 50 to 999	GS - 1000 to 4999	Large Use >5MV	Street Light	Unmetered Scattered Load
Customer Unit Cost per month - Avoided Cost	\$4.24	\$3.40	\$13.78	\$43.31	\$82.72	-\$35.83	\$0.23	\$9.53
Customer Unit Cost per month - Directly Related	\$6.15	\$5.42	\$19.90	\$64.69	\$124.57	\$19.61	\$0.39	\$14.56
Customer Unit Cost per month - Minimum System with PLCC Adjustment	\$19.39	\$9.36	\$31.69	\$86.32	\$245.20	\$210.56	\$10.59	\$19.36
Existing Approved Fixed Charge	\$18.89	\$17.59	\$25.14	\$36.79	\$710.41	\$3,114.13	\$1.34	\$5.01

Information to be Used to Allocate PILs, ROD, ROE and A&G

		1	2	3	4	5	6	7	9
	Total	Residential	Competitive Sector Multi-Unit Residential	GS<50	GS - 50 to 999	GS - 1000 to 4999	Large Use >5MV	Street Light	Unmetered Scattered Load
General Plant - Gross Assets	\$916,204,748	\$395,798,369	\$22,215,476	\$125,588,159	\$213,959,979	\$77,189,205	\$47,594,678	\$30,692,299	\$3,166,583
General Plant - Accumulated Depreciation	(\$568,825,133)	(\$245,731,165)	(\$13,792,464)	(\$77,971,328)	(\$132,836,916)	(\$47,922,869)	(\$29,549,125)	(\$19,055,294)	(\$1,965,971)
General Plant - Net Fixed Assets	\$347,379,615	\$150,067,204	\$8,423,012	\$47,616,831	\$81,123,063	\$29,266,336	\$18,045,552	\$11,637,005	\$1,200,612
General Plant - Depreciation	\$63,783,139	\$27,554,171	\$1,546,568	\$8,743,032	\$14,895,185	\$5,373,657	\$3,313,384	\$2,136,696	\$220,447
Total Net Fixed Assets Excluding General Plant	\$2,724,443,301	\$1,193,537,151	\$63,125,961	\$375,719,004	\$637,155,524	\$230,302,921	\$125,780,130	\$89,551,249	\$9,271,361
Total Administration and General Expense	\$96,546,705	\$40,562,736	\$2,408,658	\$15,189,782	\$22,661,572	\$7,797,904	\$3,702,773	\$3,261,079	\$962,201
Total O&M	\$172,982,691	\$72,328,139	\$4,345,550	\$27,662,997	\$40,625,297	\$13,889,032	\$6,402,290	\$5,857,407	\$1,871,980

Scenario 1

Accounts included in Avoided Costs Plus General Administration Allocation

USoA Account #	Accounts	Total	1 Residential	2 Competitive Sector Multi-Unit Residential	3 GS<50	4 GS - 50 to 999	5 GS - 1000 to 4999	6 Large Use >5MV	7 Street Light	9 Unmetered Scattered Load
1860	Distribution Plant Meters	\$183,224,614	\$113,139,896	\$0	\$41,927,909	\$23,642,330	\$4,096,154	\$418,324	\$0	\$0

CWMC

<u>Accumulated Amortization</u>											
Accum. Amortization of Electric Utility Plant - Meters only											
	(\$62,288,063)	(\$38,462,436)	\$0	(\$14,253,589)	(\$8,037,320)	(\$1,392,507)	(\$142,211)	\$0	\$0		
	\$120,936,551	\$74,677,461	\$0	\$27,674,321	\$15,605,010	\$2,703,647	\$276,113	\$0	\$0		
<u>Misc Revenue</u>											
4082	Retail Services Revenues	(\$467,880)	(\$199,517)	(\$10,773)	(\$75,736)	(\$111,796)	(\$38,216)	(\$17,327)	(\$9,838)	(\$4,679)	CWNB
4084	Service Transaction Requests (STR) Revenues	(\$28,360)	(\$12,093)	(\$653)	(\$4,591)	(\$6,776)	(\$2,316)	(\$1,050)	(\$596)	(\$284)	CWNB
4090	Electric Services Incidental to Energy Sales	(\$2,115,000)	(\$901,894)	(\$48,699)	(\$342,354)	(\$505,360)	(\$172,750)	(\$78,324)	(\$44,470)	(\$21,149)	CWNB
4220	Other Electric Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	NFA
4225	Late Payment Charges	(\$4,000,000)	(\$2,229,964)	(\$90,781)	(\$920,612)	(\$646,365)	(\$89,987)	(\$14,363)	\$0	(\$7,928)	LPHA
Sub-total		(\$6,611,240)	(\$3,343,468)	(\$150,906)	(\$1,343,292)	(\$1,270,297)	(\$303,269)	(\$111,064)	(\$54,904)	(\$34,039)	
<u>Operation</u>											
5065	Meter Expense	\$845,002	\$521,783	\$0	\$193,365	\$109,035	\$18,891	\$1,929	\$0	\$0	CWMC
5070	Customer Premises - Operation Labour	\$2,532,470	\$1,822,739	\$160,934	\$205,564	\$35,843	\$1,308	\$146	\$271,085	\$34,850	CCA
5075	Customer Premises - Materials and Expenses	\$334,323	\$240,628	\$21,246	\$27,137	\$4,732	\$173	\$19	\$35,787	\$4,601	CCA
Sub-total		\$3,711,795	\$2,585,150	\$182,180	\$426,066	\$149,610	\$20,372	\$2,094	\$306,872	\$39,451	
<u>Maintenance</u>											
5175	Maintenance of Meters	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1860
<u>Billing and Collection</u>											
5310	Meter Reading Expense	\$4,020,342	\$2,511,917	\$0	\$750,328	\$627,622	\$112,181	\$18,294	\$0	\$0	CWMR
5315	Customer Billing	\$10,123,962	\$5,340,964	\$747,456	\$2,212,101	\$1,322,940	\$35,912	\$6,361	\$145	\$458,083	CWNB
5320	Collecting	\$19,389,048	\$10,228,823	\$1,431,501	\$4,236,537	\$2,533,648	\$68,777	\$12,182	\$277	\$877,304	CWNB
5325	Collecting- Cash Over and Short	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	CWNB
5330	Collection Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	CWNB
Sub-total		\$33,533,352	\$18,081,704	\$2,178,957	\$7,198,966	\$4,484,210	\$216,870	\$36,837	\$422	\$1,335,387	
Total Operation, Maintenance and Billing		\$37,245,147	\$20,666,854	\$2,361,137	\$7,625,033	\$4,633,819	\$237,242	\$38,931	\$307,294	\$1,374,838	
Amortization Expense - Meters		\$13,797,005	\$8,519,553	\$0	\$3,157,215	\$1,780,292	\$308,445	\$31,500	\$0	\$0	
Allocated PILs		\$926,756	\$572,521	\$0	\$211,979	\$119,469	\$20,703	\$2,084	\$0	\$0	
Allocated Debt Return		\$3,100,826	\$1,915,595	\$0	\$709,259	\$399,729	\$69,270	\$6,973	\$0	\$0	
Allocated Equity Return		\$4,672,339	\$2,886,427	\$0	\$1,068,714	\$602,314	\$104,377	\$10,507	\$0	\$0	
Total		\$53,130,833	\$31,217,482	\$2,210,230	\$11,428,908	\$6,265,327	\$436,767	(\$21,068)	\$252,390	\$1,340,798	

Scenario 2

Accounts included in Directly Related Customer Costs Plus General Administration Allocation

USoA Account #	Accounts	Total	1	2	3	4	5	6	7	9	
			Residential	Competitive Sector Multi-Unit Residential	GS<50	GS - 50 to 999	GS - 1000 to 4999	Large Use >5MV	Street Light	Unmetered Scattered Load	
1860	<u>Distribution Plant</u> Meters	\$183,224,614	\$113,139,896	\$0	\$41,927,909	\$23,642,330	\$4,096,154	\$418,324	\$0	\$0	CWMC
	<u>Accumulated Amortization</u> Accum. Amortization of Electric Utility Plant - Meters only	(\$62,288,063)	(\$38,462,436)	\$0	(\$14,253,589)	(\$8,037,320)	(\$1,392,507)	(\$142,211)	\$0	\$0	
	Meter Net Fixed Assets	\$120,936,551	\$74,677,461	\$0	\$27,674,321	\$15,605,010	\$2,703,647	\$276,113	\$0	\$0	
	Allocated General Plant Net Fixed Assets	\$15,266,771	\$9,389,434	\$0	\$3,507,311	\$1,986,840	\$343,573	\$39,614	\$0	\$0	
	Meter Net Fixed Assets Including General Plant	\$136,203,323	\$84,066,894	\$0	\$31,181,632	\$17,591,850	\$3,047,220	\$315,727	\$0	\$0	
	<u>Misc Revenue</u>										
4082	Retail Services Revenues	(\$467,880)	(\$199,517)	(\$10,773)	(\$75,736)	(\$111,796)	(\$38,216)	(\$17,327)	(\$9,838)	(\$4,679)	CWNB
4084	Service Transaction Requests (STR) Revenues	(\$28,360)	(\$12,093)	(\$653)	(\$4,591)	(\$6,776)	(\$2,316)	(\$1,050)	(\$596)	(\$284)	CWNB
4090	Electric Services Incidental to Energy Sales	(\$2,115,000)	(\$901,894)	(\$48,699)	(\$342,354)	(\$505,360)	(\$172,750)	(\$78,324)	(\$44,470)	(\$21,149)	CWNB

4220	Other Electric Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	NFA
4225	Late Payment Charges	(\$4,000,000)	(\$2,229,964)	(\$90,781)	(\$920,612)	(\$646,365)	(\$89,987)	(\$14,363)	\$0	(\$7,928)	LPHA
Sub-total		(\$6,611,240)	(\$3,343,468)	(\$150,906)	(\$1,343,292)	(\$1,270,297)	(\$303,269)	(\$111,064)	(\$54,904)	(\$34,039)	
Operation											
5065	Meter Expense	\$845,002	\$521,783	\$0	\$193,365	\$109,035	\$18,891	\$1,929	\$0	\$0	CWMC
5070	Customer Premises - Operation Labour	\$2,532,470	\$1,822,739	\$160,934	\$205,564	\$35,843	\$1,308	\$146	\$271,085	\$34,850	CCA
5075	Customer Premises - Materials and Expenses	\$334,323	\$240,628	\$21,246	\$27,137	\$4,732	\$173	\$19	\$35,787	\$4,601	CCA
Sub-total		\$3,711,795	\$2,585,150	\$182,180	\$426,066	\$149,610	\$20,372	\$2,094	\$306,872	\$39,451	
Maintenance											
5175	Maintenance of Meters	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1860
Billing and Collection											
5310	Meter Reading Expense	\$4,020,342	\$2,511,917	\$0	\$750,328	\$627,622	\$112,181	\$18,294	\$0	\$0	CWMC
5315	Customer Billing	\$10,123,962	\$5,340,964	\$747,456	\$2,212,101	\$1,322,940	\$35,912	\$6,361	\$145	\$458,083	CWNB
5320	Collecting	\$19,389,048	\$10,228,823	\$1,431,501	\$4,236,537	\$2,533,648	\$68,777	\$12,182	\$277	\$877,304	CWNB
5325	Collecting- Cash Over and Short	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	CWNB
5330	Collection Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	CWNB
Sub-total		\$33,533,352	\$18,081,704	\$2,178,957	\$7,198,966	\$4,484,210	\$216,870	\$36,837	\$422	\$1,335,387	
Total Operation, Maintenance and Billing		\$37,245,147	\$20,666,854	\$2,361,137	\$7,625,033	\$4,633,819	\$237,242	\$38,931	\$307,294	\$1,374,838	
Amortization Expense - Meters		\$13,797,005	\$8,519,553	\$0	\$3,157,215	\$1,780,292	\$308,445	\$31,500	\$0	\$0	
Amortization Expense - General Plant assigned to Meters		\$2,803,166	\$1,724,015	\$0	\$643,985	\$364,808	\$63,084	\$7,274	\$0	\$0	
Admin and General		\$20,704,239	\$11,590,291	\$1,308,734	\$4,186,914	\$2,584,833	\$133,198	\$22,516	\$171,084	\$706,669	
Allocated PILs		\$1,043,747	\$644,506	\$0	\$238,844	\$134,680	\$23,334	\$2,383	\$0	\$0	
Allocated Debt Return		\$3,492,264	\$2,156,448	\$0	\$799,147	\$450,623	\$78,073	\$7,973	\$0	\$0	
Allocated Equity Return		\$5,262,161	\$3,249,347	\$0	\$1,204,158	\$679,001	\$117,640	\$12,014	\$0	\$0	
Total		\$77,736,490	\$45,207,545	\$3,518,965	\$16,512,004	\$9,357,760	\$657,746	\$11,528	\$423,474	\$2,047,468	

Scenario 3

Minimum System Customer Costs Adjusted for PLCC - High Limit Fixed Customer Charge

USoA Account #	Accounts	Total	1 Residential	2 Competitive Sector Multi-Unit Residential	3 GS<50	4 GS - 50 to 999	5 GS - 1000 to 4999	6 Large Use >5MV	7 Street Light	9 Unmetered Scattered Load	
Distribution Plant											
1565	Conservation and Demand Management Expenditures and Recoveries	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	CDMPP
1830	Poles, Towers and Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	#N/A
	Poles, Towers and Fixtures - Subtransmission Bulk Delivery	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	BCP
1830-3	Poles, Towers and Fixtures - Primary	\$62,487,366	\$49,696,454	\$4,387,826	\$12,728	\$28,619	\$16,944	\$3,567	\$7,391,053	\$950,174	PNCP
1830-5	Poles, Towers and Fixtures - Secondary	\$39,950,939	\$28,780,378	\$2,541,093	\$3,238,412	\$549,376	\$10,846	\$235	\$4,280,332	\$550,268	SNCP
1835	Overhead Conductors and Devices	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	#N/A
	Overhead Conductors and Devices - Subtransmission Bulk Delivery	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	BCP
1835-3	Overhead Conductors and Devices - Primary	\$54,684,869	\$43,491,097	\$3,839,939	\$11,139	\$25,045	\$14,828	\$3,122	\$6,468,168	\$831,530	PNCP
1835-5	Overhead Conductors and Devices - Secondary	\$34,962,458	\$25,186,711	\$2,223,799	\$2,834,047	\$480,778	\$9,491	\$205	\$3,745,867	\$481,559	SNCP
1840	Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	#N/A
1840-3	Underground Conduit - Bulk Delivery	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	BCP
1840-4	Underground Conduit - Primary	\$269,310,164	\$214,183,459	\$18,910,801	\$54,857	\$123,342	\$73,027	\$15,374	\$31,854,212	\$4,095,092	PNCP
1840-5	Underground Conduit - Secondary	\$107,927,774	\$77,750,417	\$6,864,782	\$8,748,595	\$1,484,143	\$29,300	\$634	\$11,563,350	\$1,486,553	SNCP
1845	Underground Conductors and Devices	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	#N/A
	Underground Conductors and Devices - Bulk Delivery	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	BCP
1845-3	Underground Conductors and Devices - Primary	\$112,330,625	\$89,336,999	\$7,887,790	\$22,881	\$51,447	\$30,460	\$6,413	\$13,286,552	\$1,708,084	PNCP

1845-5	Underground Conductors and Devices - Secondary	\$45,017,218	\$32,430,090	\$2,863,335	\$3,649,083	\$619,044	\$12,221	\$265	\$4,823,131	\$620,049	SNCP
1850	Line Transformers	\$191,530,681	\$147,916,169	\$13,059,894	\$0	\$2,858,013	\$2,858,013	\$11,824	\$21,998,678	\$2,828,091	LTNCP
1855	Services	\$557,517,046	\$492,354,759	\$173,885	\$55,400,503	\$9,398,343	\$185,541	\$4,016	\$0	\$0	CWCS
1860	Meters	\$183,224,614	\$113,139,896	\$0	\$41,927,909	\$23,642,330	\$4,096,154	\$418,324	\$0	\$0	CWMC
Sub-total		\$1,658,943,754	\$1,314,266,429	\$62,753,142	\$115,900,155	\$39,260,479	\$7,336,825	\$463,979	\$105,411,344	\$13,551,400	
Accumulated Amortization											
Accum. Amortization of Electric Utility Plant -Line Transformers, Services and Meters											
		(\$813,402,291)	(\$649,754,198)	(\$31,912,349)	(\$51,604,406)	(\$16,180,883)	(\$3,287,996)	(\$165,718)	(\$53,605,377)	(\$6,891,364)	
Customer Related Net Fixed Assets		\$845,541,463	\$664,512,232	\$30,840,793	\$64,295,748	\$23,079,597	\$4,048,829	\$298,261	\$51,805,966	\$6,660,036	
Allocated General Plant Net Fixed Assets		\$106,905,256	\$83,551,227	\$4,115,143	\$8,148,536	\$2,938,509	\$514,515	\$42,791	\$6,732,081	\$862,454	
Customer Related NFA Including General Plant		\$952,446,719	\$748,063,458	\$34,955,936	\$72,444,284	\$26,018,106	\$4,563,345	\$341,052	\$58,538,048	\$7,522,490	
Misc Revenue											
4082	Retail Services Revenues	(\$467,880)	(\$199,517)	(\$10,773)	(\$75,736)	(\$111,796)	(\$38,216)	(\$17,327)	(\$9,838)	(\$4,679)	CWNB
4084	Service Transaction Requests (STR) Revenues	(\$28,360)	(\$12,093)	(\$653)	(\$4,591)	(\$6,776)	(\$2,316)	(\$1,050)	(\$596)	(\$284)	CWNB
4090	Electric Services Incidental to Energy Sales	(\$2,115,000)	(\$901,894)	(\$48,699)	(\$342,354)	(\$505,360)	(\$172,750)	(\$78,324)	(\$44,470)	(\$21,149)	CWNB
4220	Other Electric Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	NFA
4225	Late Payment Charges	(\$4,000,000)	(\$2,229,964)	(\$90,781)	(\$920,612)	(\$646,365)	(\$89,987)	(\$14,363)	\$0	(\$7,928)	LPHA
4235	Miscellaneous Service Revenues	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	CWNB
Sub-total		(\$6,611,240)	(\$3,343,468)	(\$150,906)	(\$1,343,292)	(\$1,270,297)	(\$303,269)	(\$111,064)	(\$54,904)	(\$34,039)	
Operating and Maintenance											
5005	Operation Supervision and Engineering	\$7,245,609	\$5,873,354	\$306,784	\$364,678	\$92,339	\$23,421	\$3,860	\$514,931	\$66,241	1815-1855
5010	Load Dispatching	\$2,536,440	\$2,056,061	\$107,395	\$127,661	\$32,325	\$8,199	\$1,351	\$180,260	\$23,189	1815-1855
5020	Overhead Distribution Lines and Feeders - Operation Labour	\$206,215	\$157,979	\$13,948	\$6,545	\$1,164	\$56	\$8	\$23,495	\$3,020	1830 & 1835
5025	Overhead Distribution Lines & Feeders - Operation Supplies and Expenses	\$324,805	\$248,829	\$21,970	\$10,309	\$1,833	\$88	\$12	\$37,007	\$4,758	1830 & 1835
5035	Overhead Distribution Transformers- Operation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1850
5040	Underground Distribution Lines and Feeders - Operation Labour	\$177,068	\$137,028	\$12,099	\$4,132	\$755	\$48	\$8	\$20,379	\$2,620	1840 & 1845
5045	Underground Distribution Lines & Feeders - Operation Supplies & Expenses	\$818,435	\$633,364	\$55,921	\$19,099	\$3,488	\$222	\$35	\$94,196	\$12,110	1840 & 1845
5055	Underground Distribution Transformers - Operation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1850
5065	Meter Expense	\$845,002	\$521,783	\$0	\$193,365	\$109,035	\$18,891	\$1,929	\$0	\$0	CWMC
5070	Customer Premises - Operation Labour	\$2,532,470	\$1,822,739	\$160,934	\$205,564	\$35,843	\$1,308	\$146	\$271,085	\$34,850	CCA
5075	Customer Premises - Materials and Expenses	\$334,323	\$240,628	\$21,246	\$27,137	\$4,732	\$173	\$19	\$35,787	\$4,601	CCA
5085	Miscellaneous Distribution Expense	\$1,695,511	\$1,374,396	\$71,789	\$85,337	\$21,608	\$5,481	\$903	\$120,497	\$15,501	1815-1855
5090	Underground Distribution Lines and Feeders - Rental Paid	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1840 & 1845
5095	Overhead Distribution Lines and Feeders - Rental Paid	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1830 & 1835
5096	Other Rent	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	O&M
5105	Maintenance Supervision and Engineering	\$3,674,909	\$2,978,914	\$155,598	\$184,962	\$46,834	\$11,879	\$1,958	\$261,168	\$33,597	1815-1855
5120	Maintenance of Poles, Towers and Fixtures	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1830
5125	Maintenance of Overhead Conductors and Devices	\$3,351,797	\$2,567,774	\$226,715	\$106,378	\$18,912	\$909	\$124	\$381,890	\$49,095	1835
5130	Maintenance of Overhead Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1855
5135	Overhead Distribution Lines and Feeders - Right of Way	\$1,061,229	\$812,995	\$71,781	\$33,681	\$5,988	\$288	\$39	\$120,912	\$15,544	1830 & 1835
5145	Maintenance of Underground Conduit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1840
5150	Maintenance of Underground Conductors and Devices	\$1,773,580	\$1,372,524	\$121,184	\$41,389	\$7,558	\$481	\$75	\$204,127	\$26,242	1845
5155	Maintenance of Underground Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1855
5160	Maintenance of Line Transformers	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1850
5175	Maintenance of Meters	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1860
Sub-total		\$26,577,392	\$20,798,369	\$1,347,364	\$1,410,238	\$382,410	\$71,443	\$10,467	\$2,265,734	\$291,367	

5305	Billing and Collection										
	Supervision	\$289,494	\$152,725	\$21,373	\$63,255	\$37,829	\$1,027	\$182	\$4	\$13,099	CWNB
5310	Meter Reading Expense	\$4,020,342	\$2,511,917	\$0	\$750,328	\$627,622	\$112,181	\$18,294	\$0	\$0	CWNR
5315	Customer Billing	\$10,123,962	\$5,340,964	\$747,456	\$2,212,101	\$1,322,940	\$35,912	\$6,361	\$145	\$458,083	CWNB
5320	Collecting	\$19,389,048	\$10,228,823	\$1,431,501	\$4,236,537	\$2,533,648	\$68,777	\$12,182	\$277	\$877,304	CWNB
5325	Collecting- Cash Over and Short	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	CWNB
5330	Collection Charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	CWNB
5335	Bad Debt Expense	\$7,000,000	\$4,193,935	\$96	\$1,849,750	\$817,244	\$136,989	\$0	\$0	\$1,986	BDHA
5340	Miscellaneous Customer Accounts Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	CWNB

Sub-total	\$40,822,846	\$22,428,364	\$2,200,426	\$9,111,971	\$5,339,284	\$354,885	\$37,019	\$426	\$1,350,471
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Sub Total Operating, Maintenance and Billing	\$67,400,238	\$43,226,732	\$3,547,790	\$10,522,208	\$5,721,694	\$426,329	\$47,486	\$2,266,160	\$1,641,838
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Amortization Expense - Customer Related	\$47,713,140	\$35,209,573	\$1,598,101	\$4,629,617	\$2,526,686	\$598,693	\$129,012	\$2,676,259	\$345,197
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Amortization Expense - General Plant assigned to Meters	\$19,629,111	\$15,341,025	\$755,591	\$1,496,171	\$539,546	\$94,471	\$7,857	\$1,236,092	\$158,357
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Admin and General	\$37,550,523	\$24,242,218	\$1,966,474	\$5,777,756	\$3,191,671	\$239,359	\$27,463	\$1,261,672	\$843,908
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Allocated PILs	\$7,297,475	\$5,735,096	\$266,173	\$554,907	\$199,189	\$34,944	\$2,574	\$447,113	\$57,480
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Allocated Debt Return	\$24,416,557	\$19,189,007	\$890,584	\$1,856,657	\$666,466	\$116,917	\$8,613	\$1,495,992	\$192,321
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Allocated Equity Return	\$36,790,989	\$28,914,090	\$1,341,937	\$2,797,621	\$1,004,234	\$176,172	\$12,978	\$2,254,168	\$289,790
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PLCC Adjustment for Line Transformer	\$4,856,160	\$4,234,389	\$376,362	\$0	\$81,929	\$81,912	\$344	\$0	\$81,224
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PLCC Adjustment for Primary Costs	\$11,817,855	\$10,654,920	\$946,323	\$2,727	\$6,094	\$3,590	\$767	\$0	\$203,432
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PLCC Adjustment for Secondary Costs	\$14,316,857	\$11,001,277	\$2,816,211	\$2,651	\$5,853	\$3,441	\$0	\$0	\$487,425
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Total	\$203,195,922	\$142,623,688	\$6,076,848	\$26,286,267	\$12,485,313	\$1,294,673	\$123,808	\$11,582,553	\$2,722,771
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Below: Grouping to avoid disclosure

Scenario 1

Accounts included in Avoided Costs Plus General Administration Allocation

Accounts	Total	Residential	Competitive Sector Multi-Unit Residential	GS<50	GS - 50 to 999	GS - 1000 to 4999	Large Use >5MV	Street Light	Unmetered Scattered Load
Distribution Plant									
CWMC	\$ 183,224,614	\$ 113,139,896	\$ -	\$ 41,927,909	\$ 23,642,330	\$ 4,096,154	\$ 418,324	\$ -	\$ -
Accumulated Amortization									
Accum. Amortization of Electric Utility Plant - Meters only	\$ (62,288,063)	\$ (38,462,436)	\$ -	\$ (14,253,589)	\$ (8,037,320)	\$ (1,392,507)	\$ (142,211)	\$ -	\$ -
Meter Net Fixed Assets	\$ 120,936,551	\$ 74,677,461	\$ -	\$ 27,674,321	\$ 15,605,010	\$ 2,703,647	\$ 276,113	\$ -	\$ -
Misc Revenue									
CWNB	\$ (2,611,240)	\$ (1,113,505)	\$ (60,125)	\$ (422,680)	\$ (623,932)	\$ (213,282)	\$ (96,701)	\$ (54,904)	\$ (26,111)
NFA	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
LPHA	\$ (4,000,000)	\$ (2,229,964)	\$ (90,781)	\$ (920,612)	\$ (646,365)	\$ (89,987)	\$ (14,363)	\$ -	\$ (7,928)
Sub-total	\$ (6,611,240)	\$ (3,343,468)	\$ (150,906)	\$ (1,343,292)	\$ (1,270,297)	\$ (303,269)	\$ (111,064)	\$ (54,904)	\$ (34,039)
Operation									
CWMC	\$ 845,002	\$ 521,783	\$ -	\$ 193,365	\$ 109,035	\$ 18,891	\$ 1,929	\$ -	\$ -
CCA	\$ 2,866,793	\$ 2,063,368	\$ 182,180	\$ 232,702	\$ 40,575	\$ 1,481	\$ 165	\$ 306,872	\$ 39,451
Sub-total	\$ 3,711,795	\$ 2,585,150	\$ 182,180	\$ 426,066	\$ 149,610	\$ 20,372	\$ 2,094	\$ 306,872	\$ 39,451
Maintenance									
1860	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Billing and Collection									
CWNR	\$ 4,020,342	\$ 2,511,917	\$ -	\$ 750,328	\$ 627,622	\$ 112,181	\$ 18,294	\$ -	\$ -

CWNB	\$	29,513,010	\$	15,569,787	\$	2,178,957	\$	6,448,638	\$	3,856,588	\$	104,688	\$	18,543	\$	422	\$	1,335,387
Sub-total	\$	33,533,352	\$	18,081,704	\$	2,178,957	\$	7,198,966	\$	4,484,210	\$	216,870	\$	36,837	\$	422	\$	1,335,387
Total Operation, Maintenance and Billing	\$	37,245,147	\$	20,666,854	\$	2,361,137	\$	7,625,033	\$	4,633,819	\$	237,242	\$	38,931	\$	307,294	\$	1,374,838
Amortization Expense - Meters	\$	13,797,005	\$	8,519,553	\$	-	\$	3,157,215	\$	1,780,292	\$	308,445	\$	31,500	\$	-	\$	-
Allocated PILs	\$	926,756	\$	572,521	\$	-	\$	211,979	\$	119,469	\$	20,703	\$	2,084	\$	-	\$	-
Allocated Debt Return	\$	3,100,826	\$	1,915,595	\$	-	\$	709,259	\$	399,729	\$	69,270	\$	6,973	\$	-	\$	-
Allocated Equity Return	\$	4,672,339	\$	2,886,427	\$	-	\$	1,068,714	\$	602,314	\$	104,377	\$	10,507	\$	-	\$	-
Total	\$	53,130,833	\$	31,217,482	\$	2,210,230	\$	11,428,908	\$	6,265,327	\$	436,767	\$	(21,068)	\$	252,390	\$	1,340,798

Scenario 2

Accounts included in Directly Related Customer Costs Plus General Administration Allocation

Accounts	Total	Residential	Competitive Sector Multi-Unit Residential	GS<50	GS - 50 to 999	GS - 1000 to 4999	Large Use >5MV	Street Light	Unmetered Scattered Load
<u>Distribution Plant</u>									
CWMC	\$ 183,224,614	\$ 113,139,896	\$ -	\$ 41,927,909	\$ 23,642,330	\$ 4,096,154	\$ 418,324	\$ -	\$ -
<u>Accumulated Amortization</u>									
Accum. Amortization of Electric Utility Plant - Meters only	\$ (62,288,063)	\$ (38,462,436)	\$ -	\$ (14,253,589)	\$ (8,037,320)	\$ (1,392,507)	\$ (142,211)	\$ -	\$ -
Meter Net Fixed Assets	\$ 120,936,551	\$ 74,677,461	\$ -	\$ 27,674,321	\$ 15,605,010	\$ 2,703,647	\$ 276,113	\$ -	\$ -
Allocated General Plant Net Fixed Assets	\$ 15,266,771	\$ 9,389,434	\$ -	\$ 3,507,311	\$ 1,986,840	\$ 343,573	\$ 39,614	\$ -	\$ -
Meter Net Fixed Assets Including General Plant	\$ 136,203,323	\$ 84,066,894	\$ -	\$ 31,181,632	\$ 17,591,850	\$ 3,047,220	\$ 315,727	\$ -	\$ -
<u>Misc Revenue</u>									
CWNB	\$ (2,611,240)	\$ (1,113,505)	\$ (60,125)	\$ (422,680)	\$ (623,932)	\$ (213,282)	\$ (96,701)	\$ (54,904)	\$ (26,111)
NFA	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
LPHA	\$ (4,000,000)	\$ (2,229,964)	\$ (90,781)	\$ (920,612)	\$ (646,365)	\$ (89,987)	\$ (14,363)	\$ -	\$ (7,928)
Sub-total	\$ (6,611,240)	\$ (3,343,468)	\$ (150,906)	\$ (1,343,292)	\$ (1,270,297)	\$ (303,269)	\$ (111,064)	\$ (54,904)	\$ (34,039)
<u>Operation</u>									
CWMC	\$ 845,002	\$ 521,783	\$ -	\$ 193,365	\$ 109,035	\$ 18,891	\$ 1,929	\$ -	\$ -
CCA	\$ 2,866,793	\$ 2,063,368	\$ 182,180	\$ 232,702	\$ 40,575	\$ 1,481	\$ 165	\$ 306,872	\$ 39,451
Sub-total	\$ 3,711,795	\$ 2,585,150	\$ 182,180	\$ 426,066	\$ 149,610	\$ 20,372	\$ 2,094	\$ 306,872	\$ 39,451
<u>Maintenance</u>									
1860	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<u>Billing and Collection</u>									
CWMR	\$ 4,020,342	\$ 2,511,917	\$ -	\$ 750,328	\$ 627,622	\$ 112,181	\$ 18,294	\$ -	\$ -
CWNB	\$ 29,513,010	\$ 15,569,787	\$ 2,178,957	\$ 6,448,638	\$ 3,856,588	\$ 104,688	\$ 18,543	\$ 422	\$ 1,335,387
Sub-total	\$ 33,533,352	\$ 18,081,704	\$ 2,178,957	\$ 7,198,966	\$ 4,484,210	\$ 216,870	\$ 36,837	\$ 422	\$ 1,335,387
Total Operation, Maintenance and Billing	\$ 37,245,147	\$ 20,666,854	\$ 2,361,137	\$ 7,625,033	\$ 4,633,819	\$ 237,242	\$ 38,931	\$ 307,294	\$ 1,374,838
Amortization Expense - Meters	\$ 13,797,005	\$ 8,519,553	\$ -	\$ 3,157,215	\$ 1,780,292	\$ 308,445	\$ 31,500	\$ -	\$ -
Amortization Expense - General Plant assigned to Meters	\$ 2,803,166	\$ 1,724,015	\$ -	\$ 643,985	\$ 364,808	\$ 63,084	\$ 7,274	\$ -	\$ -
Admin and General	\$ 20,704,239	\$ 11,590,291	\$ 1,308,734	\$ 4,186,914	\$ 2,584,833	\$ 133,198	\$ 22,516	\$ 171,084	\$ 706,669
Allocated PILs	\$ 1,043,747	\$ 644,506	\$ -	\$ 238,844	\$ 134,680	\$ 23,334	\$ 2,383	\$ -	\$ -
Allocated Debt Return	\$ 3,492,264	\$ 2,156,448	\$ -	\$ 799,147	\$ 450,623	\$ 78,073	\$ 7,973	\$ -	\$ -
Allocated Equity Return	\$ 5,262,161	\$ 3,249,347	\$ -	\$ 1,204,158	\$ 679,001	\$ 117,640	\$ 12,014	\$ -	\$ -
Total	\$ 77,736,490	\$ 45,207,545	\$ 3,518,965	\$ 16,512,004	\$ 9,357,760	\$ 657,746	\$ 11,528	\$ 423,474	\$ 2,047,468

Scenario 3

Minimum System Customer Costs Adjusted for PLCC - High Limit Fixed Customer Charge

USoA Account #	Accounts	Total	Residential	Competitive Sector Multi-Unit Residential	GS<50	GS - 50 to 999	GS - 1000 to 4999	Large Use >5MV	Street Light	Unmetered Scattered Load
<u>Distribution Plant</u>										
CDMPP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Poles, Towers and Fixtures		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
BCP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PNCP		\$ 498,813,024	\$ 396,708,009	\$ 35,026,356	\$ 101,606	\$ 228,452	\$ 135,259	\$ 28,476	\$ 58,999,985	\$ 7,584,880
SNCP		\$ 227,858,388	\$ 164,147,597	\$ 14,493,008	\$ 18,470,136	\$ 3,133,341	\$ 61,858	\$ 1,339	\$ 24,412,680	\$ 3,138,429
Overhead Conductors and Devices		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
LTNCP		\$ 191,530,681	\$ 147,916,169	\$ 13,059,894	\$ -	\$ 2,858,013	\$ 2,858,013	\$ 11,824	\$ 21,998,678	\$ 2,828,091
CWCS		\$ 557,517,046	\$ 492,354,759	\$ 173,885	\$ 55,400,503	\$ 9,398,343	\$ 185,541	\$ 4,016	\$ -	\$ -
CWMC		\$ 183,224,614	\$ 113,139,896	\$ -	\$ 41,927,909	\$ 23,642,330	\$ 4,096,154	\$ 418,324	\$ -	\$ -
Sub-total		\$ 1,658,943,754	\$ 1,314,266,429	\$ 62,753,142	\$ 115,900,155	\$ 39,260,479	\$ 7,336,825	\$ 463,979	\$ 105,411,344	\$ 13,551,400
<u>Accumulated Amortization</u>										
Accum. Amortization of Electric Utility Plant -Line Transformers, Services and Meters		\$ (813,402,291)	\$ (649,754,198)	\$ (31,912,349)	\$ (51,604,406)	\$ (16,180,883)	\$ (3,287,996)	\$ (165,718)	\$ (53,605,377)	\$ (6,891,364)
Customer Related Net Fixed Assets		\$ 845,541,463	\$ 664,512,232	\$ 30,840,793	\$ 64,295,748	\$ 23,079,597	\$ 4,048,829	\$ 298,261	\$ 51,805,966	\$ 6,660,036
Allocated General Plant Net Fixed Assets		\$ 106,905,256	\$ 83,551,227	\$ 4,115,143	\$ 8,148,536	\$ 2,938,509	\$ 514,515	\$ 42,791	\$ 6,732,081	\$ 862,454
Customer Related NFA Including General Plant		\$ 952,446,719	\$ 748,063,458	\$ 34,955,936	\$ 72,444,284	\$ 26,018,106	\$ 4,563,345	\$ 341,052	\$ 58,538,048	\$ 7,522,490
<u>Misc Revenue</u>										
CWNB		\$ (2,611,240)	\$ (1,113,505)	\$ (60,125)	\$ (422,680)	\$ (623,932)	\$ (213,282)	\$ (96,701)	\$ (54,904)	\$ (26,111)
NFA		\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
LPHA		\$ (4,000,000)	\$ (2,229,964)	\$ (90,781)	\$ (920,612)	\$ (646,365)	\$ (89,987)	\$ (14,363)	\$ -	\$ (7,928)
Sub-total		\$ (6,611,240)	\$ (3,343,468)	\$ (150,906)	\$ (1,343,292)	\$ (1,270,297)	\$ (303,269)	\$ (111,064)	\$ (54,904)	\$ (34,039)
<u>Operating and Maintenance</u>										
1815-1855		\$ 15,152,469	\$ 12,282,725	\$ 641,566	\$ 762,638	\$ 193,105	\$ 48,979	\$ 8,071	\$ 1,076,856	\$ 138,528
1830 & 1835		\$ 1,592,248	\$ 1,219,803	\$ 107,700	\$ 50,534	\$ 8,984	\$ 432	\$ 59	\$ 181,414	\$ 23,322
1850		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1840 & 1845		\$ 995,503	\$ 770,392	\$ 68,020	\$ 23,232	\$ 4,242	\$ 270	\$ 42	\$ 114,576	\$ 14,730
CWMC		\$ 845,002	\$ 521,783	\$ -	\$ 193,365	\$ 109,035	\$ 18,891	\$ 1,929	\$ -	\$ -
CCA		\$ 2,866,793	\$ 2,063,368	\$ 182,180	\$ 232,702	\$ 40,575	\$ 1,481	\$ 165	\$ 306,872	\$ 39,451
O&M		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1830		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1835		\$ 3,351,797	\$ 2,567,774	\$ 226,715	\$ 106,378	\$ 18,912	\$ 909	\$ 124	\$ 381,890	\$ 49,095
1855		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1840		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1845		\$ 1,773,580	\$ 1,372,524	\$ 121,184	\$ 41,389	\$ 7,558	\$ 481	\$ 75	\$ 204,127	\$ 26,242
1860		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total		\$ 26,577,392	\$ 20,798,369	\$ 1,347,364	\$ 1,410,238	\$ 382,410	\$ 71,443	\$ 10,467	\$ 2,265,734	\$ 291,367
<u>Billing and Collection</u>										
CWNB		\$ 29,802,504	\$ 15,722,511	\$ 2,200,330	\$ 6,511,893	\$ 3,894,418	\$ 105,715	\$ 18,725	\$ 426	\$ 1,348,486
CWMR		\$ 4,020,342	\$ 2,511,917	\$ -	\$ 750,328	\$ 627,622	\$ 112,181	\$ 18,294	\$ -	\$ -
BDHA		\$ 7,000,000	\$ 4,193,935	\$ 96	\$ 1,849,750	\$ 817,244	\$ 136,989	\$ -	\$ -	\$ 1,986
Sub-total		\$ 40,822,846	\$ 22,428,364	\$ 2,200,426	\$ 9,111,971	\$ 5,339,284	\$ 354,885	\$ 37,019	\$ 426	\$ 1,350,471
Sub Total Operating, Maintenance and Billing		\$ 67,400,238	\$ 43,226,732	\$ 3,547,790	\$ 10,522,208	\$ 5,721,694	\$ 426,329	\$ 47,486	\$ 2,266,160	\$ 1,641,838
Amortization Expense - Customer Related		\$ 47,713,140	\$ 35,209,573	\$ 1,598,101	\$ 4,629,617	\$ 2,526,686	\$ 598,693	\$ 129,012	\$ 2,676,259	\$ 345,197
Amortization Expense - General Plant assigned to Meters		\$ 19,629,111	\$ 15,341,025	\$ 755,591	\$ 1,496,171	\$ 539,546	\$ 94,471	\$ 7,857	\$ 1,236,092	\$ 158,357
Admin and General		\$ 37,550,523	\$ 24,242,218	\$ 1,966,474	\$ 5,777,756	\$ 3,191,671	\$ 239,359	\$ 27,463	\$ 1,261,672	\$ 843,908
Allocated PILS		\$ 7,297,475	\$ 5,735,096	\$ 266,173	\$ 554,907	\$ 199,189	\$ 34,944	\$ 2,574	\$ 447,113	\$ 57,480
Allocated Debt Return		\$ 24,416,557	\$ 19,189,007	\$ 890,584	\$ 1,856,657	\$ 666,466	\$ 116,917	\$ 8,613	\$ 1,495,992	\$ 192,321
Allocated Equity Return		\$ 36,790,989	\$ 28,914,090	\$ 1,341,937	\$ 2,797,621	\$ 1,004,234	\$ 176,172	\$ 12,978	\$ 2,254,168	\$ 289,790

PLCC Adjustment for Line Transformer	\$	4,856,160	\$	4,234,389	\$	376,362	\$	-	\$	81,929	\$	81,912	\$	344	\$	-	\$	81,224
PLCC Adjustment for Primary Costs	\$	11,817,855	\$	10,654,920	\$	946,323	\$	2,727	\$	6,094	\$	3,590	\$	767	\$	-	\$	203,432
PLCC Adjustment for Secondary Costs	\$	14,316,857	\$	11,001,277	\$	2,816,211	\$	2,651	\$	5,853	\$	3,441	\$	-	\$	-	\$	487,425
Total	\$	203,195,922	\$	142,623,688	\$	6,076,848	\$	26,286,267	\$	12,485,313	\$	1,294,673	\$	123,808	\$	11,582,553	\$	2,722,771

Billing and Collection

CWNB	\$	29,802,504	\$	15,722,511	\$	2,200,330	\$	6,511,893	\$	3,894,418	\$	105,715	\$	18,725	\$	426	\$	1,348,486
CWMR	\$	3,563,382	\$	2,226,407	\$	-	\$	665,044	\$	556,285	\$	99,431	\$	16,215	\$	-	\$	-
BDHA	\$	7,000,000	\$	4,193,935	\$	96	\$	1,849,750	\$	817,244	\$	136,989	\$	-	\$	-	\$	1,986
<i>Sub-total</i>	\$	<i>40,365,886</i>	\$	<i>22,142,854</i>	\$	<i>2,200,426</i>	\$	<i>9,026,687</i>	\$	<i>5,267,947</i>	\$	<i>342,135</i>	\$	<i>34,940</i>	\$	<i>426</i>	\$	<i>1,350,471</i>
<i>Sub Total Operating, Maintenance and Billing</i>	\$	<i>67,567,056</i>	\$	<i>43,444,723</i>	\$	<i>3,575,715</i>	\$	<i>10,466,747</i>	\$	<i>5,657,813</i>	\$	<i>415,422</i>	\$	<i>45,710</i>	\$	<i>2,313,055</i>	\$	<i>1,647,870</i>
Amortization Expense - Customer Related	\$	47,713,140	\$	35,209,573	\$	1,598,101	\$	4,629,617	\$	2,526,686	\$	598,693	\$	129,012	\$	2,676,259	\$	345,197
Amortization Expense - General Plant assigned to Meters	\$	19,629,111	\$	15,341,025	\$	755,591	\$	1,496,171	\$	539,546	\$	94,471	\$	7,857	\$	1,236,092	\$	158,357
Admin and General	\$	37,671,653	\$	24,330,353	\$	1,960,074	\$	5,740,667	\$	3,150,473	\$	232,843	\$	26,488	\$	1,381,518	\$	849,239
Allocated PILs	\$	7,297,475	\$	5,735,096	\$	266,173	\$	554,907	\$	199,189	\$	34,944	\$	2,574	\$	447,113	\$	57,480
Allocated Debt Return	\$	24,416,557	\$	19,189,007	\$	890,584	\$	1,856,657	\$	666,466	\$	116,917	\$	8,613	\$	1,495,992	\$	192,321
Allocated Equity Return	\$	36,790,989	\$	28,914,090	\$	1,341,937	\$	2,797,621	\$	1,004,234	\$	176,172	\$	12,978	\$	2,254,168	\$	289,790
PLCC Adjustment for Line Transformer	\$	4,888,084	\$	4,262,243	\$	378,822	\$	-	\$	82,467	\$	82,450	\$	346	\$	-	\$	81,757
PLCC Adjustment for Primary Costs	\$	11,889,019	\$	10,719,530	\$	951,525	\$	2,744	\$	6,132	\$	3,613	\$	772	\$	-	\$	204,704
PLCC Adjustment for Secondary Costs	\$	14,387,149	\$	11,065,098	\$	2,821,350	\$	2,667	\$	5,890	\$	3,463	\$	-	\$	-	\$	488,681
Total	\$	203,313,348	\$	142,771,672	\$	6,083,503	\$	26,193,051	\$	12,376,164	\$	1,275,437	\$	121,308	\$	11,760,396	\$	2,731,817

OEB Appendix 2-P Cost Allocation

Please complete the following four tables.

A) Allocated Costs

Classes	Costs Allocated from Previous Study	%	Costs Allocated in Test Year Study (Column 7A)	%	
Residential	\$ 256,839,427	46.86%	\$ 299,298,203	42.32%	/C
GS < 50 kW	\$ 74,280,097	13.55%	\$ 102,571,632	14.50%	/C
GS 50-999 kW	\$ 136,457,707	24.90%	\$ 164,890,991	23.31%	/C
GS 1000-4999 kW	\$ 38,493,073	7.02%	\$ 58,232,948	8.23%	/C
Large User	\$ 20,035,803	3.66%	\$ 32,133,442	4.54%	/C
Street Lighting	\$ 17,331,487	3.16%	\$ 25,838,237	3.65%	/C
Unmetered Scattered Load (USL)	\$ 4,627,832	0.84%	\$ 4,426,739	0.63%	/C
Competitive Sector Multi-Unit Residential (New Rate Class in 2013)		0.00%	\$ 19,891,011	2.81%	/C
		0.00%		0.00%	
Embedded distributor class		0.00%		0.00%	
Total	\$ 548,065,426	100.00%	\$ 707,283,203	100.00%	/C

Notes

1 Customer Classification - If proposed rate classes differ from those in place in the previous Cost Allocation study, modify the rate classes to match the current application as closely as possible.

2 Host Distributors - Provide information on embedded distributor(s) as a separate class, if applicable. If embedded distributor(s) are billed as customers in a General Service class, include the allocated cost and revenue of the embedded distributor(s) in the applicable class. Also complete Appendix 2-Q.

3 Class Revenue Requirements - If using the Board-issued model, in column 7A enter the results from Worksheet O-1, Revenue Requirement (row 40 in the 2013 model). This excludes costs in deferral and variance accounts. Note to Embedded Distributor(s), it also does not include Account 4750 - Low Voltage (LV) Costs.

B) Calculated Class Revenues

Classes (same as previous table)	Column 7B	Column 7C	Column 7D	Column 7E	
	Load Forecast (LF) X current approved rates	L.F. X current approved rates X (1 + d)	LF X proposed rates	Miscellaneous Revenue	
Residential	\$ 214,465,673	\$ 261,203,863	\$ 264,115,572	\$ 19,509,909	/C
GS < 50 kW	\$ 69,430,402	\$ 84,561,267	\$ 86,108,271	\$ 8,136,379	/C
GS 50-999 kW	\$ 158,177,191	\$ 188,339,262	\$ 188,339,262	\$ 6,474,878	/C
GS 1000-4999 kW	\$ 52,894,930	\$ 58,052,350	\$ 58,052,350	\$ 893,524	/C
Large User	\$ 27,857,584	\$ 30,106,396	\$ 30,372,044	\$ 331,508	/C
Street Lighting	\$ 12,284,580	\$ 14,961,741	\$ 12,262,440	\$ 8,843,247	/C
Unmetered Scattered Load (USL)	\$ 2,673,863	\$ 3,256,575	\$ 3,344,623	\$ 608,185	/C
Competitive Sector Multi-Unit Residential (New Rate Class in 2013)	\$ 17,001,339	\$ 20,706,416	\$ 18,593,309	\$ 1,297,703	/C
Embedded distributor class					
Total	\$ 554,785,562	\$ 661,187,870	\$ 661,187,870	\$ 46,095,333	/C

Notes:

- Columns 7B to 7D - LF means Load Forecast of Annual Billing Quantities (i.e. customers or connections X 12, (kWh or kW, as applicable). Revenue Quantities should be net of Transformer Ownership Allowance. Exclude revenue from rate adders and rate riders.
- Columns 7C and 7D - Column total in each column should equal the Base Revenue Requirement
- Columns 7C - The Board cost allocation model calculates "1+d" in worksheet O-1, cell C21. "d" is defined as Revenue Deficiency/ Revenue at Current Rates.
- Columns 7E - If using the Board-issued Cost Allocation model, enter Miscellaneous Revenue as it appears in Worksheet O-1, row 19.

C) Rebalancing Revenue-to-Cost (R/C) Ratios

Class	Previously Approved Ratios	Status Quo Ratios	Proposed Ratios	Policy Range
	Most Recent Year: 2011	(7C + 7E) / (7A)	(7D + 7E) / (7A)	
	%	%	%	%
Residential	89%	94	95	85 - 115
GS < 50 kW	97%	90	92	80 - 120
GS 50-999 kW	118%	118	118	80 - 120
GS 1000-4999 kW	124%	101	101	80 - 120
Large User	116%	95	96	85 - 115
Street Lighting	71%	92	82	70 - 120
Unmetered Scattered Load (USL)	82%	87	89	80 - 120
Competitive Sector Multi-Unit Residential (New Rate Class in 2013)		111	100	85-115
Embedded distributor class				

Notes

1 Previously Approved Revenue-to-Cost Ratios - For most applicants, Most Recent Year would be the third year of the IRM 3 period, e.g. if the applicant rebased in 2009 with further adjustments over 2 years, the Most recent year is 2011. For applicants whose most recent rebasing year is 2006, the applicant should enter the ratios from their Informational Filing.

2 Status Quo Ratios - The Board's updated Cost Allocation Model yields the Status Quo Ratios in Worksheet O-1. Status Quo means "Before"

D) Proposed Revenue-to-Cost Ratios

Class	Proposed Revenue-to-Cost Ratios			Policy Range	
	0	1	2		
	%	%	%		
Residential	95			85 - 115	/C
GS < 50 kW	92			80 - 120	/C
GS 50-999 kW	118			80 - 120	
GS 1000-4999 kW	101			80 - 120	
Large User	96			85 - 115	
Street Lighting	82			70 - 120	/C
Sentinel Lighting				80 - 120	
Unmetered Scattered Load (USL)	89			80 - 120	/C
Competitive Sector Multi-Unit Residential (New Rate Class in 2013)	100			85-115	
				0	
Embedded distributor class					

Note

1 The applicant should complete Table D if it is applying for approval of a revenue to cost ratio in 2014 that is outside the Board's policy range for any customer class. Table (d) will show the information that the distributor would likely enter in the IRM model) in 2014. In 2015 Table (d), enter the planned ratios for the classes that will be 'Change' and 'No Change' in 2014 (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'.