

2016 Cost Allocation Model

EB-2015-0004 (Year 2016)

Sheet I6.1 Revenue Worksheet -

Total kWhs from Load Forecast	7,440,624,000
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Total kW from Load Forecast	10,124,953
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Deficiency/sufficiency (RRWF 8. cell F51)	5,112,423
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Miscellaneous Revenue (RRWF 5. cell F48)	11,696,988
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Billing Data	ID	Total	1	2	3	4	6	7	8	9	11	12	13
			Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
Forecast kWh	CEN	7,440,624,000	2,216,045,000	726,360,000	2,954,441,000	863,309,000	620,218,000	43,552,000	48,000	16,651,000			
Forecast kW	CDEM	10,124,953			7,027,979	1,847,365	1,121,449	123,144	216			4,800	
Forecast kW, included in CDEM, of customers receiving line transformer allowance		2,499,198			1,756,995	461,841	280,362						
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	7,440,624,000	2,216,045,000	726,360,000	2,954,441,000	863,309,000	620,218,000	43,552,000	48,000	16,651,000	-	-	-
Existing Monthly Charge			\$9.67	\$16.72	\$260.82	\$4,193.93	\$15,231.32	\$0.57	\$2.62	\$4.43	\$122.41	\$122.41	\$122.41
Existing Distribution kWh Rate			\$0.0234	\$0.0210						\$0.0219			
Existing Distribution kW Rate					\$3.5691	\$3.4887	\$3.3129	\$3.9997	\$10.0361		\$2	\$1	\$2
Existing TOA Rate					\$0.45	\$0.45	\$0.45						
Additional Charges													
Distribution Revenue from Rates		\$159,359,893	\$86,359,164	\$20,171,698	\$35,397,687	\$10,269,766	\$5,725,783	\$872,268	\$3,902	\$549,494	\$0	\$10,131	\$0
Transformer Ownership Allowance		\$1,124,639	\$0	\$0	\$790,648	\$207,829	\$126,163	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$158,235,254	\$86,359,164	\$20,171,698	\$34,607,039	\$10,061,938	\$5,599,620	\$872,268	\$3,902	\$549,494	\$0	\$10,131	\$0

2016 Cost Allocation Model

EB-2015-0004 (Year 2016)
Sheet I6.2 Customer Data Worksheet -

			1	2	3	4	6	7	8	9	11	12	13
	ID	Total	Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
Billing Data													
Bad Debt 3 Year Historical Average	BDHA	\$2,000,008	\$1,354,005	\$422,002	\$150,001	\$74,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Late Payment 3 Year Historical Average	LPHA	\$884,964	\$658,889	\$119,577	\$93,649	\$12,109	\$102	\$156	\$104	\$377			
Number of Bills	CNB	3,903,839	3,568,119	294,147.00	39,545.00	912.00	132.00	180.00	660.00	120.00		24	
Number of Devices	CDEV							55,516	55	3,477			
Number of Connections (Unmetered)	CCON	7,233						3,701	55	3,477			
Total Number of Customers	CCA	325,320	297,343	24,512	3,295	76	11	15	55	10		2	
Bulk Customer Base	CCB	325,320	297,343	24,512	3,295	76	11	15	55	10		2	
Primary Customer Base	CCP	333,394	297,343	24,512	3,295	76	11	8,090	55	10		2	
Line Transformer Customer Base	CCLT	332,972	297,343	24,512	2,923	33	5	8,090	55	10			
Secondary Customer Base	CCS	323,583	297,343	24,512	1,648			15	55	10			
Weighted - Services	CWCS	370,078	297,343	49,025	16,477	-	-	3,701	55	3,477	-	-	-
Weighted Meter - Capital	CWMC	60,568,577	44,025,138	9,147,451	6,505,988	760,000	110,000	-	-	-	-	20,000	-
Weighted Meter Reading	CWMR	500,674	297,343	24,512	159,869	16,182	2,342	-	-	-	-	426	-
Weighted Bills	CWNB	4,157,610	3,568,119	302,982	254,405	23,055	3,329	4,531	466	125	-	598	-

Bad Debt Data

Historic Year:	2012	2,000,008	1,354,005	422,002	150,001	74,000							
Historic Year:	2013	2,000,008	1,354,005	422,002	150,001	74,000							
Historic Year:	2014	2,000,008	1,354,005	422,002	150,001	74,000							
Three-year average		2,000,008	1,354,005	422,002	150,001	74,000	-	-	-	-	-	-	-

SSS Admin Charge Data

Historic Year:	2012	979,657	895,929	74,332	9,078	226	35	56		2			
Historic Year:	2013	896,212	819,690	67,433	8,586	214	30	12		270			
Historic Year:	2014	920,026	842,937	67,671	8,715	253	30	21		398			
Three-year average		931,965	852,852	69,812	8,793	231	32	22	-	224	-	-	-

Street Lighting Adjustment Factors

NCP Test Results	4 NCP
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	Primary Asset Data		Line Transformer Asset Data	
Class	Customers/ Devices	4 NCP	Customers/ Devices	4 NCP
Residential	297,343	1,961,254	297,343	1,961,254
Street Light	55,516	53,358	55,516	53,358

Street Lighting Adjustment Factors	
Primary	6.8627
Line Transformer	6.8627

2016 Cost Allocation Model

EB-2015-0004 (Year 2016)
Sheet 18 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	6	7	8	9	11	12	13	
		Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use	
CO-INCIDENT PEAK													
1 CP													
Transformation CP	TCP1	1,282,883	436,953	153,148	508,176	105,363	77,512	-	-	1,731	-	-	
Bulk Delivery CP	BCP1	1,282,883	436,953	153,148	508,176	105,363	77,512	-	-	1,731	-	-	
Total Sytem CP	DCP1	1,282,883	436,953	153,148	508,176	105,363	77,512	-	-	1,731	-	-	
4 CP													
Transformation CP	TCP4	5,006,360	1,792,729	491,382	1,920,564	460,783	316,194	17,335	15	7,356	-	-	
Bulk Delivery CP	BCP4	5,006,360	1,792,729	491,382	1,920,564	460,783	316,194	17,335	15	7,356	-	-	
Total Sytem CP	DCP4	5,006,360	1,792,729	491,382	1,920,564	460,783	316,194	17,335	15	7,356	-	-	
12 CP													
Transformation CP	TCP12	13,857,647	4,705,908	1,390,100	5,366,758	1,372,626	949,343	50,166	48	22,468	-	230	
Bulk Delivery CP	BCP12	13,857,647	4,705,908	1,390,100	5,366,758	1,372,626	949,343	50,166	48	22,468	-	230	
Total Sytem CP	DCP12	13,857,647	4,705,908	1,390,100	5,366,758	1,372,626	949,343	50,166	48	22,468	-	230	
NON CO INCIDENT PEAK													
1 NCP													
Classification NCP from Load Data Provider		DNCP1	1,457,990	497,262	153,148	527,926	156,830	105,588	13,805	14	2,265	-	1,152
Primary NCP		PNCP1	1,457,990	497,262	153,148	527,926	156,830	105,588	13,805	14	2,265	-	1,152
Line Transformer NCP		LTNCP1	1,245,101	497,262	153,148	459,296	69,005	49,626	13,805	14	2,265	-	680
Secondary NCP		SNCP1	930,458	497,262	153,148	263,963			13,805	14	2,265	-	
4 NCP													
Classification NCP from Load Data Provider		DNCP4	5,665,114	1,961,254	576,965	2,050,013	604,725	406,005	53,358	54	8,906	-	3,836
Primary NCP		PNCP4	5,665,114	1,961,254	576,965	2,050,013	604,725	406,005	53,358	54	8,906	-	3,836
Line Transformer NCP		LTNCP4	4,878,062	1,961,254	576,965	1,818,362	266,079	190,823	53,358	54	8,906	-	2,263
Secondary NCP		SNCP4	3,625,543	1,961,254	576,965	1,025,007			53,358	54	8,906	-	
12 NCP													
Classification NCP from Load Data Provider		DNCP12	15,671,749	5,439,974	1,578,908	5,753,087	1,642,061	1,094,028	130,015	131	25,887	-	7,657
Primary NCP		PNCP12	15,671,749	5,439,974	1,578,908	5,753,087	1,642,061	1,094,028	130,015	131	25,887	-	7,657
Line Transformer NCP		LTNCP12	13,421,320	5,439,974	1,578,908	5,005,186	722,507	514,194	130,015	131	25,887	-	4,517
Secondary NCP		SNCP12	10,051,460	5,439,974	1,578,908	2,876,544			130,015	131	25,887	-	

2016 Cost Allocation Model

EB-2015-0004 (Year 2016)
Sheet 01 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 to 1,499 kW	4 GS 1,500 to 4,999 kW	6 Large Use	7 Street Light	8 Sentinel	9 Unmetered Scattered Load	11 Standby Power GS 50 to 1,499 kW	12 Standby Power GS 1,500 to 4,999 kW	13 Standby Power Large Use
Assets												
crev	Distribution Revenue at Existing Rates	\$158,235,254	\$86,359,164	\$20,171,698	\$34,607,039	\$10,061,938	\$5,599,620	\$472,268	\$3,902	\$549,494	\$0	\$10,131
mi	Miscellaneous Revenue (mi)	\$11,696,988	\$7,976,914	\$1,147,124	\$1,840,792	\$406,642	\$242,076	\$61,233	\$805	\$18,683	\$0	\$2,719
	Miscellaneous Revenue Input equals Output											
	Total Revenue at Existing Rates	\$169,932,242	\$94,336,077	\$21,318,822	\$36,447,831	\$10,468,580	\$5,841,696	\$933,502	\$4,707	\$568,178	\$0	\$12,850
	Factor required to recover deficiency (1 + D)	1.0323										
	Distribution Revenue at Status Quo Rates	\$163,347,677	\$89,149,342	\$20,823,425	\$35,725,158	\$10,387,029	\$5,780,538	\$900,451	\$4,028	\$567,248	\$0	\$10,458
	Miscellaneous Revenue (mi)	\$11,696,988	\$7,976,914	\$1,147,124	\$1,840,792	\$406,642	\$242,076	\$61,233	\$805	\$18,683	\$0	\$2,719
	Total Revenue at Status Quo Rates	\$175,044,665	\$97,126,256	\$21,970,549	\$37,565,950	\$10,793,671	\$6,022,614	\$961,684	\$4,833	\$585,931	\$0	\$13,177
Expenses												
di	Distribution Costs (di)	\$27,045,563	\$13,015,488	\$2,825,444	\$7,582,257	\$1,911,274	\$1,292,798	\$308,531	\$1,309	\$97,935	\$0	\$10,528
cu	Customer Related Costs (cu)	\$16,281,007	\$13,219,795	\$1,627,452	\$1,225,262	\$176,059	\$15,347	\$12,670	\$1,303	\$350	\$0	\$2,770
ad	General and Administration (ad)	\$39,778,994	\$23,736,346	\$4,099,052	\$8,308,472	\$1,977,321	\$1,248,367	\$302,031	\$2,345	\$92,721	\$0	\$12,338
dep	Depreciation and Amortization (dep)	\$40,378,861	\$19,845,664	\$4,435,954	\$11,072,081	\$2,705,057	\$1,806,420	\$378,968	\$1,510	\$118,599	\$0	\$14,608
INPUT	PILs (INPUT)	\$3,755,187	\$1,779,626	\$400,951	\$1,076,304	\$267,012	\$180,199	\$37,679	\$152	\$11,932	\$0	\$1,333
INT	Interest	\$17,179,587	\$8,141,600	\$1,834,310	\$4,923,978	\$1,221,553	\$824,391	\$172,378	\$693	\$54,587	\$0	\$6,096
	Total Expenses	\$144,419,199	\$79,738,518	\$15,223,162	\$34,168,534	\$6,258,277	\$5,367,521	\$1,212,259	\$7,311	\$376,125	\$0	\$47,672
	Direct Allocation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NI	Allocated Net Income (NI)	\$30,625,466	\$14,513,754	\$3,269,962	\$8,777,808	\$2,177,622	\$1,469,613	\$307,293	\$1,236	\$97,311	\$0	\$10,867
	Revenue Requirement (includes NI)	\$175,044,665	\$94,252,272	\$18,493,124	\$42,966,162	\$10,435,898	\$6,837,135	\$1,519,551	\$8,546	\$473,436	\$0	\$58,540
	Revenue Requirement Input equals Output											
	Rate Base Calculation											
Net Assets												
dp	Distribution Plant - Gross	\$759,907,167	\$363,343,026	\$81,393,836	\$215,669,555	\$53,218,558	\$35,888,550	\$7,657,290	\$31,140	\$2,434,474	\$0	\$270,739
gp	General Plant - Gross	\$124,467,177	\$59,427,679	\$13,295,072	\$36,393,987	\$8,735,138	\$5,896,185	\$1,266,216	\$5,171	\$403,495	\$0	\$44,234
accum dep	Accumulated Depreciation	(\$91,811,257)	(\$44,356,201)	(\$10,030,580)	(\$25,687,116)	(\$6,331,420)	(\$4,239,907)	(\$860,688)	(\$3,387)	(\$268,653)	\$0	(\$33,304)
co	Capital Contribution	(\$36,559,924)	(\$19,810,196)	(\$3,933,894)	(\$8,899,528)	(\$1,951,719)	(\$1,323,321)	(\$464,370)	(\$2,311)	(\$161,233)	\$0	(\$13,362)
	Total Net Plant	\$756,003,163	\$358,604,308	\$80,724,433	\$216,476,897	\$53,670,557	\$36,221,508	\$7,598,447	\$30,614	\$2,408,082	\$0	\$268,318
	Directly Allocated Net Fixed Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
COP	Cost of Power (COP)	\$894,285,487	\$268,175,263	\$87,229,363	\$353,899,725	\$103,407,625	\$74,290,052	\$5,250,740	\$6,257	\$2,026,462	\$0	\$0
	OM&A Expenses	\$83,105,564	\$49,971,628	\$8,551,947	\$17,115,991	\$4,064,654	\$2,556,512	\$623,233	\$4,956	\$191,006	\$0	\$25,635
	Directly Allocated Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal	\$977,391,051	\$318,146,892	\$95,781,310	\$371,015,716	\$107,472,280	\$76,846,564	\$5,873,973	\$11,213	\$2,217,468	\$0	\$25,635
	Working Capital	\$77,116,154	\$25,101,790	\$7,557,145	\$29,273,140	\$8,479,563	\$6,063,194	\$463,456	\$885	\$174,958	\$0	\$2,023
	Total Rate Base	\$833,119,317	\$383,706,097	\$88,281,579	\$245,750,037	\$62,150,119	\$42,284,701	\$8,061,904	\$31,498	\$2,583,041	\$0	\$270,340
	Rate Base Input equals Output											
	Equity Component of Rate Base	\$333,247,727	\$153,482,439	\$35,312,632	\$98,300,015	\$24,860,048	\$16,913,881	\$3,224,761	\$12,599	\$1,033,216	\$0	\$108,136
	Net Income on Allocated Assets	\$30,625,466	\$17,387,738	\$6,747,387	\$3,377,597	\$2,535,394	\$655,092	(\$250,575)	(\$2,478)	\$209,806	\$0	(\$34,495)
	Net Income on Direct Allocation Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Net Income	\$30,625,466	\$17,387,738	\$6,747,387	\$3,377,597	\$2,535,394	\$655,092	(\$250,575)	(\$2,478)	\$209,806	\$0	(\$34,495)
	RATIOS ANALYSIS											
	REVENUE TO EXPENSES STATUS QUO%	100.00%	103.05%	118.80%	87.43%	103.43%	88.09%	63.29%	56.55%	123.76%	0.00%	22.51%
	EXISTING REVENUE MINUS ALLOCATED COSTS	(\$5,112,423)	\$83,805	\$2,825,697	(\$6,518,330)	\$32,682	(\$995,439)	(\$586,050)	(\$3,840)	\$94,741	\$0	(\$45,690)
	Deficiency Input equals Output											
	STATUS QUO REVENUE MINUS ALLOCATED COSTS	\$0	\$2,873,984	\$3,477,425	(\$5,400,211)	\$357,773	(\$814,521)	(\$557,867)	(\$3,713)	\$112,495	\$0	(\$45,363)
	RETURN ON EQUITY COMPONENT OF RATE BASE	9.19%	11.33%	19.11%	3.44%	10.20%	3.87%	-7.77%	-19.67%	20.31%	0.00%	-31.90%



Ontario Energy Board

2016 Cost Allocation Model

EB-2015-0004 (Year 2016)

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

Output sheet showing minimum and maximum level for Monthly Fixed Charge

Summary

Customer Unit Cost per month - Avoided Cost
Customer Unit Cost per month - Directly Related
Customer Unit Cost per month - Minimum System with PLCC Adjustment
Existing Approved Fixed Charge

1	2	3	4	6	7	8	9	11	12	13
Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
\$4.32	\$6.72	\$38.90	\$159.23	\$78.68	\$0.19	\$1.76	-\$0.03	0	\$192.79	0
\$7.53	\$11.03	\$67.15	\$281.68	\$201.78	\$0.46	\$3.53	-\$0.02	0	\$312.18	0
\$15.66	\$23.38	\$95.17	\$506.15	\$559.05	\$13.35	\$12.59	\$7.40	0	\$264.24	0
\$9.67	\$16.72	\$260.82	\$4,193.93	\$15,231.32	\$0.57	\$2.62	\$4.43	\$122.41	\$122.41	\$122.41

2016 Cost Allocation Model

EB-2015-0004 (Year 2017)

Sheet I6.1 Revenue Worksheet -

Total kWhs from Load Forecast	7,379,644,000
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Total kW from Load Forecast	10,034,217
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Deficiency/sufficiency (RRWF 8. cell F51)	12,635,330
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Miscellaneous Revenue (RRWF 5. cell F48)	11,562,581
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Billing Data	ID	Total	1	2	3	4	6	7	8	9	11	12	13
			Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
Forecast kWh	CEN	7,379,644,000	2,198,259,000	716,896,000	2,907,445,000	877,400,000	619,253,000	43,653,000	48,000	16,690,000			
Forecast kW	CDEM	10,034,217			6,908,640	1,877,691	1,119,726	123,144	216			4,800	
Forecast kW, included in CDEM, of customers receiving line transformer allowance		2,476,514			1,727,160	469,423	279,932						
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	7,379,644,000	2,198,259,000	716,896,000	2,907,445,000	877,400,000	619,253,000	43,653,000	48,000	16,690,000	-	-	-
Existing Monthly Charge			\$9.67	\$16.72	\$260.82	\$4,193.93	\$15,231.32	\$0.57	\$2.62	\$4.43	\$122.41	\$122.41	\$122.41
Existing Distribution kWh Rate			\$0.0234	\$0.0210						\$0.0219			
Existing Distribution kW Rate					\$3.5691	\$3.4887	\$3.3129	\$3.9997	\$10.0361		\$2	\$1	\$2
Existing TOA Rate					\$0.45	\$0.45	\$0.45						
Additional Charges													
Distribution Revenue from Rates		\$158,986,352	\$86,397,220	\$19,995,810	\$35,058,607	\$10,375,565	\$5,720,075	\$872,268	\$3,776	\$552,900	\$0	\$10,131	\$0
Transformer Ownership Allowance		\$1,114,431	\$0	\$0	\$777,222	\$211,240	\$125,969	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$157,871,920	\$86,397,220	\$19,995,810	\$34,281,385	\$10,164,325	\$5,594,105	\$872,268	\$3,776	\$552,900	\$0	\$10,131	\$0

2016 Cost Allocation Model

EB-2015-0004 (Year 2017)
Sheet 16.2 Customer Data Worksheet -

			1	2	3	4	6	7	8	9	11	12	13
	ID	Total	Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
Billing Data													
Bad Debt 3 Year Historical Average	BDHA	\$2,000,008	\$1,354,005	\$422,002	\$150,001	\$74,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Late Payment 3 Year Historical Average	LPHA	\$884,964	\$658,889	\$119,577	\$93,649	\$12,109	\$102	\$156	\$104	\$377			
Number of Bills	CNB	3,952,466	3,615,094	295,514.00	39,878.00	912.00	132.00	180.00	612.00	120.00		24	
Number of Devices	CDEV							55,516	51	3,525			
Number of Connections (Unmetered)	CCON	7,277						3,701	51	3,525			
Total Number of Customers	CCA	329,372	301,258	24,626	3,323	76	11	15	51	10		2	
Bulk Customer Base	CCB	329,372	301,258	24,626	3,323	76	11	15	51	10		2	
Primary Customer Base	CCP	337,637	301,258	24,626	3,323	76	11	8,281	51	10			
Line Transformer Customer Base	CCLT	337,213	301,258	24,626	2,948	33	5	8,281	51	10			
Secondary Customer Base	CCS	327,622	301,258	24,626	1,662			15	51	10			
Weighted - Services	CWCS	374,403	301,258	49,252	16,616	-	-	3,701	51	3,525	-	-	-
Weighted Meter - Capital	CWMC	61,277,413	44,596,728	9,189,973	6,600,712	760,000	110,000	-	-	-	-	20,000	-
Weighted Meter Reading	CWMR	506,049	301,258	24,626	161,215	16,182	2,342	-	-	-	-	426	-
Weighted Bills	CWNB	4,208,102	3,615,094	304,390	256,548	23,055	3,329	4,531	432	125	-	598	-

Bad Debt Data

Historic Year:	2012	2,000,008	1,354,005	422,002	150,001	74,000							
Historic Year:	2013	2,000,008	1,354,005	422,002	150,001	74,000							
Historic Year:	2014	2,000,008	1,354,005	422,002	150,001	74,000							
Three-year average		2,000,008	1,354,005	422,002	150,001	74,000	-	-	-	-	-	-	-

SSS Admin Charge Data

Historic Year:	2012	979,657	895,929	74,332	9,078	226	35	56		2			
Historic Year:	2013	896,212	819,690	67,433	8,586	214	30	12		270			
Historic Year:	2014	920,026	842,937	67,671	8,715	253	30	21		398			
Three-year average		931,965	852,852	69,812	8,793	231	32	22	-	224	-	-	-

Street Lighting Adjustment Factors

NCP Test Results	4 NCP
------------------	-------

	Primary Asset Data		Line Transformer Asset Data	
Class	Customers/ Devices	4 NCP	Customers/ Devices	4 NCP
Residential	301,258	1,945,515	301,258	1,945,515
Street Light	55,516	53,482	55,516	53,482

Street Lighting Adjustment Factors	
Primary	6.7036
Line Transformer	6.7036

2016 Cost Allocation Model

EB-2015-0004 (Year 2017)
Sheet 18 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	6	7	8	9	11	12	13
		Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
CO-INCIDENT PEAK												
1 CP												
Transformation CP	TCP1	1,270,901	433,446	151,153	500,093	107,082	77,391	-	-	1,736	-	-
Bulk Delivery CP	BCP1	1,270,901	433,446	151,153	500,093	107,082	77,391	-	-	1,736	-	-
Total Sytem CP	DCP1	1,270,901	433,446	151,153	500,093	107,082	77,391	-	-	1,736	-	-
4 CP												
Transformation CP	TCP4	4,962,106	1,778,343	484,980	1,890,014	468,304	315,703	17,376	14	7,373	-	-
Bulk Delivery CP	BCP4	4,962,106	1,778,343	484,980	1,890,014	468,304	315,703	17,376	14	7,373	-	-
Total Sytem CP	DCP4	4,962,106	1,778,343	484,980	1,890,014	468,304	315,703	17,376	14	7,373	-	-
12 CP												
Transformation CP	TCP12	13,737,495	4,668,145	1,371,988	5,281,389	1,395,030	947,866	50,282	45	22,520	-	230
Bulk Delivery CP	BCP12	13,737,495	4,668,145	1,371,988	5,281,389	1,395,030	947,866	50,282	45	22,520	-	230
Total Sytem CP	DCP12	13,737,495	4,668,145	1,371,988	5,281,389	1,395,030	947,866	50,282	45	22,520	-	230
NON CO-INCIDENT PEAK												
1 NCP												
Classification NCP from Load Data Provider	DNCP1	1,446,038	493,272	151,153	519,528	159,390	105,423	13,837	13	2,270	-	1,152
Primary NCP	PNCP1	1,446,038	493,272	151,153	519,528	159,390	105,423	13,837	13	2,270	-	1,152
Line Transformer NCP	LTNCP1	1,232,894	493,272	151,153	451,990	70,131	49,549	13,837	13	2,270	-	680
Secondary NCP	SNCP1	920,309	493,272	151,153	259,765			13,837	13	2,270	-	
4 NCP												
Classification NCP from Load Data Provider	DNCP4	5,618,628	1,945,515	569,448	2,017,404	614,595	405,373	53,482	50	8,927	-	3,836
Primary NCP	PNCP4	5,618,628	1,945,515	569,448	2,017,404	614,595	405,373	53,482	50	8,927	-	3,836
Line Transformer NCP	LTNCP4	4,830,068	1,945,515	569,448	1,789,437	270,422	190,526	53,482	50	8,927	-	2,263
Secondary NCP	SNCP4	3,586,123	1,945,515	569,448	1,008,702			53,482	50	8,927	-	
12 NCP												
Classification NCP from Load Data Provider	DNCP12	15,541,461	5,396,320	1,558,336	5,661,573	1,668,863	1,092,326	130,317	122	25,948	-	7,657
Primary NCP	PNCP12	15,541,461	5,396,320	1,558,336	5,661,573	1,668,863	1,092,326	130,317	122	25,948	-	7,657
Line Transformer NCP	LTNCP12	13,288,821	5,396,320	1,558,336	4,925,569	734,300	513,394	130,317	122	25,948	-	4,517
Secondary NCP	SNCP12	9,941,829	5,396,320	1,558,336	2,830,787			130,317	122	25,948	-	

2016 Cost Allocation Model

EB-2015-0004 (Year 2017)
Sheet 01 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	Total	1	2	3	4	6	7	8	9	11	12	13
Assets	Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use	
crev	Distribution Revenue at Existing Rates	\$157,871,920	\$86,397,220	\$19,995,810	\$34,281,385	\$10,164,325	\$5,594,105	\$872,268	\$3,776	\$552,900	\$0	\$0
mi	Miscellaneous Revenue (mi)	\$11,562,581	\$7,880,878	\$1,121,706	\$1,817,588	\$413,939	\$244,404	\$61,951	\$728	\$18,635	\$10,131	\$2,753
	Miscellaneous Revenue Input equals Output											
	Total Revenue at Existing Rates	\$169,434,501	\$94,278,097	\$21,117,516	\$36,098,973	\$10,578,263	\$5,838,509	\$934,219	\$4,504	\$571,535	\$0	\$12,884
	Factor required to recover deficiency (1 + D)	1.0800										
	Distribution Revenue at Status Quo Rates	\$170,507,250	\$93,312,049	\$21,596,181	\$37,025,107	\$10,977,830	\$6,041,831	\$942,081	\$4,079	\$597,152	\$0	\$10,941
	Miscellaneous Revenue (mi)	\$11,562,581	\$7,880,878	\$1,121,706	\$1,817,588	\$413,939	\$244,404	\$61,951	\$728	\$18,635	\$0	\$2,753
	Total Revenue at Status Quo Rates	\$182,069,832	\$101,192,927	\$22,717,887	\$38,842,695	\$11,391,768	\$6,286,235	\$1,004,031	\$4,807	\$615,786	\$0	\$13,695
	Expenses											
di	Distribution Costs (di)	\$27,562,134	\$13,250,516	\$2,867,302	\$7,686,137	\$1,999,556	\$1,328,490	\$318,197	\$1,222	\$99,784	\$0	\$10,929
cu	Customer Related Costs (cu)	\$16,591,974	\$13,485,325	\$1,649,444	\$1,246,480	\$176,152	\$15,457	\$12,757	\$352	\$0	\$0	\$2,790
ad	General and Administration (ad)	\$40,538,773	\$24,185,202	\$4,157,269	\$8,427,580	\$2,064,525	\$1,283,311	\$311,449	\$94,502	\$0	\$0	\$12,744
dep	Depreciation and Amortization (dep)	\$43,558,281	\$21,449,436	\$4,755,870	\$11,847,334	\$2,981,579	\$1,957,646	\$418,986	\$1,523	\$129,870	\$0	\$16,037
INT	PILs (INPUT)	\$3,634,152	\$1,715,035	\$385,437	\$1,039,098	\$267,228	\$177,207	\$37,127	\$135	\$11,559	\$0	\$1,326
	Interest	\$18,212,544	\$8,594,891	\$1,931,616	\$5,207,440	\$1,339,214	\$888,071	\$186,062	\$674	\$57,928	\$0	\$6,647
	Total Expenses	\$150,097,858	\$82,680,406	\$15,746,941	\$35,454,069	\$8,830,255	\$5,650,162	\$1,284,579	\$6,960	\$393,995	\$0	\$50,472
	Direct Allocation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NI	Allocated Net Income (NI)	\$31,971,974	\$15,088,262	\$3,390,939	\$9,141,618	\$2,350,980	\$1,559,001	\$326,630	\$1,183	\$101,692	\$0	\$11,668
	Revenue Requirement (includes NI)	\$182,069,832	\$97,768,668	\$19,137,880	\$44,595,687	\$11,181,234	\$7,209,183	\$1,611,209	\$8,143	\$495,688	\$0	\$62,141
	Revenue Requirement Input equals Output											
	Rate Base Calculation											
dp	Net Assets											
an	Distribution Plant - Gross	\$842,014,035	\$403,132,750	\$89,737,621	\$237,109,634	\$60,339,576	\$39,977,764	\$8,660,778	\$31,960	\$2,716,307	\$0	\$307,646
co	General Plant - Gross	\$143,786,337	\$68,649,731	\$15,261,305	\$40,631,380	\$10,349,092	\$6,865,710	\$1,499,741	\$5,558	\$471,321	\$0	\$52,498
	Accumulated Depreciation	(\$134,245,407)	(\$65,213,819)	(\$14,615,928)	(\$37,107,208)	(\$9,397,592)	(\$6,182,243)	(\$1,279,507)	(\$4,599)	(\$396,296)	\$0	(\$49,230)
	Capital Contribution	(\$60,422,486)	(\$32,686,561)	(\$6,468,107)	(\$14,749,317)	(\$3,266,500)	(\$2,181,531)	(\$779,143)	(\$3,480)	(\$265,672)	\$0	(\$22,176)
	Total Net Plant	\$791,132,479	\$373,882,107	\$83,914,891	\$225,884,489	\$58,024,586	\$38,479,700	\$8,102,869	\$29,439	\$2,525,660	\$0	\$288,738
	Directly Allocated Net Fixed Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
COP	Cost of Power (COP)	\$911,714,427	\$273,437,511	\$88,495,848	\$358,000,053	\$108,031,563	\$76,246,717	\$5,408,923	\$6,381	\$2,087,431	\$0	\$0
	OM&A Expenses	\$84,692,880	\$50,921,043	\$8,674,015	\$17,360,197	\$4,242,233	\$2,627,258	\$642,404	\$4,628	\$194,638	\$0	\$26,463
	Directly Allocated Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal	\$996,407,307	\$324,358,555	\$97,169,863	\$375,360,249	\$112,273,797	\$78,873,976	\$6,051,326	\$11,009	\$2,282,069	\$0	\$26,463
	Working Capital	\$78,616,537	\$25,591,890	\$7,666,702	\$29,615,924	\$8,858,403	\$6,223,157	\$477,450	\$869	\$180,055	\$0	\$2,088
	Total Rate Base	\$869,749,015	\$399,473,997	\$91,581,593	\$255,590,413	\$66,882,988	\$44,702,857	\$8,580,319	\$30,307	\$2,705,715	\$0	\$290,826
	Rate Base Input equals Output											
	Equity Component of Rate Base	\$347,899,606	\$159,789,599	\$36,632,637	\$102,200,165	\$26,753,195	\$17,881,143	\$3,432,127	\$12,123	\$1,082,286	\$0	\$116,330
	Net Income on Allocated Assets	\$31,971,974	\$18,512,521	\$6,970,947	\$3,388,626	\$2,561,514	\$636,054	(\$280,547)	(\$2,153)	\$221,791	\$0	(\$36,778)
	Net Income on Direct Allocation Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Net Income	\$31,971,974	\$18,512,521	\$6,970,947	\$3,388,626	\$2,561,514	\$636,054	(\$280,547)	(\$2,153)	\$221,791	\$0	(\$36,778)
	RATIOS ANALYSIS											
	REVENUE TO EXPENSES STATUS QUO%	100.00%	103.50%	118.71%	87.10%	101.88%	87.20%	62.32%	59.03%	124.23%	0.00%	22.04%
	EXISTING REVENUE MINUS ALLOCATED COSTS	(\$12,635,330)	(\$3,490,570)	\$1,979,636	(\$8,496,714)	(\$602,971)	(\$1,370,673)	(\$676,900)	(\$3,639)	\$75,847	\$0	(\$49,257)
	Deficiency Input equals Output											
	STATUS QUO REVENUE MINUS ALLOCATED COSTS	\$0	\$3,424,259	\$3,580,008	(\$5,752,992)	\$210,534	(\$922,947)	(\$607,177)	(\$3,337)	\$120,099	\$0	(\$48,446)
	RETURN ON EQUITY COMPONENT OF RATE BASE	9.19%	11.59%	19.03%	3.32%	9.57%	3.56%	-8.17%	-17.76%	20.49%	0.00%	-31.61%



Ontario Energy Board

2016 Cost Allocation Model

EB-2015-0004 (Year 2017)

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

Output sheet showing minimum and maximum level for Monthly Fixed Charge

Summary

Customer Unit Cost per month - Avoided Cost
Customer Unit Cost per month - Directly Related
Customer Unit Cost per month - Minimum System
with PLCC Adjustment
Existing Approved Fixed Charge

1	2	3	4	6	7	8	9	11	12	13
Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
\$4.39	\$6.86	\$39.90	\$162.63	\$78.36	\$0.19	\$1.80	-\$0.03	0	\$194.26	0
\$7.62	\$11.18	\$68.33	\$285.59	\$201.95	\$0.47	\$3.58	-\$0.02	0	\$314.27	0
\$15.95	\$23.77	\$96.62	\$516.25	\$568.43	\$13.95	\$12.96	\$7.58	0	\$258.27	0
\$9.67	\$16.72	\$260.82	\$4,193.93	\$15,231.32	\$0.57	\$2.62	\$4.43	\$122.41	\$122.41	\$122.41

2016 Cost Allocation Model

EB-2015-0004 (Year 2018)

Sheet I6.1 Revenue Worksheet -

Total kWhs from Load Forecast	7,366,004,000
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Total kW from Load Forecast	9,986,854
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Deficiency/sufficiency (RRWF 8. cell F51)	20,562,947
---	------------

Miscellaneous Revenue (RRWF 5. cell F48)	11,719,491
--	------------

			1	2	3	4	6	7	8	9	11	12	13		
			ID	Total	Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
Billing Data															
Forecast kWh	CEN	7,366,004,000	2,206,411,000	709,791,000	2,875,422,000	895,369,000	618,467,000	43,765,000	48,000	16,731,000					
Forecast kW	CDEM	9,986,854			6,824,350	1,916,044	1,118,300	123,144	216			4,800			
Forecast kW, included in CDEM, of customers receiving line transformer allowance		2,464,674			1,706,088	479,011	279,575								
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	7,366,004,000	2,206,411,000	709,791,000	2,875,422,000	895,369,000	618,467,000	43,765,000	48,000	16,731,000	-	-	-		
Existing Monthly Charge			\$9.67	\$16.72	\$260.82	\$4,193.93	\$15,231.32	\$0.57	\$2.62	\$4.43	\$122.41	\$122.41	\$122.41		
Existing Distribution kWh Rate			\$0.0234	\$0.0210						\$0.0219					
Existing Distribution kW Rate					\$3.5691	\$3.4887	\$3.3129	\$3.9997	\$10.0361		\$2	\$1	\$2		
Existing TOA Rate					\$0.45	\$0.45	\$0.45								
Additional Charges															
Distribution Revenue from Rates		\$159,421,148	\$87,038,947	\$19,869,160	\$34,845,925	\$10,509,367	\$5,715,350	\$872,268	\$3,651	\$556,350	\$0	\$10,131	\$0		
Transformer Ownership Allowance		\$1,109,103	\$0	\$0	\$767,739	\$215,555	\$125,809	\$0	\$0	\$0	\$0	\$0	\$0		
Net Class Revenue	CREV	\$158,312,045	\$87,038,947	\$19,869,160	\$34,078,185	\$10,293,812	\$5,589,542	\$872,268	\$3,651	\$556,350	\$0	\$10,131	\$0		

2016 Cost Allocation Model

EB-2015-0004 (Year 2018)
Sheet I6.2 Customer Data Worksheet -

	ID	Total	1	2	3	4	6	7	8	9	11	12	13
			Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
			Billing Data										
Bad Debt 3 Year Historical Average	BDHA	\$2,000,008	\$1,354,005	\$422,002	\$150,001	\$74,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Late Payment 3 Year Historical Average	LPHA	\$884,964	\$658,889	\$119,577	\$93,649	\$12,109	\$102	\$156	\$104	\$377			
Number of Bills	CNB	4,000,741	3,661,730	296,863.00	40,216.00	912.00	132.00	180.00	564.00	120.00		24	
Number of Devices	CDEV							55,516	47	3,573			
Number of Connections (Unmetered)	CCON	7,321						3,701	47	3,573			
Total Number of Customers	CCA	333,395	305,144	24,739	3,351	76	11	15	47	10		2	
Bulk Customer Base	CCB	333,395	305,144	24,739	3,351	76	11	15	47	10		2	
Primary Customer Base	CCP	341,759	305,144	24,739	3,351	76	11	8,379	47	10		2	
Line Transformer Customer Base	CCLT	341,330	305,144	24,739	2,973	33	5	8,379	47	10			
Secondary Customer Base	CCS	331,630	305,144	24,739	1,676			15	47	10			
Weighted - Services	CWCS	378,699	305,144	49,477	16,757	-	-	3,701	47	3,573	-	-	-
Weighted Meter -Capital	CWMC	61,981,642	45,164,084	9,232,122	6,695,436	760,000	110,000	-	-	-	-	20,000	-
Weighted Meter Reading	CWMR	511,414	305,144	24,739	162,581	16,182	2,342	-	-	-	-	426	-
Weighted Bills	CWNB	4,258,268	3,661,730	305,779	258,722	23,055	3,329	4,531	398	125	-	598	-

Bad Debt Data

Historic Year:	2012	2,000,008	1,354,005	422,002	150,001	74,000							
Historic Year:	2013	2,000,008	1,354,005	422,002	150,001	74,000							
Historic Year:	2014	2,000,008	1,354,005	422,002	150,001	74,000							
Three-year average		2,000,008	1,354,005	422,002	150,001	74,000	-	-	-	-	-	-	-

2016 Cost Allocation Model

EB-2015-0004 (Year 2018)
Sheet 18 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	6	7	8	9	11	12	13	
		Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use	
CO-INCIDENT PEAK													
1 CP													
Transformation CP	TCP1	1,267,602	435,054	149,655	494,585	109,276	77,293	-	-	1,740	-	-	
Bulk Delivery CP	BCP1	1,267,602	435,054	149,655	494,585	109,276	77,293	-	-	1,740	-	-	
Total Sytem CP	DCP1	1,267,602	435,054	149,655	494,585	109,276	77,293	-	-	1,740	-	-	
4 CP													
Transformation CP	TCP4	4,952,332	1,784,940	480,173	1,869,197	477,895	315,302	17,420	13	7,391	-	-	
Bulk Delivery CP	BCP4	4,952,332	1,784,940	480,173	1,869,197	477,895	315,302	17,420	13	7,391	-	-	
Total Sytem CP	DCP4	4,952,332	1,784,940	480,173	1,869,197	477,895	315,302	17,420	13	7,391	-	-	
12 CP													
Transformation CP	TCP12	13,710,594	4,685,463	1,358,391	5,223,220	1,423,600	946,663	50,411	42	22,576	-	230	
Bulk Delivery CP	BCP12	13,710,594	4,685,463	1,358,391	5,223,220	1,423,600	946,663	50,411	42	22,576	-	230	
Total Sytem CP	DCP12	13,710,594	4,685,463	1,358,391	5,223,220	1,423,600	946,663	50,411	42	22,576	-	230	
NON CO INCIDENT PEAK													
1 NCP													
Classification NCP from Load Data Provider		DNCP1	1,443,818	495,101	149,655	513,806	162,654	105,290	13,873	12	2,276	-	1,152
Primary NCP		PNCP1	1,443,818	495,101	149,655	513,806	162,654	105,290	13,873	12	2,276	-	1,152
Line Transformer NCP		LTNCP1	1,229,661	495,101	149,655	447,011	71,567	49,486	13,873	12	2,276	-	680
Secondary NCP		SNCP1	917,820	495,101	149,655	256,903			13,873	12	2,276	-	
4 NCP													
Classification NCP from Load Data Provider		DNCP4	5,610,210	1,952,732	563,804	1,995,184	627,182	404,858	53,619	46	8,949	-	3,836
Primary NCP		PNCP4	5,610,210	1,952,732	563,804	1,995,184	627,182	404,858	53,619	46	8,949	-	3,836
Line Transformer NCP		LTNCP4	4,817,385	1,952,732	563,804	1,769,728	275,960	190,284	53,619	46	8,949	-	2,263
Secondary NCP		SNCP4	3,576,742	1,952,732	563,804	997,592			53,619	46	8,949	-	
12 NCP													
Classification NCP from Load Data Provider		DNCP12	15,516,859	5,416,339	1,542,892	5,599,216	1,703,041	1,090,940	130,651	112	26,011	-	7,657
Primary NCP		PNCP12	15,516,859	5,416,339	1,542,892	5,599,216	1,703,041	1,090,940	130,651	112	26,011	-	7,657
Line Transformer NCP		LTNCP12	13,253,921	5,416,339	1,542,892	4,871,318	749,338	512,742	130,651	112	26,011	-	4,517
Secondary NCP		SNCP12	9,915,614	5,416,339	1,542,892	2,799,608			130,651	112	26,011	-	

2016 Cost Allocation Model

EB-2015-0004 (Year 2018)
Sheet 01 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	Total	1 Residential	2 GS <50	3 GS 50 to 1,499 kW	4 GS 1,500 to 4,999 kW	6 Large Use	7 Street Light	8 Sentinel	9 Unmetered Scattered Load	11 Standby Power GS 50 to 1,499 kW	12 Standby Power GS 1,500 to 4,999 kW	13 Standby Power Large Use
Assets												
crev Distribution Revenue at Existing Rates	\$158,312,045	\$87,038,947	\$19,869,160	\$34,078,185	\$10,293,812	\$5,589,542	\$872,268	\$3,651	\$556,350	\$0	\$10,131	\$0
mi Miscellaneous Revenue (mi)	\$11,719,491	\$7,993,114	\$1,130,181	\$1,833,178	\$428,782	\$248,755	\$63,092	\$679	\$18,898	\$0	\$2,812	\$0
	Miscellaneous Revenue Input equals Output											
Total Revenue at Existing Rates	\$170,031,536	\$95,032,060	\$20,999,341	\$35,911,364	\$10,722,594	\$5,838,296	\$935,360	\$4,329	\$575,247	\$0	\$12,943	\$0
Factor required to recover deficiency (1 + D)	1.1299											
Distribution Revenue at Status Quo Rates	\$178,874,992	\$98,344,323	\$22,449,940	\$38,504,557	\$11,630,862	\$6,315,560	\$985,566	\$4,125	\$628,613	\$0	\$11,446	\$0
Miscellaneous Revenue (mi)	\$11,719,491	\$7,993,114	\$1,130,181	\$1,833,178	\$428,782	\$248,755	\$63,092	\$679	\$18,898	\$0	\$2,812	\$0
Total Revenue at Status Quo Rates	\$190,594,482	\$106,337,436	\$23,580,121	\$40,337,735	\$12,059,644	\$6,564,315	\$1,048,658	\$4,803	\$647,511	\$0	\$14,259	\$0
Expenses												
di Distribution Costs (di)	\$28,088,570	\$13,532,298	\$2,899,877	\$7,773,770	\$2,086,571	\$1,356,596	\$325,495	\$1,134	\$101,546	\$0	\$11,282	\$0
cu Customer Related Costs (cu)	\$16,908,881	\$13,755,645	\$1,671,926	\$1,268,298	\$180,299	\$15,571	\$12,848	\$1,129	\$355	\$0	\$2,810	\$0
ad General and Administration (ad)	\$41,313,063	\$24,681,209	\$4,207,196	\$8,532,671	\$2,150,921	\$1,311,199	\$318,567	\$2,032	\$96,161	\$0	\$13,107	\$0
dep Depreciation and Amortization (dep)	\$46,388,393	\$22,891,408	\$5,022,676	\$12,526,568	\$3,249,622	\$2,089,548	\$451,022	\$1,487	\$138,694	\$0	\$17,367	\$0
INPUT PILS (INPUT)	\$4,897,014	\$2,306,365	\$514,488	\$1,395,159	\$371,778	\$241,317	\$50,407	\$164	\$15,507	\$0	\$1,829	\$0
INT Interest	\$19,442,235	\$9,156,779	\$2,042,630	\$5,539,088	\$1,476,042	\$958,080	\$200,126	\$853	\$61,566	\$0	\$7,262	\$0
Total Expenses	\$157,038,147	\$86,323,705	\$16,358,793	\$37,035,554	\$9,515,233	\$5,972,311	\$1,358,465	\$6,598	\$413,829	\$0	\$53,658	\$0
Direct Allocation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
NI Allocated Net Income (NI)	\$33,556,335	\$15,804,155	\$3,525,480	\$9,560,196	\$2,547,577	\$1,653,600	\$345,407	\$1,126	\$106,260	\$0	\$12,535	\$0
Revenue Requirement (includes NI)	\$190,594,482	\$102,127,860	\$19,884,273	\$46,595,749	\$12,062,810	\$7,625,911	\$1,703,872	\$7,725	\$520,089	\$0	\$66,193	\$0
	Revenue Requirement Input equals Output											
Rate Base Calculation												
Net Assets												
dp Distribution Plant - Gross	\$933,897,898	\$448,448,845	\$98,752,735	\$260,786,437	\$68,439,678	\$44,381,183	\$9,693,368	\$32,419	\$3,015,421	\$0	\$347,811	\$0
ap General Plant - Gross	\$160,744,133	\$76,867,704	\$16,807,309	\$45,113,035	\$11,860,146	\$7,703,155	\$1,698,076	\$5,703	\$529,049	\$0	\$59,956	\$0
accu dep Accumulated Depreciation	(\$180,299,105)	(\$88,078,561)	(\$19,488,084)	(\$49,288,024)	(\$12,837,079)	(\$8,267,340)	(\$1,732,468)	(\$5,683)	(\$535,139)	\$0	(\$66,727)	\$0
co Capital Contribution	(\$83,376,216)	(\$45,178,899)	(\$8,857,777)	(\$20,278,125)	(\$4,581,938)	(\$2,988,936)	(\$1,079,503)	(\$4,363)	(\$365,981)	\$0	(\$30,692)	\$0
Total Net Plant	\$830,966,710	\$392,059,088	\$87,314,183	\$236,333,323	\$62,880,807	\$40,818,062	\$8,579,474	\$28,076	\$2,643,350	\$0	\$310,348	\$0
Directly Allocated Net Fixed Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
COP Cost of Power (COP)	\$947,558,773	\$285,391,883	\$91,246,474	\$368,891,926	\$114,864,148	\$79,341,238	\$5,642,837	\$6,519	\$2,173,747	\$0	\$0	\$0
OM&A Expenses	\$86,310,514	\$51,969,153	\$8,778,999	\$17,574,739	\$4,417,791	\$2,683,366	\$656,910	\$4,295	\$198,062	\$0	\$27,199	\$0
Directly Allocated Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Subtotal	\$1,033,869,288	\$337,361,036	\$100,025,474	\$386,466,665	\$119,281,939	\$82,024,604	\$6,299,748	\$10,814	\$2,371,809	\$0	\$27,199	\$0
Working Capital	\$81,882,448	\$26,718,994	\$7,922,018	\$30,608,160	\$9,447,130	\$6,496,349	\$498,940	\$856	\$187,847	\$0	\$2,154	\$0
Total Rate Base	\$912,849,156	\$418,778,082	\$95,236,201	\$266,941,483	\$72,327,936	\$47,314,411	\$9,078,414	\$28,932	\$2,831,197	\$0	\$312,502	\$0
	Rate Base Input equals Output											
Equity Component of Rate Base	\$365,139,663	\$167,511,233	\$38,094,480	\$106,776,593	\$28,931,175	\$18,925,764	\$3,631,365	\$11,573	\$1,132,479	\$0	\$125,001	\$0
Net Income on Allocated Assets	\$33,556,335	\$20,013,731	\$7,221,327	\$3,302,182	\$2,544,411	\$592,003	(\$309,807)	(\$1,795)	\$233,682	\$0	(\$39,400)	\$0
Net Income on Direct Allocation Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Income	\$33,556,335	\$20,013,731	\$7,221,327	\$3,302,182	\$2,544,411	\$592,003	(\$309,807)	(\$1,795)	\$233,682	\$0	(\$39,400)	\$0
RATIOS ANALYSIS												
REVENUE TO EXPENSES STATUS QUO%	100.00%	104.12%	118.59%	86.57%	99.97%	86.08%	61.55%	62.18%	124.50%	0.00%	21.54%	0.00%
EXISTING REVENUE MINUS ALLOCATED COSTS	(\$20,562,946)	(\$7,095,800)	\$1,115,068	(\$10,684,386)	(\$1,340,216)	(\$1,787,615)	(\$768,512)	(\$3,395)	\$55,158	\$0	(\$53,250)	\$0
	Deficiency Input equals Output											
STATUS QUO REVENUE MINUS ALLOCATED COSTS	(\$0)	\$4,209,576	\$3,695,848	(\$6,258,014)	(\$3,166)	(\$1,061,596)	(\$655,214)	(\$2,921)	\$127,422	\$0	(\$51,934)	\$0
RETURN ON EQUITY COMPONENT OF RATE BASE	9.19%	11.95%	18.96%	3.09%	8.79%	3.13%	-8.53%	-15.51%	20.63%	0.00%	-31.52%	0.00%



Ontario Energy Board

2016 Cost Allocation Model

EB-2015-0004 (Year 2018)

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

Output sheet showing minimum and maximum level for Monthly Fixed Charge

Summary

Customer Unit Cost per month - Avoided Cost
Customer Unit Cost per month - Directly Related
Customer Unit Cost per month - Minimum System with PLCC Adjustment
Existing Approved Fixed Charge

1	2	3	4	6	7	8	9	11	12	13
Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
\$4.45	\$6.98	\$40.66	\$163.72	\$74.02	\$0.19	\$1.80	-\$0.03	0	\$197.29	0
\$7.69	\$11.31	\$69.19	\$286.81	\$197.74	\$0.46	\$3.59	-\$0.02	0	\$317.47	0
\$16.25	\$24.19	\$98.17	\$528.16	\$592.72	\$14.52	\$13.33	\$7.80	0	\$260.56	0
\$9.67	\$16.72	\$260.82	\$4,193.93	\$15,231.32	\$0.57	\$2.62	\$4.43	\$122.41	\$122.41	\$122.41

2016 Cost Allocation Model

EB-2015-0004 (Year 2019)

Sheet I6.1 Revenue Worksheet -

Total kWhs from Load Forecast	7,364,071,000
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Total kW from Load Forecast	9,962,801
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Deficiency/sufficiency (RRWF 8. cell F51)	27,350,333
---	------------

Miscellaneous Revenue (RRWF 5. cell F48)	11,799,409
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Billing Data			1	2	3	4	6	7	8	9	11	12	13
	ID	Total	Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
Forecast kWh	CEN	7,364,071,000	2,214,984,000	704,193,000	2,852,593,000	914,569,000	617,036,000	43,876,000	48,000	16,772,000			
Forecast kW	CDEM	9,962,801			6,761,930	1,957,009	1,115,702	123,144	216			4,800	
Forecast kW, included in CDEM, of customers receiving line transformer allowance		2,458,660			1,690,483	489,252	278,926						
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	7,364,071,000	2,214,984,000	704,193,000	2,852,593,000	914,569,000	617,036,000	43,876,000	48,000	16,772,000	-	-	-
Existing Monthly Charge			\$9.67	\$16.72	\$260.82	\$4,193.93	\$15,231.32	\$0.57	\$2.62	\$4.43	\$122.41	\$122.41	\$122.41
Existing Distribution kWh Rate			\$0.0234	\$0.0210						\$0.0219			
Existing Distribution kW Rate					\$3.5691	\$3.4887	\$3.3129	\$3.9997	\$10.0361		\$2	\$1	\$2
Existing TOA Rate					\$0.45	\$0.45	\$0.45						
Additional Charges													
Distribution Revenue from Rates		\$159,976,740	\$87,685,777	\$19,773,873	\$34,712,342	\$10,652,281	\$5,706,743	\$872,268	\$3,525	\$559,799	\$0	\$10,131	\$0
Transformer Ownership Allowance		\$1,106,397	\$0	\$0	\$760,717	\$220,164	\$125,516	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$158,870,343	\$87,685,777	\$19,773,873	\$33,951,625	\$10,432,118	\$5,581,227	\$872,268	\$3,525	\$559,799	\$0	\$10,131	\$0

2016 Cost Allocation Model

EB-2015-0004 (Year 2019)
Sheet I6.2 Customer Data Worksheet -

			1	2	3	4	6	7	8	9	11	12	13
	ID	Total	Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
Billing Data													
Bad Debt 3 Year Historical Average	BDHA	\$2,000,008	\$1,354,005	\$422,002	\$150,001	\$74,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Late Payment 3 Year Historical Average	LPHA	\$884,964	\$658,889	\$119,577	\$93,649	\$12,109	\$102	\$156	\$104	\$377			
Number of Bills	CNB	4,048,512	3,707,875	298,195.00	40,558.00	912.00	132.00	180.00	516.00	120.00		24	
Number of Devices	CDEV							55,516	43	3,621			
Number of Connections (Unmetered)	CCON	7,365						3,701	43	3,621			
Total Number of Customers	CCA	337,376	308,990	24,850	3,380	76	11	15	43	10		2	
Bulk Customer Base	CCB	337,376	308,990	24,850	3,380	76	11	15	43	10		2	
Primary Customer Base	CCP	345,834	308,990	24,850	3,380	76	11	8,473	43	10		2	
Line Transformer Customer Base	CCLT	345,402	308,990	24,850	2,998	33	5	8,473	43	10			
Secondary Customer Base	CCS	335,597	308,990	24,850	1,690			15	43	10			
Weighted - Services	CWCS	382,953	308,990	49,699	16,899	-	-	3,701	43	3,621	-	-	-
Weighted Meter - Capital	CWMC	62,395,113	45,725,600	9,273,525	6,505,988	760,000	110,000	-	-	-	-	20,000	-
Weighted Meter Reading	CWMR	516,753	308,990	24,850	163,964	16,182	2,342	-	-	-	-	426	-
Weighted Bills	CWNB	4,307,951	3,707,875	307,151	260,922	23,055	3,329	4,531	364	125	-	598	-

Bad Debt Data

Historic Year:	2012	2,000,008	1,354,005	422,002	150,001	74,000							
Historic Year:	2013	2,000,008	1,354,005	422,002	150,001	74,000							
Historic Year:	2014	2,000,008	1,354,005	422,002	150,001	74,000							
Three-year average		2,000,008	1,354,005	422,002	150,001	74,000	-	-	-	-	-	-	-

SSS Admin Charge Data

Historic Year:	2012	979,657	895,929	74,332	9,078	226	35	56		2			
Historic Year:	2013	896,212	819,690	67,433	8,586	214	30	12		270			
Historic Year:	2014	920,026	842,937	67,671	8,715	253	30	21		398			
Three-year average		931,965	852,852	69,812	8,793	231	32	22	-	224	-	-	-

Street Lighting Adjustment Factors

NCP Test Results	4 NCP
------------------	-------

	Primary Asset Data		Line Transformer Asset Data	
Class	Customers/ Devices	4 NCP	Customers/ Devices	4 NCP
Residential	308,990	1,960,323	308,990	1,960,323
Street Light	55,516	53,755	55,516	53,755

Street Lighting Adjustment Factors	
Primary	6.5522
Line Transformer	6.5522

2016 Cost Allocation Model

EB-2015-0004 (Year 2019)
Sheet 18 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	6	7	8	9	11	12	13
		Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
CO-INCIDENT PEAK												
1 CP												
Transformation CP TCP1	1,266,355	436,746	148,474	490,658	111,619	77,114	-	-	1,744	-	-	-
Bulk Delivery CP BCP1	1,266,355	436,746	148,474	490,658	111,619	77,114	-	-	1,744	-	-	-
Total Sytem CP DCP1	1,266,355	436,746	148,474	490,658	111,619	77,114	-	-	1,744	-	-	-
4 CP												
Transformation CP TCP4	4,950,222	1,791,878	476,386	1,854,357	488,143	314,572	17,464	12	7,410	-	-	-
Bulk Delivery CP BCP4	4,950,222	1,791,878	476,386	1,854,357	488,143	314,572	17,464	12	7,410	-	-	-
Total Sytem CP DCP4	4,950,222	1,791,878	476,386	1,854,357	488,143	314,572	17,464	12	7,410	-	-	-
12 CP												
Transformation CP TCP12	13,705,140	4,703,675	1,347,677	5,181,751	1,454,127	944,473	50,539	38	22,631	-	230	-
Bulk Delivery CP BCP12	13,705,140	4,703,675	1,347,677	5,181,751	1,454,127	944,473	50,539	38	22,631	-	230	-
Total Sytem CP DCP12	13,705,140	4,703,675	1,347,677	5,181,751	1,454,127	944,473	50,539	38	22,631	-	230	-
NON CO INCIDENT PEAK												
1 NCP												
Classification NCP from Load Data Provider DNCP1	1,443,767	497,026	148,474	509,727	166,142	105,046	13,908	11	2,282	-	1,152	-
Primary NCP PNCP1	1,443,767	497,026	148,474	509,727	166,142	105,046	13,908	11	2,282	-	1,152	-
Line Transformer NCP LTNCP1	1,228,317	497,026	148,474	443,462	73,102	49,372	13,908	11	2,282	-	680	-
Secondary NCP SNCP1	916,565	497,026	148,474	254,864			13,908	11	2,282	-		
4 NCP												
Classification NCP from Load Data Provider DNCP4	5,610,179	1,960,323	559,357	1,979,344	640,631	403,922	53,755	42	8,971	-	3,836	-
Primary NCP PNCP4	5,610,179	1,960,323	559,357	1,979,344	640,631	403,922	53,755	42	8,971	-	3,836	-
Line Transformer NCP LTNCP4	4,812,109	1,960,323	559,357	1,755,678	281,877	189,844	53,755	42	8,971	-	2,263	-
Secondary NCP SNCP4	3,572,120	1,960,323	559,357	989,672			53,755	42	8,971	-		
12 NCP												
Classification NCP from Load Data Provider DNCP12	15,515,671	5,437,392	1,530,723	5,554,762	1,739,561	1,088,415	130,983	103	26,075	-	7,657	-
Primary NCP PNCP12	15,515,671	5,437,392	1,530,723	5,554,762	1,739,561	1,088,415	130,983	103	26,075	-	7,657	-
Line Transformer NCP LTNCP12	13,239,399	5,437,392	1,530,723	4,832,643	765,407	511,556	130,983	103	26,075	-	4,517	-
Secondary NCP SNCP12	9,902,658	5,437,392	1,530,723	2,777,381			130,983	103	26,075	-		

2016 Cost Allocation Model

EB-2015-0004 (Year 2019)
Sheet 01 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	2	3	4	6	7	8	9	11	12	13
		Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
crev mi	Distribution Revenue at Existing Rates	\$158,870,343	\$87,685,777	\$19,773,873	\$33,951,625	\$10,432,118	\$5,581,227	\$872,268	\$3,525	\$559,799	\$0	\$10,131
	Miscellaneous Revenue (mi)	\$11,799,409	\$8,059,134	\$1,131,417	\$1,833,088	\$439,737	\$249,996	\$63,589	\$626	\$18,981	\$0	\$2,841
	Miscellaneous Revenue Input equals Output	\$170,669,753	\$95,744,911	\$20,905,291	\$35,784,713	\$10,871,855	\$5,831,223	\$935,857	\$4,151	\$578,780	\$0	\$12,971
	Total Revenue at Existing Rates	\$170,669,753	\$95,744,911	\$20,905,291	\$35,784,713	\$10,871,855	\$5,831,223	\$935,857	\$4,151	\$578,780	\$0	\$12,971
	Factor required to recover deficiency (1 + D)	1.1722										
di cu ad dep INPUT INT	Distribution Revenue at Status Quo Rates	\$186,220,676	\$102,781,327	\$23,178,046	\$39,796,569	\$12,228,060	\$6,542,063	\$1,022,434	\$4,132	\$656,171	\$0	\$11,875
	Miscellaneous Revenue (mi)	\$11,799,409	\$8,059,134	\$1,131,417	\$1,833,088	\$439,737	\$249,996	\$63,589	\$626	\$18,981	\$0	\$2,841
	Total Revenue at Status Quo Rates	\$198,020,085	\$110,840,460	\$24,309,463	\$41,629,657	\$12,667,797	\$6,792,060	\$1,086,023	\$4,758	\$675,153	\$0	\$14,715
	Expenses	\$28,625,062	\$13,811,950	\$2,934,637	\$7,873,358	\$2,175,312	\$1,381,238	\$332,596	\$1,045	\$103,325	\$0	\$11,601
	Distribution Costs (di)	\$17,231,840	\$14,039,284	\$1,696,656	\$1,280,371	\$182,644	\$15,709	\$12,942	\$1,040	\$357	\$0	\$2,835
NI	Customer Related Costs (cu)	\$42,102,143	\$25,188,410	\$4,261,251	\$8,639,371	\$2,238,846	\$1,335,557	\$325,541	\$1,873	\$97,854	\$0	\$13,441
	General and Administration (ad)	\$48,157,576	\$23,850,037	\$5,180,196	\$12,885,151	\$3,443,233	\$2,163,181	\$471,834	\$1,404	\$144,284	\$0	\$18,255
	Depreciation and Amortization (dep)	\$7,197,120	\$3,386,233	\$749,800	\$2,041,719	\$562,424	\$356,581	\$274,664	\$218	\$22,739	\$0	\$2,742
	PIUs (INPUT)	\$20,294,422	\$9,548,493	\$2,114,285	\$5,757,233	\$1,585,921	\$1,005,485	\$210,537	\$616	\$64,119	\$0	\$7,732
	Interest	\$163,608,163	\$89,624,408	\$16,936,626	\$39,477,203	\$10,188,379	\$6,297,751	\$1,428,114	\$6,197	\$432,678	\$0	\$56,606
COP	Total Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Direct Allocation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Allocated Net Income (NI)	\$34,411,923	\$16,190,755	\$3,585,055	\$9,762,163	\$2,689,142	\$1,704,935	\$356,993	\$1,044	\$108,723	\$0	\$13,111
	Revenue Requirement (includes NI)	\$198,020,085	\$106,015,163	\$20,521,881	\$48,239,366	\$12,877,521	\$7,962,686	\$1,785,107	\$7,241	\$541,401	\$0	\$69,718
	Revenue Requirement Input equals Output	\$198,020,085	\$106,015,163	\$20,521,881	\$48,239,366	\$12,877,521	\$7,962,686	\$1,785,107	\$7,241	\$541,401	\$0	\$69,718
Rate Base Calculation												
dp gp accum dep co	Net Assets	\$1,023,044,872	\$492,937,884	\$107,444,898	\$283,238,345	\$76,522,849	\$48,467,955	\$10,704,598	\$32,311	\$3,309,273	\$0	\$386,759
	Distribution Plant - Gross	\$1,023,044,872	\$492,937,884	\$107,444,898	\$283,238,345	\$76,522,849	\$48,467,955	\$10,704,598	\$32,311	\$3,309,273	\$0	\$386,759
	General Plant - Gross	\$171,441,496	\$82,159,808	\$17,888,352	\$47,775,628	\$12,938,068	\$8,209,573	\$1,832,369	\$5,554	\$67,084	\$0	\$65,058
	Accumulated Depreciation	(\$229,229,732)	(\$112,518,316)	(\$24,617,549)	(\$62,025,757)	(\$16,616,499)	(\$10,455,667)	(\$2,220,289)	(\$6,595)	(\$683,536)	\$0	(\$85,524)
	Capital Contribution	(\$105,892,810)	(\$57,465,134)	(\$11,172,242)	(\$25,650,053)	(\$5,929,743)	(\$3,793,947)	(\$1,373,319)	(\$5,006)	(\$464,364)	\$0	(\$39,004)
COP	Total Net Plant	\$859,363,826	\$405,114,243	\$89,543,460	\$243,338,164	\$66,914,675	\$42,427,913	\$8,943,359	\$26,264	\$2,728,457	\$0	\$327,290
	Directly Allocated Net Fixed Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Cost of Power (COP)	\$928,733,588	\$279,346,850	\$88,810,617	\$359,760,102	\$115,342,580	\$77,818,649	\$5,533,504	\$6,054	\$2,115,232	\$0	\$0
	OM&A Expenses	\$87,959,045	\$53,039,644	\$8,892,544	\$17,793,100	\$4,596,802	\$2,732,504	\$671,079	\$3,958	\$201,536	\$0	\$27,877
	Directly Allocated Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
COP	Subtotal	\$1,016,692,633	\$332,386,494	\$97,703,161	\$377,553,202	\$119,939,382	\$80,551,153	\$6,204,583	\$10,012	\$2,316,768	\$0	\$27,877
	Working Capital	\$76,760,294	\$25,095,180	\$7,376,589	\$28,505,267	\$9,055,423	\$6,081,612	\$468,446	\$756	\$174,916	\$0	\$2,105
	Total Rate Base	\$936,124,119	\$430,209,423	\$96,920,048	\$271,843,431	\$75,970,099	\$48,509,526	\$9,411,805	\$27,020	\$2,903,373	\$0	\$329,395
Rate Base Input equals Output												
COP	Equity Component of Rate Base	\$374,449,648	\$172,083,769	\$38,768,019	\$108,737,372	\$30,388,039	\$19,403,810	\$3,764,722	\$10,808	\$1,161,349	\$0	\$131,758
	Net Income on Allocated Assets	\$34,411,923	\$21,016,053	\$7,372,637	\$3,152,454	\$2,479,418	\$534,309	(\$342,091)	(\$1,439)	\$242,474	\$0	(\$41,891)
	Net Income on Direct Allocation Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Net Income	\$34,411,923	\$21,016,053	\$7,372,637	\$3,152,454	\$2,479,418	\$534,309	(\$342,091)	(\$1,439)	\$242,474	\$0	(\$41,891)
	RATIOS ANALYSIS	100.00%	104.55%	118.46%	86.30%	98.37%	85.30%	60.84%	65.70%	124.70%	0.00%	21.11%
COP	REVENUE TO EXPENSES STATUS QUO%	100.00%	104.55%	118.46%	86.30%	98.37%	85.30%	60.84%	65.70%	124.70%	0.00%	21.11%
	EXISTING REVENUE MINUS ALLOCATED COSTS	(\$27,350,333)	(\$10,270,252)	\$383,409	(\$12,454,654)	(\$2,005,666)	(\$2,131,463)	(\$849,249)	(\$3,091)	\$37,379	\$0	(\$56,747)
	Deficiency Input equals Output	\$0	\$4,825,298	\$3,787,582	(\$6,609,710)	(\$209,725)	(\$1,170,626)	(\$699,084)	(\$2,484)	\$133,751	\$0	(\$55,002)
	STATUS QUO REVENUE MINUS ALLOCATED COSTS	\$0	\$4,825,298	\$3,787,582	(\$6,609,710)	(\$209,725)	(\$1,170,626)	(\$699,084)	(\$2,484)	\$133,751	\$0	(\$55,002)
	RETURN ON EQUITY COMPONENT OF RATE BASE	9.19%	12.21%	19.02%	2.90%	8.16%	2.75%	-9.09%	-13.32%	20.88%	0.00%	-31.79%



Ontario Energy Board

2016 Cost Allocation Model

EB-2015-0004 (Year 2019)

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

Output sheet showing minimum and maximum level for Monthly Fixed Charge

Summary

Customer Unit Cost per month - Avoided Cost
Customer Unit Cost per month - Directly Related
Customer Unit Cost per month - Minimum System
with PLCC Adjustment
Existing Approved Fixed Charge

1	2	3	4	6	7	8	9	11	12	13
Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
\$4.52	\$7.12	\$40.55	\$166.25	\$75.32	\$0.19	\$1.80	-\$0.03	0	\$200.91	0
\$7.77	\$11.44	\$68.77	\$289.18	\$198.87	\$0.47	\$3.60	-\$0.02	0	\$320.96	0
\$16.53	\$24.58	\$98.30	\$540.44	\$616.39	\$15.03	\$13.65	\$7.98	0	\$259.06	0
\$9.67	\$16.72	\$260.82	\$4,193.93	\$15,231.32	\$0.57	\$2.62	\$4.43	\$122.41	\$122.41	\$122.41

2016 Cost Allocation Model

EB-2015-0004 (Year 2020)

Sheet I6.1 Revenue Worksheet -

Total kWhs from Load Forecast	7,364,398,000
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Total kW from Load Forecast	9,953,606
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Deficiency/sufficiency (RRWF 8. cell F51)	31,078,557
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Miscellaneous Revenue (RRWF 5. cell F48)	11,895,283
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			1	2	3	4	6	7	8	9	11	12	13
	ID	Total	Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
Billing Data													
Forecast kWh	CEN	7,364,398,000	2,217,628,000	699,744,000	2,835,387,000	935,554,000	615,195,000	44,015,000	48,000	16,827,000			
Forecast kW	CDEM	9,953,606			6,711,579	2,001,525	1,112,342	123,144	216			4,800	
Forecast kW, included in CDEM, of customers receiving line transformer allowance		2,456,362			1,677,895	500,381	278,086						
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	7,364,398,000	2,217,628,000	699,744,000	2,835,387,000	935,554,000	615,195,000	44,015,000	48,000	16,827,000	-	-	-
Existing Monthly Charge			\$9.67	\$16.72	\$260.82	\$4,193.93	\$15,231.32	\$0.57	\$2.62	\$4.43	\$122.41	\$122.41	\$122.41
Existing Distribution kWh Rate			\$0.0234	\$0.0210						\$0.0219			
Existing Distribution kW Rate					\$3.5691	\$3.4887	\$3.3129	\$3.9997	\$10.0361		\$2	\$1	\$2
Existing TOA Rate					\$0.45	\$0.45	\$0.45						
Additional Charges													
Distribution Revenue from Rates		\$160,463,532	\$88,188,231	\$19,702,481	\$34,620,270	\$10,807,584	\$5,695,612	\$872,268	\$3,399	\$563,555	\$0	\$10,131	\$0
Transformer Ownership Allowance		\$1,105,363	\$0	\$0	\$755,053	\$225,172	\$125,138	\$0	\$0	\$0	\$0	\$0	\$0
Net Class Revenue	CREV	\$159,358,170	\$88,188,231	\$19,702,481	\$33,865,217	\$10,582,413	\$5,570,474	\$872,268	\$3,399	\$563,555	\$0	\$10,131	\$0

2016 Cost Allocation Model

EB-2015-0004 (Year 2020)
Sheet 16.2 Customer Data Worksheet -

			1	2	3	4	6	7	8	9	11	12	13
	ID	Total	Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
Billing Data													
Bad Debt 3 Year Historical Average	BDHA	\$2,000,008	\$1,354,005	\$422,002	\$150,001	\$74,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Late Payment 3 Year Historical Average	LPHA	\$884,964	\$658,889	\$119,577	\$93,649	\$12,109	\$102	\$156	\$104	\$377			
Number of Bills	CNB	4,095,680	3,753,437	299,513.00	40,894.00	912.00	132.00	180.00	468.00	120.00		24	
Number of Devices	CDEV							55,516	39	3,669			
Number of Connections (Unmetered)	CCON	7,409						3,701	39	3,669			
Total Number of Customers	CCA	341,307	312,786	24,959	3,408	76	11	15	39	10		2	
Bulk Customer Base	CCB	341,307	312,786	24,959	3,408	76	11	15	39	10		2	
Primary Customer Base	CCP	349,886	312,786	24,959	3,408	76	11	8,594	39	10		2	
Line Transformer Customer Base	CCLT	349,450	312,786	24,959	3,023	33	5	8,594	39	10			
Secondary Customer Base	CCS	339,514	312,786	24,959	1,704			15	39	10			
Weighted - Services	CWCS	387,154	312,786	49,919	17,039	-	-	3,701	39	3,669	-	-	-
Weighted Meter - Capital	CWMC	63,372,265	46,279,816	9,314,182	6,888,267	760,000	110,000	-	-	-	-	20,000	-
Weighted Meter Reading	CWMR	522,018	312,786	24,959	165,322	16,182	2,342	-	-	-	-	426	-
Weighted Bills	CWNB	4,356,999	3,753,437	308,509	263,084	23,055	3,329	4,531	330	125	-	598	-

Bad Debt Data

Historic Year:	2012	2,000,008	1,354,005	422,002	150,001	74,000							
Historic Year:	2013	2,000,008	1,354,005	422,002	150,001	74,000							
Historic Year:	2014	2,000,008	1,354,005	422,002	150,001	74,000							
Three-year average		2,000,008	1,354,005	422,002	150,001	74,000	-	-	-	-	-	-	-

SSS Admin Charge Data

Historic Year:	2012	979,657	895,929	74,332	9,078	226	35	56		2			
Historic Year:	2013	896,212	819,690	67,433	8,586	214	30	12		270			
Historic Year:	2014	920,026	842,937	67,671	8,715	253	30	21		398			
Three-year average		931,965	852,852	69,812	8,793	231	32	22	-	224	-	-	-

Street Lighting Adjustment Factors

NCP Test Results	4 NCP
------------------	-------

	Primary Asset Data		Line Transformer Asset Data	
Class	Customers/ Devices	4 NCP	Customers/ Devices	4 NCP
Residential	312,786	1,962,665	312,786	1,962,665
Street Light	55,516	53,925	55,516	53,925

Street Lighting Adjustment Factors	
Primary	6.4599
Line Transformer	6.4599

2016 Cost Allocation Model

EB-2015-0004 (Year 2020)
Sheet 18 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	6	7	8	9	11	12	13	
		Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use	
CO-INCIDENT PEAK													
1 CP													
Transformation CP	TCP1	1,265,316	437,267	147,536	487,699	114,180	76,884	-	-	1,750	-	-	
Bulk Delivery CP	BCP1	1,265,316	437,267	147,536	487,699	114,180	76,884	-	-	1,750	-	-	
Total Sytem CP	DCP1	1,265,316	437,267	147,536	487,699	114,180	76,884	-	-	1,750	-	-	
4 CP													
Transformation CP	TCP4	4,948,510	1,794,019	473,377	1,843,172	499,344	313,634	17,520	11	7,434	-	-	
Bulk Delivery CP	BCP4	4,948,510	1,794,019	473,377	1,843,172	499,344	313,634	17,520	11	7,434	-	-	
Total Sytem CP	DCP4	4,948,510	1,794,019	473,377	1,843,172	499,344	313,634	17,520	11	7,434	-	-	
12 CP													
Transformation CP	TCP12	13,701,771	4,709,296	1,339,163	5,150,496	1,487,492	941,655	50,699	35	22,705	-	230	
Bulk Delivery CP	BCP12	13,701,771	4,709,296	1,339,163	5,150,496	1,487,492	941,655	50,699	35	22,705	-	230	
Total Sytem CP	DCP12	13,701,771	4,709,296	1,339,163	5,150,496	1,487,492	941,655	50,699	35	22,705	-	230	
NON CO INCIDENT PEAK													
1 NCP													
Classification NCP from Load Data Provider		DNCP1	1,443,898	497,620	147,536	506,652	169,954	104,733	13,952	10	2,289	-	1,152
Primary NCP		PNCP1	1,443,898	497,620	147,536	506,652	169,954	104,733	13,952	10	2,289	-	1,152
Line Transformer NCP		LTNCP1	1,226,878	497,620	147,536	440,787	74,779	49,224	13,952	10	2,289	-	680
Secondary NCP		SNCP1	914,734	497,620	147,536	253,327			13,952	10	2,289	-	
4 NCP													
Classification NCP from Load Data Provider		DNCP4	5,610,740	1,962,665	555,823	1,967,405	655,330	402,716	53,925	38	9,000	-	3,836
Primary NCP		PNCP4	5,610,740	1,962,665	555,823	1,967,405	655,330	402,716	53,925	38	9,000	-	3,836
Line Transformer NCP		LTNCP4	4,806,425	1,962,665	555,823	1,745,088	288,345	189,277	53,925	38	9,000	-	2,263
Secondary NCP		SNCP4	3,565,155	1,962,665	555,823	983,703			53,925	38	9,000	-	
12 NCP													
Classification NCP from Load Data Provider		DNCP12	15,516,152	5,443,890	1,521,052	5,521,257	1,779,475	1,085,168	131,398	94	26,161	-	7,657
Primary NCP		PNCP12	15,516,152	5,443,890	1,521,052	5,521,257	1,779,475	1,085,168	131,398	94	26,161	-	7,657
Line Transformer NCP		LTNCP12	13,223,604	5,443,890	1,521,052	4,803,494	782,969	510,029	131,398	94	26,161	-	4,517
Secondary NCP		SNCP12	9,883,224	5,443,890	1,521,052	2,760,629			131,398	94	26,161	-	

2016 Cost Allocation Model

EB-2015-0004 (Year 2020)
Sheet 01 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	2	3	4	6	7	8	9	11	12	13
			Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
crev mi	Distribution Revenue at Existing Rates	\$159,358,170	\$88,188,231	\$19,702,481	\$33,865,217	\$10,582,413	\$5,570,474	\$872,268	\$3,399	\$563,555	\$0	\$10,131	\$0
	Miscellaneous Revenue (mi)	\$11,895,283	\$8,128,913	\$1,134,161	\$1,842,021	\$452,062	\$251,397	\$64,163	\$574	\$19,135	\$0	\$2,856	\$0
	Miscellaneous Revenue Input equals Output												
	Total Revenue at Existing Rates	\$171,253,453	\$96,317,144	\$20,836,643	\$35,707,238	\$11,034,475	\$5,821,871	\$936,431	\$3,973	\$582,690	\$0	\$12,986	\$0
	Factor required to recover deficiency (1 + D)	1.1950											
di cu ad dep INPUT INT	Distribution Revenue at Status Quo Rates	\$190,436,727	\$105,386,991	\$23,544,924	\$40,469,724	\$12,646,230	\$6,656,846	\$1,042,381	\$4,062	\$673,462	\$0	\$12,106	\$0
	Miscellaneous Revenue (mi)	\$11,895,283	\$8,128,913	\$1,134,161	\$1,842,021	\$452,062	\$251,397	\$64,163	\$574	\$19,135	\$0	\$2,856	\$0
	Total Revenue at Status Quo Rates	\$202,332,010	\$113,515,905	\$24,679,086	\$42,311,745	\$13,098,292	\$6,908,243	\$1,106,544	\$4,636	\$692,597	\$0	\$14,962	\$0
	Expenses												
	Distribution Costs (di)	\$29,171,801	\$14,081,702	\$2,972,562	\$7,986,199	\$2,269,197	\$1,404,408	\$339,609	\$956	\$105,338	\$0	\$11,829	\$0
NI	Customer Related Costs (cu)	\$17,560,968	\$14,310,890	\$1,718,504	\$1,313,788	\$184,768	\$15,812	\$13,041	\$951	\$360	\$0	\$2,854	\$0
	General and Administration (ad)	\$42,906,294	\$25,671,554	\$4,315,691	\$8,780,534	\$2,332,233	\$1,358,937	\$332,239	\$1,712	\$99,719	\$0	\$13,674	\$0
	Depreciation and Amortization (dep)	\$49,383,520	\$24,508,719	\$5,279,952	\$13,139,477	\$3,597,228	\$2,203,364	\$486,416	\$1,298	\$148,275	\$0	\$18,791	\$0
	PILs (INPUT)	\$6,237,663	\$2,919,457	\$644,607	\$1,772,162	\$503,357	\$311,203	\$64,728	\$168	\$19,601	\$0	\$2,379	\$0
	Interest	\$21,274,830	\$9,957,408	\$2,198,566	\$6,044,324	\$1,716,802	\$1,061,423	\$220,767	\$574	\$66,852	\$0	\$8,115	\$0
COP	Total Expenses	\$166,535,076	\$91,449,731	\$17,129,883	\$39,036,485	\$10,603,584	\$6,355,149	\$1,456,800	\$5,659	\$440,145	\$0	\$57,642	\$0
	Direct Allocation												
	Allocated Net Income (NI)	\$35,796,933	\$16,754,289	\$3,699,297	\$10,170,152	\$2,888,683	\$1,785,946	\$371,462	\$966	\$112,485	\$0	\$13,654	\$0
	Revenue Requirement (includes NI)												
	Revenue Requirement Input equals Output	\$202,332,010	\$108,204,020	\$20,829,180	\$49,206,637	\$13,492,267	\$8,141,095	\$1,828,263	\$6,624	\$552,629	\$0	\$71,296	\$0
Rate Base Calculation													
dp gp accum dep co	Net Assets												
	Distribution Plant - Gross	\$1,118,914,961	\$538,780,573	\$116,740,350	\$308,926,433	\$85,722,013	\$52,940,436	\$11,734,159	\$31,658	\$3,616,181	\$0	\$423,158	\$0
	General Plant - Gross	\$185,763,614	\$88,845,911	\$19,236,535	\$51,695,301	\$14,393,201	\$8,906,985	\$1,994,417	\$5,403	\$615,331	\$0	\$70,529	\$0
	Accumulated Depreciation	(\$280,293,370)	(\$137,689,648)	(\$29,897,866)	(\$75,550,289)	(\$20,744,545)	(\$12,730,246)	(\$2,730,453)	(\$7,269)	(\$838,295)	\$0	(\$104,758)	\$0
	Capital Contribution	(\$128,403,755)	(\$69,690,609)	(\$13,468,680)	(\$31,025,281)	(\$7,348,908)	(\$4,585,373)	(\$1,669,207)	(\$5,440)	(\$562,919)	\$0	(\$47,336)	\$0
COP	Total Net Plant	\$895,981,450	\$420,246,227	\$92,610,339	\$254,046,164	\$72,021,761	\$44,531,802	\$9,328,916	\$24,352	\$2,830,298	\$0	\$341,593	\$0
	Directly Allocated Net Fixed Assets												
	Cost of Power (COP)	\$945,198,501	\$284,625,934	\$89,810,054	\$363,913,458	\$120,075,563	\$78,958,442	\$5,649,194	\$6,161	\$2,159,695	\$0	\$0	\$0
	OM&A Expenses	\$89,639,063	\$54,064,147	\$9,006,757	\$18,080,522	\$4,786,198	\$2,779,157	\$684,889	\$3,618	\$205,417	\$0	\$28,357	\$0
	Directly Allocated Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
COP	Subtotal	\$1,034,837,564	\$338,690,081	\$98,816,811	\$381,993,980	\$124,861,761	\$81,737,599	\$6,334,083	\$9,779	\$2,365,112	\$0	\$28,357	\$0
	Working Capital	\$77,819,785	\$25,469,494	\$7,431,024	\$28,725,947	\$9,389,604	\$6,146,667	\$476,323	\$735	\$177,856	\$0	\$2,132	\$0
	Total Rate Base	\$973,801,235	\$445,715,721	\$100,041,363	\$282,772,112	\$81,411,365	\$50,678,469	\$9,805,239	\$25,088	\$3,008,154	\$0	\$343,725	\$0
	Rate Base Input equals Output												
	Equity Component of Rate Base	\$389,520,494	\$178,286,288	\$40,016,545	\$113,108,845	\$32,564,546	\$20,271,388	\$3,922,096	\$10,035	\$1,203,262	\$0	\$137,490	\$0
COP	Net Income on Allocated Assets	\$35,796,933	\$22,066,174	\$7,549,203	\$3,275,260	\$2,494,708	\$553,094	(\$350,256)	(\$1,022)	\$252,452	\$0	(\$42,680)	\$0
	Net Income on Direct Allocation Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Net Income	\$35,796,933	\$22,066,174	\$7,549,203	\$3,275,260	\$2,494,708	\$553,094	(\$350,256)	(\$1,022)	\$252,452	\$0	(\$42,680)	\$0
	RATIOS ANALYSIS												
	REVENUE TO EXPENSES STATUS QUO%	100.00%	104.91%	118.48%	85.99%	97.08%	84.86%	60.52%	69.99%	125.33%	0.00%	20.99%	0.00%
COP	EXISTING REVENUE MINUS ALLOCATED COSTS	(\$31,078,557)	(\$11,886,876)	\$7,463	(\$13,499,398)	(\$2,457,792)	(\$2,319,224)	(\$891,831)	(\$2,651)	\$30,061	\$0	(\$58,309)	\$0
	Deficiency Input equals Output												
	STATUS QUO REVENUE MINUS ALLOCATED COSTS	\$0	\$5,311,885	\$3,849,906	(\$6,894,892)	(\$393,975)	(\$1,232,852)	(\$721,719)	(\$1,988)	\$139,968	\$0	(\$56,334)	\$0
	RETURN ON EQUITY COMPONENT OF RATE BASE	9.19%	12.38%	18.87%	2.90%	7.66%	2.73%	-8.93%	-10.19%	20.98%	0.00%	-31.04%	0.00%



Ontario Energy Board

2016 Cost Allocation Model

EB-2015-0004 (Year 2020)

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

Output sheet showing minimum and maximum level for Monthly Fixed Charge

Summary

Customer Unit Cost per month - Avoided Cost
Customer Unit Cost per month - Directly Related
Customer Unit Cost per month - Minimum System
with PLCC Adjustment
Existing Approved Fixed Charge

1	2	3	4	6	7	8	9	11	12	13
Residential	GS <50	GS 50 to 1,499 kW	GS 1,500 to 4,999 kW	Large Use	Street Light	Sentinel	Unmetered Scattered Load	Standby Power GS 50 to 1,499 kW	Standby Power GS 1,500 to 4,999 kW	Standby Power Large Use
\$4.55	\$7.18	\$42.01	\$165.54	\$70.82	\$0.19	\$1.79	-\$0.03	0	\$202.14	0
\$7.80	\$11.46	\$70.53	\$287.86	\$193.75	\$0.47	\$3.61	-\$0.02	0	\$321.47	0
\$16.59	\$24.64	\$100.16	\$546.80	\$621.49	\$15.26	\$13.74	\$7.99	0	\$258.07	0
\$9.67	\$16.72	\$260.82	\$4,193.93	\$15,231.32	\$0.57	\$2.62	\$4.43	\$122.41	\$122.41	\$122.41