



**Response to OEB Staff Interrogatory Question #1**

**Reference:**

**Question #1:**

1 Staff 1. Updates

Upon completing all interrogatories from OEB staff and intervenors, please provide updated RRWFs in working Microsoft Excel format with any corrections or adjustments that the Applicant wishes to make to the amounts in the previous version of the RRWFs included in the middle column. Please include documentation of the corrections and adjustments, such as a reference to an interrogatory response or an explanatory note. Also upon completing all interrogatories from OEB staff and intervenors please provide any updates to the following Microsoft Excel documents in working format: PILS, any Appendix 2 changes (e.g. cost allocation, rate design, and bill impacts, and so on as required), EDDVAR spreadsheet, and the updated cost allocation model reflecting the revised revenue requirement in the updated RRWFs.

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**Response:**

Please see attachments Att-OEB-Q1-A\_Chapter\_2\_Appendices\_2-G\_SQL for updated Service Reliability Indicators.

Please see attachments Att-OEB-Q1-B, Att-OEB-Q1-C, Att-OEB-Q1-D, Att-OEB-Q1-E, and Att-OEB-Q1-F for updated PILS models using the Ontario Energy Board's ("OEB") updated model published July 7, 2015 for years 2016 through 2020.

Please see attachments Att-OEB-Q1-G\_Updated, Att-OEB-Q1-H\_Updated, Att-OEB-Q1-I\_Updated, Att-OEB-Q1-J\_Updated and Att-OEB-Q1-K\_Updated for Updated Cost Allocation models using the OEB updated model published July 16, 2015 for years 2016 through 2020. The models have been updated to reflect a formula error with the allocation of miscellaneous revenue. During our review of information provided



1 in Appendix 2-BA for years 2015 to 2020, Hydro Ottawa noted errors in two accounts;  
2 Meters (OEB 1860) and Miscellaneous Equipment (OEB 1960). For each fiscal year, the  
3 additions amount under accumulated depreciation for Miscellaneous Equipment should  
4 be approximately \$.3K higher and should be \$.3k lower for Meters. There is no impact  
5 to annual total depreciation expense for years 2015 to 2020 as shown in Exhibit D, Tab  
6 1, Schedule 1 nor any impact on net book value as shown in Appendix 2-BA for years  
7 2015 to 2020. The revised numbers have been used in the cost allocation models.

8  
9 Please see attachments Att-OEB-Q1-L, Att-OEB-Q1-M, Att-OEB-Q1-N, Att-OEB-Q1-O  
10 and Att-OEB-Q1-P for the Revenue Requirement Workforms for 2016 through 2020.

11  
12 Please see attachment Att-OEB-Q1-Q for the RTSR Adjustment Work Form model  
13 released July 16, 2015.

14  
15 Please see attachment Att-OEB-Q1-R for the Deferral and Variance Account (Continuity  
16 Schedule) Workform released August 7, 2015.

17  
18 Please see attachment Att-OEB-Q1-S\_Appendix\_2-U\_IFRS\_Transitions Costs for  
19 updated Appendix 2-S.

20  
21 Please see attachment Att-OEB-Q1-T\_Appendix\_2-TB\_HST\_OVAT for updated  
22 Appendix 2-TB.

23  
24 Hydro Ottawa will provide an update to this response on the completion of the updated  
25 rate design, as this could not be accomplished by the interrogatory filing deadline.

# 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)	- 17,209,490
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Miscellaneous Revenue (RRWF 5. cell F48)	11,699,538
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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	7,440,624,000	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
<b>Billing Data</b>													
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

<b>Street Lighting Adjustment Factors</b>	
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.

<b>CP TEST RESULTS</b>	<b>12 CP</b>
<b>NCP TEST RESULTS</b>	<b>4 NCP</b>
<b>Co-incident Peak</b>	<b>Indicator</b>
1 CP	CP 1
4 CP	CP 4
12 CP	CP 12
<b>Non-co-incident Peak</b>	<b>Indicator</b>
1 NCP	NCP 1
4 NCP	NCP 4
12 NCP	NCP 12

		1	2	3	4	6	7	8	9	11	12	13	
Customer Classes		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
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	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
<b>Assets</b>												
<b>crev</b> Distribution Revenue at Existing Rates	\$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
<b>mi</b> Miscellaneous Revenue (mi)	\$11,699,538	\$7,978,164	\$1,147,372	\$1,841,535	\$406,822	\$242,196	\$61,239	\$805	\$18,686	\$0	\$2,719	\$0
	Miscellaneous Revenue Input equals Output											
<b>Total Revenue at Existing Rates</b>	<b>\$169,934,792</b>	<b>\$94,337,328</b>	<b>\$21,319,070</b>	<b>\$36,448,574</b>	<b>\$10,468,760</b>	<b>\$5,841,815</b>	<b>\$933,507</b>	<b>\$4,707</b>	<b>\$568,180</b>	<b>\$0</b>	<b>\$12,850</b>	<b>\$0</b>
Factor required to recover deficiency (1 + D)	1.1088											
Distribution Revenue at Status Quo Rates	\$175,444,744	\$95,751,490	\$22,365,549	\$38,370,862	\$11,156,263	\$6,208,628	\$967,135	\$4,327	\$609,257	\$0	\$11,232	\$0
Miscellaneous Revenue (mi)	\$11,699,538	\$7,978,164	\$1,147,372	\$1,841,535	\$406,822	\$242,196	\$61,239	\$805	\$18,686	\$0	\$2,719	\$0
<b>Total Revenue at Status Quo Rates</b>	<b>\$187,144,282</b>	<b>\$103,729,655</b>	<b>\$23,512,921</b>	<b>\$40,212,398</b>	<b>\$11,563,085</b>	<b>\$6,450,824</b>	<b>\$1,028,374</b>	<b>\$5,131</b>	<b>\$627,943</b>	<b>\$0</b>	<b>\$13,952</b>	<b>\$0</b>
<b>Expenses</b>												
<b>di</b> Distribution Costs (di)	\$28,347,308	\$13,641,944	\$2,961,437	\$7,947,202	\$2,003,267	\$1,355,022	\$323,382	\$1,371	\$102,649	\$0	\$11,035	\$0
<b>cu</b> Customer Related Costs (cu)	\$17,064,637	\$13,856,084	\$1,705,783	\$1,284,236	\$184,533	\$16,086	\$13,280	\$1,365	\$366	\$0	\$2,903	\$0
<b>ad</b> General and Administration (ad)	\$41,693,619	\$24,868,789	\$4,295,843	\$8,716,096	\$2,074,448	\$1,309,912	\$316,100	\$2,455	\$97,069	\$0	\$12,905	\$0
<b>dep</b> Depreciation and Amortization (dep)	\$40,755,585	\$19,986,126	\$4,475,383	\$11,210,142	\$2,738,787	\$1,829,603	\$380,276	\$1,511	\$119,133	\$0	\$14,625	\$0
<b>INPUT</b> PILS (INPUT)	\$4,983,819	\$2,344,302	\$531,233	\$1,442,158	\$357,713	\$241,668	\$49,191	\$196	\$15,637	\$0	\$1,721	\$0
<b>INT</b> Interest	\$20,002,681	\$9,408,914	\$2,132,118	\$5,788,136	\$1,435,690	\$969,939	\$197,430	\$788	\$62,757	\$0	\$6,908	\$0
<b>Total Expenses</b>	<b>\$152,847,649</b>	<b>\$84,106,159</b>	<b>\$16,101,798</b>	<b>\$36,387,971</b>	<b>\$8,794,438</b>	<b>\$5,722,223</b>	<b>\$1,279,660</b>	<b>\$7,687</b>	<b>\$397,611</b>	<b>\$0</b>	<b>\$50,098</b>	<b>\$0</b>
<b>Direct Allocation</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>NI</b> Allocated Net Income (NI)	\$34,296,633	\$16,132,540	\$3,655,733	\$9,924,349	\$2,461,637	\$1,663,059	\$338,515	\$1,351	\$107,604	\$0	\$11,845	\$0
<b>Revenue Requirement (includes NI)</b>	<b>\$187,144,282</b>	<b>\$100,238,699</b>	<b>\$19,757,531</b>	<b>\$46,312,320</b>	<b>\$11,256,075</b>	<b>\$7,385,288</b>	<b>\$1,618,174</b>	<b>\$9,037</b>	<b>\$505,215</b>	<b>\$0</b>	<b>\$61,943</b>	<b>\$0</b>
	Revenue Requirement Input equals Output											
<b>Rate Base Calculation</b>												
<b>Net Assets</b>												
<b>dp</b> Distribution Plant - Gross	\$784,399,963	\$372,386,150	\$83,886,378	\$224,613,184	\$55,492,636	\$37,455,029	\$7,779,770	\$31,422	\$2,482,472	\$0	\$272,924	\$0
<b>ap</b> General Plant - Gross	\$124,467,177	\$58,971,911	\$13,273,708	\$35,734,151	\$8,830,591	\$5,966,042	\$1,244,499	\$5,044	\$398,117	\$0	\$43,115	\$0
<b>accum dep</b> Accumulated Depreciation	(\$91,977,757)	(\$44,320,057)	(\$10,043,539)	(\$25,820,857)	(\$6,367,257)	(\$4,265,396)	(\$856,511)	(\$3,360)	(\$267,712)	\$0	(\$33,072)	\$0
<b>co</b> Capital Contribution	(\$34,294,412)	(\$18,605,287)	(\$3,693,651)	(\$8,277,262)	(\$1,861,385)	(\$1,258,570)	(\$431,588)	(\$2,181)	(\$151,904)	\$0	(\$12,584)	\$0
<b>Total Net Plant</b>	<b>\$782,594,971</b>	<b>\$368,432,716</b>	<b>\$83,422,899</b>	<b>\$226,249,216</b>	<b>\$56,094,585</b>	<b>\$37,897,104</b>	<b>\$7,736,170</b>	<b>\$30,926</b>	<b>\$2,460,973</b>	<b>\$0</b>	<b>\$270,383</b>	<b>\$0</b>
<b>Directly Allocated Net Fixed Assets</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>COP</b> 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	\$0
OM&A Expenses	\$87,105,564	\$52,366,817	\$8,963,063	\$17,947,534	\$4,262,248	\$2,681,020	\$652,762	\$5,192	\$200,085	\$0	\$26,843	\$0
Directly Allocated Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$981,391,050</b>	<b>\$320,542,080</b>	<b>\$96,192,426</b>	<b>\$371,847,259</b>	<b>\$107,669,873</b>	<b>\$76,971,072</b>	<b>\$5,903,502</b>	<b>\$11,449</b>	<b>\$2,226,546</b>	<b>\$0</b>	<b>\$26,843</b>	<b>\$0</b>
<b>Working Capital</b>	<b>\$139,357,529</b>	<b>\$45,516,975</b>	<b>\$13,659,325</b>	<b>\$52,802,311</b>	<b>\$15,289,122</b>	<b>\$10,929,892</b>	<b>\$838,297</b>	<b>\$1,626</b>	<b>\$316,170</b>	<b>\$0</b>	<b>\$3,812</b>	<b>\$0</b>
<b>Total Rate Base</b>	<b>\$921,952,501</b>	<b>\$413,949,691</b>	<b>\$97,082,224</b>	<b>\$279,051,526</b>	<b>\$71,383,707</b>	<b>\$48,826,996</b>	<b>\$8,574,467</b>	<b>\$32,552</b>	<b>\$2,777,142</b>	<b>\$0</b>	<b>\$274,195</b>	<b>\$0</b>
	Rate Base Input equals Output											
<b>Equity Component of Rate Base</b>	<b>\$368,781,000</b>	<b>\$165,579,877</b>	<b>\$38,832,889</b>	<b>\$111,620,611</b>	<b>\$28,553,483</b>	<b>\$19,530,798</b>	<b>\$3,429,787</b>	<b>\$13,021</b>	<b>\$1,110,857</b>	<b>\$0</b>	<b>\$109,678</b>	<b>\$0</b>
<b>Net Income on Allocated Assets</b>	<b>\$34,296,633</b>	<b>\$19,623,496</b>	<b>\$7,411,124</b>	<b>\$3,824,427</b>	<b>\$2,768,647</b>	<b>\$728,594</b>	<b>(\$251,285)</b>	<b>(\$2,555)</b>	<b>\$230,331</b>	<b>\$0</b>	<b>(\$36,146)</b>	<b>\$0</b>
<b>Net Income on Direct Allocation Assets</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Net Income</b>	<b>\$34,296,633</b>	<b>\$19,623,496</b>	<b>\$7,411,124</b>	<b>\$3,824,427</b>	<b>\$2,768,647</b>	<b>\$728,594</b>	<b>(\$251,285)</b>	<b>(\$2,555)</b>	<b>\$230,331</b>	<b>\$0</b>	<b>(\$36,146)</b>	<b>\$0</b>
<b>RATIOS ANALYSIS</b>												
<b>REVENUE TO EXPENSES STATUS QUO%</b>	<b>100.00%</b>	<b>103.48%</b>	<b>119.01%</b>	<b>86.83%</b>	<b>102.73%</b>	<b>87.35%</b>	<b>63.55%</b>	<b>56.78%</b>	<b>124.29%</b>	<b>0.00%</b>	<b>22.52%</b>	<b>0.00%</b>
<b>EXISTING REVENUE MINUS ALLOCATED COSTS</b>	<b>(\$17,209,490)</b>	<b>(\$5,901,371)</b>	<b>\$1,561,539</b>	<b>(\$9,863,745)</b>	<b>(\$787,315)</b>	<b>(\$1,543,473)</b>	<b>(\$684,667)</b>	<b>(\$4,330)</b>	<b>\$62,965</b>	<b>\$0</b>	<b>(\$49,093)</b>	<b>\$0</b>
	Deficiency Input equals Output											
<b>STATUS QUO REVENUE MINUS ALLOCATED COSTS</b>	<b>\$0</b>	<b>\$3,490,956</b>	<b>\$3,755,390</b>	<b>(\$6,099,922)</b>	<b>\$307,010</b>	<b>(\$934,464)</b>	<b>(\$589,800)</b>	<b>(\$3,906)</b>	<b>\$122,727</b>	<b>\$0</b>	<b>(\$47,991)</b>	<b>\$0</b>
<b>RETURN ON EQUITY COMPONENT OF RATE BASE</b>	<b>9.30%</b>	<b>11.85%</b>	<b>19.08%</b>	<b>3.43%</b>	<b>9.70%</b>	<b>3.73%</b>	<b>-7.33%</b>	<b>-19.62%</b>	<b>20.73%</b>	<b>0.00%</b>	<b>-32.96%</b>	<b>0.00%</b>



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
\$4.54	\$7.07	\$41.02	\$168.91	\$88.29	\$0.21	\$1.86	-\$0.03	0	\$202.43	0
\$7.89	\$11.57	\$70.56	\$296.83	\$216.92	\$0.49	\$3.71	-\$0.02	0	\$326.81	0
\$16.51	\$24.62	\$100.01	\$531.04	\$585.58	\$14.15	\$13.31	\$7.85	0	\$274.75	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)	27,670,798
---	------------

Miscellaneous Revenue (RRWF 5. cell F48)	11,565,131
--	------------

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	7,379,644,000	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
<b>Billing Data</b>													
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

<b>Street Lighting Adjustment Factors</b>	
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.

<b>CP TEST RESULTS</b>	<b>12 CP</b>
<b>NCP TEST RESULTS</b>	<b>4 NCP</b>

<b>Co-incident Peak</b>	<b>Indicator</b>
1 CP	CP 1
4 CP	CP 4
12 CP	CP 12

<b>Non-co-incident Peak</b>	<b>Indicator</b>
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 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	\$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
	Miscellaneous Revenue (mi)	\$11,565,131	\$7,882,182	\$1,121,955	\$1,818,300	\$414,104	\$244,512	\$61,959	\$728	\$18,638	\$0	\$2,753
	<b>Miscellaneous Revenue Input equals Output</b>											
	<b>Total Revenue at Existing Rates</b>	<b>\$169,437,051</b>	<b>\$94,279,402</b>	<b>\$21,117,765</b>	<b>\$36,099,685</b>	<b>\$10,578,428</b>	<b>\$5,838,617</b>	<b>\$934,228</b>	<b>\$4,504</b>	<b>\$571,538</b>	<b>\$0</b>	<b>\$12,884</b>
	Factor required to recover deficiency (1 + D)	1.1753										
dep INPUT INT	Distribution Revenue at Status Quo Rates	\$185,542,719	\$101,540,382	\$23,500,550	\$40,290,011	\$11,945,863	\$6,574,605	\$1,025,154	\$4,438	\$649,809	\$0	\$11,906
	Miscellaneous Revenue (mi)	\$11,565,131	\$7,882,182	\$1,121,955	\$1,818,300	\$414,104	\$244,512	\$61,959	\$728	\$18,638	\$0	\$2,753
	<b>Total Revenue at Status Quo Rates</b>	<b>\$197,107,850</b>	<b>\$109,422,563</b>	<b>\$24,622,505</b>	<b>\$42,108,310</b>	<b>\$12,359,967</b>	<b>\$6,819,117</b>	<b>\$1,087,113</b>	<b>\$5,166</b>	<b>\$668,447</b>	<b>\$0</b>	<b>\$14,660</b>
	<b>Expenses</b>											
	Distribution Costs (di)	\$29,267,179	\$14,070,218	\$3,044,679	\$8,161,616	\$2,123,252	\$1,410,673	\$337,881	\$1,297	\$105,957	\$0	\$11,605
cu ad dep INPUT INT	Customer Related Costs (cu)	\$17,618,384	\$14,319,552	\$1,751,482	\$1,323,589	\$189,173	\$16,413	\$13,547	\$1,292	\$374	\$0	\$2,962
	General and Administration (ad)	\$43,046,577	\$25,672,818	\$4,413,988	\$8,955,951	\$2,193,637	\$1,363,783	\$330,317	\$2,323	\$100,253	\$0	\$13,506
	Depreciation and Amortization (dep)	\$44,057,757	\$21,655,778	\$4,808,150	\$12,017,745	\$3,021,027	\$1,984,437	\$422,081	\$1,530	\$130,915	\$0	\$16,094
	PILs (INPUT)	\$4,835,440	\$2,268,428	\$512,070	\$1,394,190	\$357,491	\$237,348	\$48,784	\$176	\$15,233	\$0	\$1,720
	Interest	\$22,224,279	\$10,425,976	\$2,353,538	\$6,407,869	\$1,643,073	\$1,090,881	\$224,217	\$807	\$70,014	\$0	\$7,905
NI	<b>Total Expenses</b>	<b>\$161,049,616</b>	<b>\$88,412,771</b>	<b>\$16,883,906</b>	<b>\$39,260,960</b>	<b>\$9,527,654</b>	<b>\$6,103,535</b>	<b>\$1,376,827</b>	<b>\$7,425</b>	<b>\$422,746</b>	<b>\$0</b>	<b>\$53,792</b>
	<b>Direct Allocation</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
	Allocated Net Income (NI)	\$36,058,234	\$16,915,838	\$3,818,545	\$10,396,577	\$2,665,838	\$1,769,922	\$363,785	\$1,309	\$113,595	\$0	\$12,825
	<b>Revenue Requirement (includes NI)</b>	<b>\$197,107,850</b>	<b>\$105,328,608</b>	<b>\$20,702,452</b>	<b>\$48,657,537</b>	<b>\$12,193,492</b>	<b>\$7,873,457</b>	<b>\$1,740,613</b>	<b>\$8,734</b>	<b>\$536,341</b>	<b>\$0</b>	<b>\$66,617</b>
	<b>Revenue Requirement Input equals Output</b>											
<b>Rate Base Calculation</b>												
dp gp accum dep co	<b>Net Assets</b>											
	Distribution Plant - Gross	\$871,506,831	\$414,607,213	\$92,753,184	\$247,373,089	\$63,022,135	\$41,787,785	\$8,837,982	\$32,419	\$2,781,240	\$0	\$311,783
	General Plant - Gross	\$143,786,337	\$68,169,947	\$15,239,856	\$40,986,411	\$10,452,182	\$6,939,732	\$1,475,949	\$5,434	\$465,544	\$0	\$51,283
	Accumulated Depreciation	(\$134,744,907)	(\$65,304,057)	(\$14,664,083)	(\$37,358,511)	(\$9,465,102)	(\$6,228,565)	(\$1,275,210)	(\$4,575)	(\$395,793)	\$0	(\$49,010)
	Capital Contribution	(\$53,474,700)	(\$28,994,002)	(\$5,733,714)	(\$12,847,355)	(\$2,981,328)	(\$1,980,713)	(\$677,634)	(\$3,115)	(\$237,049)	\$0	(\$19,791)
COP	<b>Total Net Plant</b>	<b>\$827,073,561</b>	<b>\$388,479,100</b>	<b>\$87,595,243</b>	<b>\$238,153,633</b>	<b>\$61,027,887</b>	<b>\$40,518,239</b>	<b>\$8,361,088</b>	<b>\$30,163</b>	<b>\$2,613,942</b>	<b>\$0</b>	<b>\$294,265</b>
	<b>Directly Allocated Net Fixed Assets</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
	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	\$89,932,139	\$54,062,588	\$9,210,149	\$18,441,156	\$4,506,063	\$2,790,869	\$681,746	\$4,912	\$206,583	\$0	\$28,074
	<b>Subtotal</b>	<b>\$1,001,646,566</b>	<b>\$327,500,099</b>	<b>\$97,705,996</b>	<b>\$376,441,209</b>	<b>\$112,537,626</b>	<b>\$79,037,586</b>	<b>\$6,090,668</b>	<b>\$11,293</b>	<b>\$2,294,014</b>	<b>\$0</b>	<b>\$28,074</b>
COP	Working Capital	\$142,233,812	\$46,505,014	\$13,874,251	\$53,454,652	\$15,980,343	\$11,223,337	\$864,875	\$1,604	\$325,750	\$0	\$3,986
	<b>Total Rate Base</b>	<b>\$969,307,373</b>	<b>\$434,984,115</b>	<b>\$101,469,495</b>	<b>\$291,608,285</b>	<b>\$77,008,230</b>	<b>\$51,741,576</b>	<b>\$9,225,963</b>	<b>\$31,767</b>	<b>\$2,939,692</b>	<b>\$0</b>	<b>\$298,252</b>
<b>Rate Base Input equals Output</b>												
COP	Equity Component of Rate Base	\$387,722,949	\$173,993,646	\$40,587,798	\$116,643,314	\$30,803,292	\$20,696,630	\$3,690,385	\$12,707	\$1,175,877	\$0	\$119,301
	Net Income on Allocated Assets	\$36,058,234	\$21,009,793	\$7,738,599	\$3,847,351	\$2,832,313	\$715,582	(\$289,714)	(\$2,258)	\$245,701	\$0	(\$39,132)
	Net Income on Direct Allocation Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	<b>Net Income</b>	<b>\$36,058,234</b>	<b>\$21,009,793</b>	<b>\$7,738,599</b>	<b>\$3,847,351</b>	<b>\$2,832,313</b>	<b>\$715,582</b>	<b>(\$289,714)</b>	<b>(\$2,258)</b>	<b>\$245,701</b>	<b>\$0</b>	<b>(\$39,132)</b>
	<b>RATIOS ANALYSIS</b>											
COP	REVENUE TO EXPENSES STATUS QUO%	100.00%	103.89%	118.94%	86.54%	101.37%	86.81%	62.46%	59.16%	124.63%	0.00%	22.01%
	EXISTING REVENUE MINUS ALLOCATED COSTS	(\$27,670,798)	(\$11,049,207)	\$415,314	(\$12,557,852)	(\$1,615,064)	(\$2,034,840)	(\$806,385)	(\$4,229)	\$35,197	\$0	(\$53,733)
	<b>Deficiency Input equals Output</b>											
	STATUS QUO REVENUE MINUS ALLOCATED COSTS	\$0	\$4,093,955	\$3,920,054	(\$6,549,227)	\$166,475	(\$1,054,340)	(\$653,499)	(\$3,567)	\$132,106	\$0	(\$51,957)
	RETURN ON EQUITY COMPONENT OF RATE BASE	9.30%	12.08%	19.07%	3.30%	9.19%	3.46%	-7.85%	-17.77%	20.90%	0.00%	-32.80%



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
\$4.66	\$7.29	\$42.48	\$174.27	\$89.95	\$0.21	\$1.92	-\$0.03	0	\$205.86	0
\$8.08	\$11.85	\$72.56	\$304.25	\$220.63	\$0.50	\$3.81	-\$0.02	0	\$332.36	0
\$17.03	\$25.33	\$102.63	\$547.54	\$601.31	\$15.03	\$13.90	\$8.16	0	\$271.11	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)	37,991,282
---	------------

Miscellaneous Revenue (RRWF 5. cell F48)	11,722,041
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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	7,366,004,000	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 -**

			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
<b>Billing Data</b>													
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.

<b>CP TEST RESULTS</b>	<b>12 CP</b>
<b>NCP TEST RESULTS</b>	<b>4 NCP</b>

<b>Co-incident Peak</b>	<b>Indicator</b>
1 CP	CP 1
4 CP	CP 4
12 CP	CP 12

<b>Non-co-incident Peak</b>	<b>Indicator</b>
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
<b>Assets</b>												
<b>crev</b> 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
<b>mi</b> Miscellaneous Revenue (mi)	\$11,722,041	\$7,994,458	\$1,130,429	\$1,833,870	\$428,935	\$248,853	\$63,102	\$679	\$18,902	\$0	\$2,812	\$0
	Miscellaneous Revenue Input equals Output											
<b>Total Revenue at Existing Rates</b>	<b>\$170,034,086</b>	<b>\$95,033,404</b>	<b>\$20,999,589</b>	<b>\$35,912,056</b>	<b>\$10,722,747</b>	<b>\$5,838,395</b>	<b>\$935,371</b>	<b>\$4,329</b>	<b>\$575,251</b>	<b>\$0</b>	<b>\$12,943</b>	<b>\$0</b>
Factor required to recover deficiency (1 + D)	1.2400											
Distribution Revenue at Status Quo Rates	\$196,303,327	\$107,926,310	\$24,637,306	\$42,256,173	\$12,764,092	\$6,930,904	\$1,081,593	\$4,527	\$689,861	\$0	\$12,562	\$0
Miscellaneous Revenue (mi)	\$11,722,041	\$7,994,458	\$1,130,429	\$1,833,870	\$428,935	\$248,853	\$63,102	\$679	\$18,902	\$0	\$2,812	\$0
<b>Total Revenue at Status Quo Rates</b>	<b>\$208,025,368</b>	<b>\$115,920,767</b>	<b>\$25,767,735</b>	<b>\$44,090,043</b>	<b>\$13,193,027</b>	<b>\$7,179,758</b>	<b>\$1,144,695</b>	<b>\$5,205</b>	<b>\$708,762</b>	<b>\$0</b>	<b>\$15,374</b>	<b>\$0</b>
<b>Expenses</b>												
<b>di</b> Distribution Costs (di)	\$30,216,898	\$14,557,668	\$3,119,607	\$8,362,804	\$2,244,675	\$1,459,388	\$350,159	\$1,220	\$109,240	\$0	\$12,137	\$0
<b>cu</b> Customer Related Costs (cu)	\$18,190,101	\$14,797,938	\$1,798,612	\$1,364,399	\$193,961	\$16,750	\$13,822	\$1,214	\$381	\$0	\$3,023	\$0
<b>ad</b> General and Administration (ad)	\$44,443,438	\$26,544,202	\$4,525,559	\$9,185,651	\$2,314,748	\$1,411,277	\$342,374	\$2,184	\$103,370	\$0	\$14,073	\$0
<b>dep</b> Depreciation and Amortization (dep)	\$46,943,424	\$23,130,709	\$5,080,505	\$12,708,889	\$3,291,729	\$2,117,586	\$455,057	\$1,496	\$140,002	\$0	\$17,449	\$0
<b>INPUT</b> PILS (INPUT)	\$6,154,952	\$2,885,603	\$645,762	\$1,766,538	\$468,179	\$304,297	\$62,772	\$203	\$19,356	\$0	\$2,242	\$0
<b>INT</b> Interest	\$24,165,341	\$11,329,346	\$2,535,365	\$6,935,714	\$1,838,147	\$1,194,719	\$246,453	\$799	\$75,996	\$0	\$8,804	\$0
<b>Total Expenses</b>	<b>\$170,114,154</b>	<b>\$93,245,466</b>	<b>\$17,705,409</b>	<b>\$40,323,996</b>	<b>\$10,351,439</b>	<b>\$6,504,017</b>	<b>\$1,470,636</b>	<b>\$7,117</b>	<b>\$448,347</b>	<b>\$0</b>	<b>\$57,729</b>	<b>\$0</b>
<b>Direct Allocation</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>NI</b> Allocated Net Income (NI)	\$37,911,214	\$17,773,771	\$3,977,547	\$10,880,927	\$2,883,732	\$1,874,305	\$386,642	\$1,253	\$119,225	\$0	\$13,812	\$0
<b>Revenue Requirement (includes NI)</b>	<b>\$208,025,368</b>	<b>\$111,019,237</b>	<b>\$21,682,955</b>	<b>\$51,204,923</b>	<b>\$13,235,171</b>	<b>\$8,378,322</b>	<b>\$1,857,278</b>	<b>\$8,370</b>	<b>\$567,572</b>	<b>\$0</b>	<b>\$71,540</b>	<b>\$0</b>
	Revenue Requirement Input equals Output											
<b>Rate Base Calculation</b>												
<b>Net Assets</b>												
<b>dp</b> Distribution Plant - Gross	\$963,390,694	\$459,972,516	\$101,744,332	\$270,960,613	\$71,183,192	\$46,192,937	\$9,871,753	\$32,839	\$3,080,495	\$0	\$352,017	\$0
<b>ap</b> General Plant - Gross	\$160,744,133	\$76,374,351	\$16,885,615	\$45,475,637	\$11,968,773	\$7,779,478	\$1,672,984	\$5,585	\$523,044	\$0	\$58,666	\$0
<b>accum dep</b> Accumulated Depreciation	(\$181,131,605)	(\$88,297,799)	(\$19,570,719)	(\$49,654,054)	(\$12,937,323)	(\$8,334,217)	(\$1,730,201)	(\$5,661)	(\$535,109)	\$0	(\$66,522)	\$0
<b>co</b> Capital Contribution	(\$71,622,683)	(\$38,916,198)	(\$7,623,803)	(\$17,081,626)	(\$4,087,405)	(\$2,658,101)	(\$907,537)	(\$3,801)	(\$317,574)	\$0	(\$26,639)	\$0
<b>Total Net Plant</b>	<b>\$871,380,539</b>	<b>\$409,132,870</b>	<b>\$91,435,425</b>	<b>\$249,700,570</b>	<b>\$66,127,237</b>	<b>\$42,980,096</b>	<b>\$8,907,000</b>	<b>\$28,962</b>	<b>\$2,750,856</b>	<b>\$0</b>	<b>\$317,522</b>	<b>\$0</b>
<b>Directly Allocated Net Fixed Assets</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>COP</b> 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	\$92,850,437	\$55,899,808	\$9,443,777	\$18,912,855	\$4,753,384	\$2,887,416	\$706,354	\$4,618	\$212,992	\$0	\$29,233	\$0
Directly Allocated Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$1,040,409,211</b>	<b>\$341,291,692</b>	<b>\$100,690,251</b>	<b>\$387,804,781</b>	<b>\$119,617,532</b>	<b>\$82,228,654</b>	<b>\$6,349,191</b>	<b>\$11,138</b>	<b>\$2,386,739</b>	<b>\$0</b>	<b>\$29,233</b>	<b>\$0</b>
<b>Working Capital</b>	<b>\$147,738,108</b>	<b>\$48,463,420</b>	<b>\$14,298,016</b>	<b>\$55,068,279</b>	<b>\$16,985,690</b>	<b>\$11,676,469</b>	<b>\$901,585</b>	<b>\$1,582</b>	<b>\$338,917</b>	<b>\$0</b>	<b>\$4,151</b>	<b>\$0</b>
<b>Total Rate Base</b>	<b>\$1,019,118,647</b>	<b>\$457,596,291</b>	<b>\$105,733,441</b>	<b>\$304,768,849</b>	<b>\$83,112,927</b>	<b>\$54,656,565</b>	<b>\$9,808,585</b>	<b>\$30,544</b>	<b>\$3,089,773</b>	<b>\$0</b>	<b>\$321,673</b>	<b>\$0</b>
	Rate Base Input equals Output											
<b>Equity Component of Rate Base</b>	<b>\$407,647,459</b>	<b>\$183,038,516</b>	<b>\$42,293,376</b>	<b>\$121,907,540</b>	<b>\$33,245,171</b>	<b>\$21,862,626</b>	<b>\$3,923,434</b>	<b>\$12,218</b>	<b>\$1,235,909</b>	<b>\$0</b>	<b>\$128,669</b>	<b>\$0</b>
<b>Net Income on Allocated Assets</b>	<b>\$37,911,214</b>	<b>\$22,675,301</b>	<b>\$8,062,326</b>	<b>\$3,766,048</b>	<b>\$2,841,589</b>	<b>\$675,741</b>	<b>(\$325,941)</b>	<b>(\$1,912)</b>	<b>\$260,416</b>	<b>\$0</b>	<b>(\$42,355)</b>	<b>\$0</b>
<b>Net Income on Direct Allocation Assets</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Net Income</b>	<b>\$37,911,214</b>	<b>\$22,675,301</b>	<b>\$8,062,326</b>	<b>\$3,766,048</b>	<b>\$2,841,589</b>	<b>\$675,741</b>	<b>(\$325,941)</b>	<b>(\$1,912)</b>	<b>\$260,416</b>	<b>\$0</b>	<b>(\$42,355)</b>	<b>\$0</b>
<b>RATIOS ANALYSIS</b>												
<b>REVENUE TO EXPENSES STATUS QUO%</b>	<b>100.00%</b>	<b>104.42%</b>	<b>118.84%</b>	<b>86.11%</b>	<b>99.68%</b>	<b>85.69%</b>	<b>61.63%</b>	<b>62.19%</b>	<b>124.88%</b>	<b>0.00%</b>	<b>21.49%</b>	<b>0.00%</b>
<b>EXISTING REVENUE MINUS ALLOCATED COSTS</b>	<b>(\$37,991,282)</b>	<b>(\$15,985,833)</b>	<b>(\$683,366)</b>	<b>(\$15,292,867)</b>	<b>(\$2,512,423)</b>	<b>(\$2,539,927)</b>	<b>(\$921,907)</b>	<b>(\$4,041)</b>	<b>\$7,680</b>	<b>\$0</b>	<b>(\$58,597)</b>	<b>\$0</b>
	Deficiency Input equals Output											
<b>STATUS QUO REVENUE MINUS ALLOCATED COSTS</b>	<b>\$0</b>	<b>\$4,901,530</b>	<b>\$4,084,780</b>	<b>(\$7,114,880)</b>	<b>(\$42,143)</b>	<b>(\$1,198,564)</b>	<b>(\$712,582)</b>	<b>(\$3,165)</b>	<b>\$141,191</b>	<b>\$0</b>	<b>(\$56,166)</b>	<b>\$0</b>
<b>RETURN ON EQUITY COMPONENT OF RATE BASE</b>	<b>9.30%</b>	<b>12.39%</b>	<b>19.06%</b>	<b>3.09%</b>	<b>8.55%</b>	<b>3.09%</b>	<b>-8.31%</b>	<b>-15.65%</b>	<b>21.07%</b>	<b>0.00%</b>	<b>-32.92%</b>	<b>0.00%</b>





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
\$4.77	\$7.47	\$43.64	\$177.02	\$87.28	\$0.21	\$1.95	-\$0.03	0	\$210.52	0
\$8.24	\$12.09	\$74.19	\$308.69	\$219.65	\$0.51	\$3.87	-\$0.02	0	\$338.74	0
\$17.53	\$26.02	\$105.24	\$565.81	\$632.27	\$15.81	\$14.45	\$8.48	0	\$276.33	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
-------------------------------	---------------

Total kW from Load Forecast	9,962,801
-----------------------------	-----------

Deficiency/sufficiency (RRWF 8. cell F51)	47,020,791
---	------------

Miscellaneous Revenue (RRWF 5. cell F48)	11,801,959
--	------------

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 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
<b>Billing Data</b>													
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

<b>Street Lighting Adjustment Factors</b>	
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.

<b>CP TEST RESULTS</b>	<b>12 CP</b>
<b>NCP TEST RESULTS</b>	<b>4 NCP</b>

<b>Co-incident Peak</b>	<b>Indicator</b>
1 CP	CP 1
4 CP	CP 4
12 CP	CP 12

<b>Non-co-incident Peak</b>	<b>Indicator</b>
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)	\$11,801,959	\$8,060,517	\$1,131,665	\$1,833,759	\$439,879	\$250,086	\$63,601	\$626	\$18,986	\$0	\$2,841
	<b>Total Revenue at Existing Rates</b>	<b>\$170,672,303</b>	<b>\$95,746,294</b>	<b>\$20,905,538</b>	<b>\$35,785,384</b>	<b>\$10,871,997</b>	<b>\$5,831,313</b>	<b>\$935,870</b>	<b>\$4,151</b>	<b>\$578,785</b>	<b>\$0</b>	<b>\$12,971</b>
	Factor required to recover deficiency (1 + D)	1.2960										
	Distribution Revenue at Status Quo Rates	\$205,891,134	\$113,638,101	\$25,626,339	\$44,000,273	\$13,519,708	\$7,233,100	\$1,130,433	\$4,568	\$725,483	\$0	\$13,129
di cu ad dep INPUT INT	Miscellaneous Revenue (mi)	\$11,801,959	\$8,060,517	\$1,131,665	\$1,833,759	\$439,879	\$250,086	\$63,601	\$626	\$18,986	\$0	\$2,841
	<b>Total Revenue at Status Quo Rates</b>	<b>\$217,693,094</b>	<b>\$121,698,618</b>	<b>\$26,758,004</b>	<b>\$45,834,033</b>	<b>\$13,959,586</b>	<b>\$7,483,186</b>	<b>\$1,194,035</b>	<b>\$5,194</b>	<b>\$744,468</b>	<b>\$0</b>	<b>\$15,970</b>
	<b>Expenses</b>											
	Distribution Costs (di)	\$31,197,437	\$15,053,153	\$3,198,356	\$8,580,892	\$2,370,795	\$1,505,363	\$362,485	\$1,139	\$112,610	\$0	\$12,644
	Customer Related Costs (cu)	\$18,780,370	\$15,300,916	\$1,849,125	\$1,395,431	\$199,058	\$17,121	\$14,105	\$1,134	\$389	\$0	\$3,090
NI	General and Administration (ad)	\$45,885,628	\$27,445,981	\$4,643,787	\$9,421,758	\$2,440,360	\$1,455,974	\$354,520	\$2,040	\$106,585	\$0	\$14,622
	Depreciation and Amortization (dep)	\$48,823,718	\$24,153,670	\$5,249,410	\$13,093,170	\$3,490,100	\$2,193,751	\$477,711	\$1,419	\$146,103	\$0	\$18,385
	PILs (INPUT)	\$8,540,033	\$4,004,400	\$888,594	\$2,438,812	\$666,643	\$423,280	\$88,015	\$256	\$26,857	\$0	\$3,175
	Interest	\$25,416,563	\$11,918,702	\$2,644,813	\$7,258,882	\$1,984,198	\$1,259,850	\$261,989	\$762	\$79,935	\$0	\$9,449
	<b>Total Expenses</b>	<b>\$179,645,748</b>	<b>\$97,876,823</b>	<b>\$19,474,085</b>	<b>\$42,188,945</b>	<b>\$11,151,154</b>	<b>\$6,895,338</b>	<b>\$1,558,806</b>	<b>\$6,750</b>	<b>\$472,493</b>	<b>\$0</b>	<b>\$61,363</b>
NI	<b>Direct Allocation</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
	Allocated Net Income (NI)	\$39,047,346	\$18,309,205	\$4,062,894	\$11,150,909	\$3,048,075	\$1,935,349	\$402,430	\$1,171	\$122,799	\$0	\$14,515
	<b>Revenue Requirement (includes NI)</b>	<b>\$217,693,094</b>	<b>\$116,186,027</b>	<b>\$22,536,979</b>	<b>\$53,339,855</b>	<b>\$14,199,229</b>	<b>\$8,790,688</b>	<b>\$1,961,236</b>	<b>\$7,921</b>	<b>\$595,282</b>	<b>\$0</b>	<b>\$75,878</b>
	<b>Revenue Requirement Input equals Output</b>											
	<b>Rate Base Calculation</b>											
dp gp accum co	<b>Net Assets</b>											
	Distribution Plant - Gross	\$1,052,537,668	\$504,503,783	\$110,414,720	\$293,334,912	\$79,326,053	\$50,276,100	\$10,883,926	\$32,693	\$3,374,465	\$0	\$391,017
	General Plant - Gross	\$171,441,496	\$81,667,483	\$17,866,950	\$48,135,385	\$13,048,943	\$8,285,647	\$1,806,858	\$5,446	\$561,040	\$0	\$63,743
	Accumulated Depreciation	(\$230,395,232)	(\$112,869,871)	(\$24,734,307)	(\$62,503,149)	(\$16,750,249)	(\$10,542,532)	(\$2,219,195)	(\$6,576)	(\$684,013)	\$0	(\$85,340)
	Capital Contribution	(\$89,416,864)	(\$48,668,996)	(\$9,453,492)	(\$21,192,503)	(\$5,219,683)	(\$3,315,942)	(\$1,132,114)	(\$4,292)	(\$396,536)	\$0	(\$33,306)
COP	<b>Total Net Plant</b>	<b>\$904,167,068</b>	<b>\$424,632,400</b>	<b>\$94,093,871</b>	<b>\$257,774,644</b>	<b>\$70,405,063</b>	<b>\$44,703,274</b>	<b>\$9,339,475</b>	<b>\$27,270</b>	<b>\$2,854,956</b>	<b>\$0</b>	<b>\$336,114</b>
	<b>Directly Allocated Net Fixed Assets</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
	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	\$95,863,434	\$57,800,051	\$9,691,269	\$19,398,082	\$5,010,212	\$2,978,458	\$731,111	\$4,313	\$219,585	\$0	\$30,355
	Directly Allocated Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
COP	<b>Subtotal</b>	<b>\$1,024,597,022</b>	<b>\$337,146,901</b>	<b>\$98,501,886</b>	<b>\$379,158,183</b>	<b>\$120,352,792</b>	<b>\$80,797,107</b>	<b>\$6,264,615</b>	<b>\$10,366</b>	<b>\$2,334,817</b>	<b>\$0</b>	<b>\$30,355</b>
	Working Capital	\$145,492,777	\$47,874,860	\$13,987,268	\$53,840,462	\$17,090,097	\$11,473,189	\$889,575	\$1,472	\$331,544	\$0	\$4,310
	<b>Total Rate Base</b>	<b>\$1,049,659,845</b>	<b>\$472,507,259</b>	<b>\$108,081,139</b>	<b>\$311,615,106</b>	<b>\$87,495,160</b>	<b>\$56,176,463</b>	<b>\$10,229,051</b>	<b>\$28,742</b>	<b>\$3,186,500</b>	<b>\$0</b>	<b>\$340,424</b>
	<b>Rate Base Input equals Output</b>											
	Equity Component of Rate Base	\$419,863,938	\$189,002,904	\$43,232,456	\$124,646,043	\$34,998,064	\$22,470,585	\$4,091,620	\$11,497	\$1,274,600	\$0	\$136,170
	Net Income on Allocated Assets	\$39,047,346	\$23,821,795	\$8,283,918	\$3,645,088	\$2,808,432	\$627,848	(\$364,771)	(\$1,556)	\$271,985	\$0	(\$45,394)
	Net Income on Direct Allocation Assets	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	<b>Net Income</b>	<b>\$39,047,346</b>	<b>\$23,821,795</b>	<b>\$8,283,918</b>	<b>\$3,645,088</b>	<b>\$2,808,432</b>	<b>\$627,848</b>	<b>(\$364,771)</b>	<b>(\$1,556)</b>	<b>\$271,985</b>	<b>\$0</b>	<b>(\$45,394)</b>
	<b>RATIOS ANALYSIS</b>											
	REVENUE TO EXPENSES STATUS QUO%	100.00%	104.74%	118.73%	85.93%	98.31%	85.13%	60.88%	65.58%	125.06%	0.00%	21.05%
	EXISTING REVENUE MINUS ALLOCATED COSTS	(\$47,020,791)	(\$20,439,734)	(\$1,631,441)	(\$17,554,471)	(\$3,327,232)	(\$2,959,375)	(\$1,025,366)	(\$3,770)	(\$16,497)	\$0	(\$62,907)
	<b>Deficiency Input equals Output</b>											
	STATUS QUO REVENUE MINUS ALLOCATED COSTS	\$0	\$5,512,590	\$4,221,024	(\$7,505,822)	(\$239,842)	(\$1,307,501)	(\$767,201)	(\$2,727)	\$149,187	\$0	(\$59,909)
	RETURN ON EQUITY COMPONENT OF RATE BASE	9.30%	12.60%	19.16%	2.92%	8.02%	2.79%	-8.92%	-13.53%	21.34%	0.00%	-33.34%



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
\$4.89	\$7.67	\$43.87	\$181.16	\$90.20	\$0.22	\$1.98	-\$0.03	0	\$215.75	0
\$8.41	\$12.33	\$74.45	\$314.30	\$224.02	\$0.52	\$3.94	-\$0.02	0	\$345.42	0
\$18.00	\$26.66	\$106.35	\$584.65	\$662.73	\$16.51	\$14.94	\$8.75	0	\$277.62	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)	- 53,049,194
---	--------------

Miscellaneous Revenue (RRWF 5. cell F48)	11,897,833
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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
<b>Billing Data</b>													
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.

<b>CP TEST RESULTS</b>	<b>12 CP</b>
<b>NCP TEST RESULTS</b>	<b>4 NCP</b>
<b>Co-incident Peak</b>	<b>Indicator</b>
1 CP	CP 1
4 CP	CP 4
12 CP	CP 12
<b>Non-co-incident Peak</b>	<b>Indicator</b>
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		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	-			

**Sheet 01 Revenue to Cost Summary Worksheet -**

**Please see the first tab in this workbook for detailed instructions**

### Class Revenue, Cost Analysis, and Return on Rate Base

Rate Base Assets		Rate Base										11		12		13	
		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				
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)	\$11,897,833	\$8,130,334	\$1,134,409	\$1,842,673	\$452,193	\$251,478	\$64,177	\$574	\$19,140	\$0	\$2,856	\$0				
	Miscellaneous Revenue Input equals Output																
Total Revenue at Existing Rates		\$171,256,003	\$96,318,565	\$20,836,890	\$35,707,890	\$11,034,606	\$5,821,951	\$936,446	\$3,973	\$582,695	\$0	\$12,986	\$0				
Factor required to recover deficiency (1 + D)		1.3320															
Distribution Revenue at Status Quo Rates		\$212,407,364	\$117,545,462	\$26,261,296	\$45,138,705	\$14,105,222	\$7,424,844	\$1,162,640	\$4,531	\$751,159	\$0	\$13,503	\$0				
Miscellaneous Revenue (mi)		\$11,897,833	\$8,130,334	\$1,134,409	\$1,842,673	\$452,193	\$251,478	\$64,177	\$574	\$19,140	\$0	\$2,856	\$0				
Total Revenue at Status Quo Rates		\$224,305,197	\$125,675,796	\$27,395,705	\$46,981,378	\$14,557,415	\$7,676,322	\$1,226,818	\$5,105	\$770,299	\$0	\$16,359	\$0				
Expenses																	
di	Distribution Costs (di)	\$32,209,794	\$15,548,191	\$3,282,129	\$8,817,893	\$2,505,515	\$1,550,665	\$374,977	\$1,055	\$116,308	\$0	\$13,061	\$0				
cu	Customer Related Costs (cu)	\$19,389,793	\$15,801,247	\$1,897,472	\$1,450,608	\$204,010	\$17,459	\$14,399	\$1,050	\$397	\$0	\$3,151	\$0				
ad	General and Administration (ad)	\$47,374,616	\$29,340,366	\$4,764,780	\$9,700,408	\$2,574,888	\$1,500,527	\$366,628	\$1,889	\$110,059	\$0	\$15,071	\$0				
dep	Depreciation and Amortization (dep)	\$50,160,773	\$24,877,446	\$5,360,530	\$13,372,645	\$3,648,798	\$2,236,222	\$494,221	\$1,317	\$239,640	\$0	\$18,974	\$0				
INPUT	PfLs (INPUT)	\$7,654,566	\$3,574,666	\$790,192	\$2,187,185	\$615,328	\$381,021	\$79,124	\$205	\$23,995	\$0	\$2,851	\$0				
INT	Interest	\$26,843,574	\$12,535,892	\$2,771,101	\$7,670,174	\$2,157,874	\$1,336,193	\$277,478	\$718	\$84,147	\$0	\$9,997	\$0				
Total Expenses		\$183,633,115	\$100,677,807	\$18,866,203	\$43,198,914	\$11,706,412	\$7,022,088	\$1,606,827	\$6,233	\$485,528	\$0	\$63,105	\$0				
Direct Allocation		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
Allocated Net Income (NI)		\$40,672,081	\$18,993,775	\$4,198,637	\$11,621,476	\$3,269,506	\$2,024,535	\$420,421	\$1,088	\$127,496	\$0	\$15,147	\$0				
Revenue Requirement (includes NI)		\$224,305,197	\$119,671,582	\$23,064,840	\$54,820,390	\$14,975,918	\$9,046,623	\$2,027,248	\$7,321	\$613,024	\$0	\$78,252	\$0				
Revenue Requirement Input equals Output																	
Rate Base Calculation																	
Net Assets																	
dp	Distribution Plant - Gross	\$1,148,407,757	\$550,352,775	\$119,691,587	\$318,973,208	\$88,591,019	\$54,744,314	\$11,913,980	\$32,001	\$3,681,456	\$0	\$427,417	\$0				
gp	General Plant - Gross	\$185,763,614	\$88,350,951	\$19,215,412	\$52,054,205	\$14,507,535	\$8,983,389	\$1,968,413	\$5,305	\$609,210	\$0	\$69,193	\$0				
accum dep	Accumulated Depreciation	(\$281,791,870)	(\$138,181,971)	(\$30,048,726)	(\$76,132,318)	(\$20,911,133)	(\$12,835,420)	(\$2,731,028)	(\$7,255)	(\$639,398)	\$0	(\$104,620)	\$0				
co	Capital Contribution	(\$107,316,506)	(\$59,427,494)	(\$11,279,844)	(\$25,338,418)	(\$6,416,600)	(\$3,973,640)	(\$4,621)	(\$1,359,744)	(\$476,116)	\$0	(\$40,022)	\$0				
Total Net Plant		\$845,082,995	\$442,094,262	\$97,578,429	\$269,556,677	\$75,770,821	\$46,918,636	\$9,791,621	\$25,430	\$2,975,152	\$0	\$351,967	\$0				
Directly Allocated Net Fixed Assets		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
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				
O&M Expenses		\$98,974,203	\$59,689,803	\$9,944,380	\$19,968,910	\$5,284,412	\$3,068,651	\$756,004	\$3,994	\$228,784	\$0	\$31,283	\$0				
Directly Allocated Expenses		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
Subtotal		\$1,044,172,704	\$344,315,737	\$99,754,434	\$383,882,368	\$125,359,976	\$82,027,093	\$6,405,198	\$10,155	\$2,388,459	\$0	\$31,283	\$0				
Working Capital		\$1,048,272,524	\$44,892,835	\$14,165,130	\$54,511,296	\$17,801,117	\$11,647,847	\$909,538	\$1,442	\$338,877	\$0	\$4,442	\$0				
Total Rate Base		\$1,093,335,519	\$490,987,096	\$111,743,559	\$324,067,973	\$93,571,938	\$58,566,484	\$10,701,159	\$26,872	\$3,314,029	\$0	\$356,410	\$0				
Rate Base Input equals Output																	
Equity Component of Rate Base		\$437,334,207	\$196,394,839	\$44,697,423	\$129,627,189	\$37,428,775	\$23,426,593	\$4,280,464	\$10,749	\$1,325,612	\$0	\$142,564	\$0				
Net Income on Allocated Assets		\$40,672,081	\$24,997,989	\$8,529,502	\$3,782,464	\$2,851,003	\$654,234	(\$380,009)	(\$1,128)	\$284,771	\$0	(\$46,746)	\$0				
Net Income on Direct Allocation Assets		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
Net Income		\$40,672,081	\$24,997,989	\$8,529,502	\$3,782,464	\$2,851,003	\$654,234	(\$380,009)	(\$1,128)	\$284,771	\$0	(\$46,746)	\$0				
RATIOS ANALYSIS																	
REVENUE TO EXPENSES STATUS QUO%		100.00%	105.02%	118.78%	85.70%	97.21%	84.85%	60.52%	69.73%	125.66%	0.00%	20.91%	0.00%				
EXISTING REVENUE MINUS ALLOCATED COSTS		(\$53,049,194)	(\$23,353,017)	(\$2,227,950)	(\$19,112,500)	(\$3,941,313)	(\$3,224,671)	(\$1,090,802)	(\$3,347)	(\$30,328)	\$0	(\$65,266)	\$0				
Deficiency Input equals Output																	
STATUS QUO REVENUE MINUS ALLOCATED COSTS		(\$0)	\$6,004,214	\$4,330,865	(\$7,839,012)	(\$418,503)	(\$1,370,300)	(\$800,430)	(\$2,216)	\$157,275	\$0	(\$61,893)	\$0				
RETURN ON EQUITY COMPONENT OF RATE BASE		9.30%	12.73%	19.08%	2.92%	7.62%	2.79%	-8.88%	-10.50%	21.48%	0.00%	-32.79%	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
\$4.97	\$7.78	\$45.79	\$182.07	\$87.33	\$0.22	\$2.00	-\$0.03	0	\$218.57	0
\$8.54	\$12.47	\$77.10	\$316.27	\$222.22	\$0.52	\$4.01	-\$0.02	0	\$349.18	0
\$18.26	\$26.99	\$109.38	\$597.72	\$674.31	\$16.95	\$15.20	\$8.85	0	\$279.43	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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers



Version 5.00

Utility Name	Hydro Ottawa Limited
Service Territory	
Assigned EB Number	EB-2015-0004 (Year 2016)
Name and Title	April Barrie; Manager, Rates and Revenue
Phone Number	613-738-5499, ext 106
Email Address	RegulatoryAffairs@HydroOttawa.com

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

[1. Info](#)

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[3. Data Input Sheet](#)

[4. Rate Base](#)

[5. Utility Income](#)

[6. Taxes PILs](#)

[7. Cost of Capital](#)

[8. Rev Def Suff](#)

[9. Rev Reqt](#)

[10. Tracking Sheet](#)

## Notes:

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Data Input <sup>(1)</sup>

	Initial Application	(2)	Adjustments		Application Update	(6)	Adjustments		Per Board Decision
<b>1</b>	<b>Rate Base</b>								
	Gross Fixed Assets (average)	\$877,318,904		(\$4,088,687)	#	\$ 873,230,218	###		\$873,230,218
	Accumulated Depreciation (average)	(\$93,370,568)	(5)	\$2,735,323	#	(\$90,635,246)	###		(\$90,635,246)
	<b>Allowance for Working Capital:</b>								
	Controllable Expenses	\$87,105,564			\$	87,105,564			\$87,105,564
	Cost of Power	\$894,285,487			\$	894,285,487			\$894,285,487
	Working Capital Rate (%)	14.20%	(9)		14.20%	(9)			14.20% (9)
<b>2</b>	<b>Utility Income</b>								
	Operating Revenues:								
	Distribution Revenue at Current Rates	\$158,233,086	(10)	\$2,168	\$158,235,254	###			
	Distribution Revenue at Proposed Rates	\$175,569,610	(11)	(\$124,866)	\$175,444,744				
	<b>Other Revenue:</b>								
	Specific Service Charges	\$5,910,525		\$0	\$5,910,525				
	Late Payment Charges	\$898,752		\$0	\$898,752				
	Other Distribution Revenue	\$1,410,557		\$0	\$1,410,557				
	Other Income and Deductions	\$3,479,704		\$0	\$3,479,704				
	Total Revenue Offsets	\$11,699,538	(7)	\$0	\$11,699,538				
	<b>Operating Expenses:</b>								
	OM+A Expenses	\$85,017,720			\$ 85,017,720				\$85,017,720
	Depreciation/Amortization	\$40,826,114		(\$70,529)	#	\$ 40,755,585			\$40,755,585
	Property taxes	\$2,087,844			\$ 2,087,844				\$2,087,844
	Other expenses								
<b>3</b>	<b>Taxes/PILs</b>								
	Taxable Income:								
	Adjustments required to arrive at taxable income	(\$19,597,073)	(3)		(\$19,841,511)	###			
	<b>Utility Income Taxes and Rates:</b>								
	Income taxes (not grossed up)	\$3,656,225			\$3,663,107	###			
	Income taxes (grossed up)	\$4,958,448			\$4,983,819				
	Federal tax (%)	15.00%			15.00%				
	Provincial tax (%)	11.26%			11.50%				
	Income Tax Credits	(\$217,500)			(\$167,500)				
<b>4</b>	<b>Capitalization/Cost of Capital</b>								
	<b>Capital Structure:</b>								
	Long-term debt Capitalization Ratio (%)	56.0%			56.0%				
	Short-term debt Capitalization Ratio (%)	4.0%	(8)		4.0%	(8)			(8)
	Common Equity Capitalization Ratio (%)	40.0%			40.0%				
	Preferred Shares Capitalization Ratio (%)								
		100.0%			100.0%				
	<b>Cost of Capital</b>								
	Long-term debt Cost Rate (%)	3.72%			3.72%				
	Short-term debt Cost Rate (%)	2.16%			2.16%				
	Common Equity Cost Rate (%)	9.30%			9.30%				
	Preferred Shares Cost Rate (%)								

### Notes:

- General** Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.
- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)
- (2) Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I
- (3) Net of addbacks and deductions to arrive at taxable income.
- (4) Average of Gross Fixed Assets at beginning and end of the Test Year
- (5) Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
- (6) Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
- (7) Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
- (8) 4.0% unless an Applicant has proposed or been approved for another amount.
- (9) Starting with 2013, default Working Capital Allowance factor is 13% (of Cost of Power plus controllable expenses). Alternatively, WCA factor based on lead-lag study or approved WCA factor for another distributor, with supporting rationale.
- (10) Revenue at current rates minus Transformer Ownership Allowance
- (11) Distribution Revenue not including Transformer Ownership Allowance, Total Revenue Requirement is \$176,694,250
- (12) Gross Fixed Assets (average) and Accumulated Depreciation (average) - Updated for 2014 Actuals and flow through 2016 through 2020
- (13) Correction - To include Sentinel Light Variable Charge
- (14) PILs - Update per (12); Ontario Apprenticeship Tax Credit program legislative changes; Ontario Small Business Deduction Correction; Charitable Contributions



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Rate Base and Working Capital

Line No.	Rate Base Particulars		Initial Application	Adjustments	Application Update	Adjustments	Per Board Decision
1	Gross Fixed Assets (average)	(3)	\$877,318,904	(\$4,088,687)	\$873,230,218	\$ -	\$873,230,218
2	Accumulated Depreciation (average)	(3)	(\$93,370,568)	\$2,735,323	(\$90,635,246)	\$ -	(\$90,635,246)
3	Net Fixed Assets (average)	(3)	\$783,948,336	(\$1,353,364)	\$782,594,972	\$ -	\$782,594,972
4	Allowance for Working Capital	(1)	\$139,357,529	\$ -	\$139,357,529	\$ -	\$139,357,529
5	<b>Total Rate Base</b>		<b>\$923,305,865</b>	<b>(\$1,353,364)</b>	<b>\$921,952,501</b>	<b>\$ -</b>	<b>\$921,952,501</b>

### (1) Allowance for Working Capital - Derivation

6	Controllable Expenses		\$87,105,564	\$ -	\$87,105,564	\$ -	\$87,105,564
7	Cost of Power		\$894,285,487	\$ -	\$894,285,487	\$ -	\$894,285,487
8	Working Capital Base		\$981,391,050	\$ -	\$981,391,050	\$ -	\$981,391,050
9	Working Capital Rate %	(2)	14.20%	0.00%	14.20%	0.00%	14.20%
10	Working Capital Allowance		\$139,357,529	\$ -	\$139,357,529	\$ -	\$139,357,529

#### Notes

(2)

Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2014 cost of service applications is 13%.

(3)

Average of opening and closing balances for the year.



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Utility Income

Line No.	Particulars	Initial Application	Adjustments	Application Update	Adjustments	Per Board Decision
	<b>Operating Revenues:</b>					
1	Distribution Revenue (at Proposed Rates)	\$175,569,610	(\$124,866)	\$175,444,744	\$ -	\$175,444,744
2	Other Revenue (1)	\$11,699,538	\$ -	\$11,699,538	\$ -	\$11,699,538
3	Total Operating Revenues	\$187,269,148	(\$124,866)	\$187,144,282	\$ -	\$187,144,282
	<b>Operating Expenses:</b>					
4	OM+A Expenses	\$85,017,720	\$ -	\$85,017,720	\$ -	\$85,017,720
5	Depreciation/Amortization	\$40,826,114	(\$70,529)	\$40,755,585	\$ -	\$40,755,585
6	Property taxes	\$2,087,844	\$ -	\$2,087,844	\$ -	\$2,087,844
7	Capital taxes	\$ -	\$ -	\$ -	\$ -	\$ -
8	Other expense	\$ -	\$ -	\$ -	\$ -	\$ -
9	Subtotal (lines 4 to 8)	\$127,931,678	(\$70,529)	\$127,861,149	\$ -	\$127,861,149
10	Deemed Interest Expense	\$20,032,044	(\$29,363)	\$20,002,681	\$ -	\$20,002,681
11	Total Expenses (lines 9 to 10)	\$147,963,722	(\$99,892)	\$147,863,830	\$ -	\$147,863,830
12	Utility income before income taxes	\$39,305,426	(\$24,975)	\$39,280,452	\$ -	\$39,280,452
13	Income taxes (grossed-up)	\$4,958,448	\$25,371	\$4,983,819	\$ -	\$4,983,819
14	Utility net income	\$34,346,978	(\$50,346)	\$34,296,633	\$ -	\$34,296,633

## Notes

### Other Revenues / Revenue Offsets

(1)	Specific Service Charges	\$5,910,525	\$ -	\$5,910,525		\$5,910,525
	Late Payment Charges	\$898,752	\$ -	\$898,752		\$898,752
	Other Distribution Revenue	\$1,410,557	\$ -	\$1,410,557		\$1,410,557
	Other Income and Deductions	\$3,479,704	\$ -	\$3,479,704		\$3,479,704
	Total Revenue Offsets	\$11,699,538	\$ -	\$11,699,538	\$ -	\$11,699,538





Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Taxes/PILs

Line No.	Particulars	Application	Application Update	Per Board Decision
<u>Determination of Taxable Income</u>				
1	Utility net income before taxes	\$34,346,978	\$34,296,633	\$34,296,633
2	Adjustments required to arrive at taxable utility income	(\$19,597,073)	(\$19,841,511)	(\$19,597,073)
3	Taxable income	<u>\$14,749,905</u>	<u>\$14,455,122</u>	<u>\$14,699,560</u>
<u>Calculation of Utility Income Taxes</u>				
4	Income taxes	<u>\$3,656,225</u>	<u>\$3,663,107</u>	<u>\$3,663,107</u>
6	Total taxes	<u>\$3,656,225</u>	<u>\$3,663,107</u>	<u>\$3,663,107</u>
7	Gross-up of Income Taxes	<u>\$1,302,223</u>	<u>\$1,320,712</u>	<u>\$1,320,712</u>
8	Grossed-up Income Taxes	<u>\$4,958,448</u>	<u>\$4,983,819</u>	<u>\$4,983,819</u>
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	<u>\$4,958,448</u>	<u>\$4,983,819</u>	<u>\$4,983,819</u>
10	Other tax Credits	(\$217,500)	(\$167,500)	(\$167,500)
<u>Tax Rates</u>				
11	Federal tax (%)	15.00%	15.00%	15.00%
12	Provincial tax (%)	11.26%	11.50%	11.50%
13	Total tax rate (%)	<u>26.26%</u>	<u>26.50%</u>	<u>26.50%</u>

## Notes



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate	Return
Initial Application					
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$517,051,284	3.72%	\$19,234,308
2	Short-term Debt	4.00%	\$36,932,235	2.16%	\$797,736
3	Total Debt	60.00%	\$553,983,519	3.62%	\$20,032,044
	Equity				
4	Common Equity	40.00%	\$369,322,346	9.30%	\$34,346,978
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$369,322,346	9.30%	\$34,346,978
7	Total	100.00%	\$923,305,865	5.89%	\$54,379,022
Application Update					
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$516,293,400	3.72%	\$19,206,114
2	Short-term Debt	4.00%	\$36,878,100	2.16%	\$796,567
3	Total Debt	60.00%	\$553,171,501	3.62%	\$20,002,681
	Equity				
4	Common Equity	40.00%	\$368,781,000	9.30%	\$34,296,633
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$368,781,000	9.30%	\$34,296,633
7	Total	100.00%	\$921,952,501	5.89%	\$54,299,314
Per Board Decision					
		(%)	(\$)	(%)	(\$)
	Debt				
8	Long-term Debt	56.00%	\$516,293,400	3.72%	\$19,206,114
9	Short-term Debt	4.00%	\$36,878,100	2.16%	\$796,567
10	Total Debt	60.00%	\$553,171,501	3.62%	\$20,002,681
	Equity				
11	Common Equity	40.00%	\$368,781,000	9.30%	\$34,296,633
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	Total Equity	40.00%	\$368,781,000	9.30%	\$34,296,633
14	Total	100.00%	\$921,952,501	5.89%	\$54,299,314

### Notes

(1)

Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Revenue Deficiency/Sufficiency

Line No.	Particulars	Initial Application		Application Update		Per Board Decision	
		At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1	Revenue Deficiency from Below		\$17,336,524		\$17,209,491		\$17,209,491
2	Distribution Revenue	\$158,233,086	\$158,233,086	\$158,235,254	\$158,235,253	\$158,235,254	\$158,235,253
3	Other Operating Revenue	\$11,699,538	\$11,699,538	\$11,699,538	\$11,699,538	\$11,699,538	\$11,699,538
	Offsets - net						
4	<b>Total Revenue</b>	<b>\$169,932,624</b>	<b>\$187,269,148</b>	<b>\$169,934,792</b>	<b>\$187,144,282</b>	<b>\$169,934,792</b>	<b>\$187,144,282</b>
5	Operating Expenses	\$127,931,678	\$127,931,678	\$127,861,149	\$127,861,149	\$127,861,149	\$127,861,149
6	Deemed Interest Expense	\$20,032,044	\$20,032,044	\$20,002,681	\$20,002,681	\$20,002,681	\$20,002,681
8	<b>Total Cost and Expenses</b>	<b>\$147,963,722</b>	<b>\$147,963,722</b>	<b>\$147,863,830</b>	<b>\$147,863,830</b>	<b>\$147,863,830</b>	<b>\$147,863,830</b>
9	<b>Utility Income Before Income Taxes</b>	<b>\$21,968,902</b>	<b>\$39,305,426</b>	<b>\$22,070,962</b>	<b>\$39,280,452</b>	<b>\$22,070,962</b>	<b>\$39,280,452</b>
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$19,597,073)	(\$19,597,073)	(\$19,841,511)	(\$19,841,511)	(\$19,841,511)	(\$19,841,511)
11	<b>Taxable Income</b>	<b>\$2,371,829</b>	<b>\$19,708,353</b>	<b>\$2,229,450</b>	<b>\$19,438,940</b>	<b>\$2,229,450</b>	<b>\$19,438,940</b>
12	Income Tax Rate	26.26%	26.26%	26.50%	26.50%	26.50%	26.50%
13	<b>Income Tax on Taxable Income</b>	<b>\$622,907</b>	<b>\$5,175,948</b>	<b>\$590,804</b>	<b>\$5,151,319</b>	<b>\$590,804</b>	<b>\$5,151,319</b>
14	<b>Income Tax Credits</b>	<b>(\$217,500)</b>	<b>(\$217,500)</b>	<b>(\$167,500)</b>	<b>(\$167,500)</b>	<b>(\$167,500)</b>	<b>(\$167,500)</b>
15	<b>Utility Net Income</b>	<b>\$21,563,495</b>	<b>\$34,346,978</b>	<b>\$21,647,657</b>	<b>\$34,296,633</b>	<b>\$21,647,657</b>	<b>\$34,296,633</b>
16	<b>Utility Rate Base</b>	<b>\$923,305,865</b>	<b>\$923,305,865</b>	<b>\$921,952,501</b>	<b>\$921,952,501</b>	<b>\$921,952,501</b>	<b>\$921,952,501</b>
17	Deemed Equity Portion of Rate Base	\$369,322,346	\$369,322,346	\$368,781,000	\$368,781,000	\$368,781,000	\$368,781,000
18	Income/(Equity Portion of Rate Base)	5.84%	9.30%	5.87%	9.30%	5.87%	9.30%
19	Target Return - Equity on Rate Base	9.30%	9.30%	9.30%	9.30%	9.30%	9.30%
20	Deficiency/Sufficiency in Return on Equity	-3.46%	0.00%	-3.43%	0.00%	-3.43%	0.00%
21	Indicated Rate of Return	4.51%	5.89%	4.52%	5.89%	4.52%	5.89%
22	Requested Rate of Return on Rate Base	5.89%	5.89%	5.89%	5.89%	5.89%	5.89%
23	Deficiency/Sufficiency in Rate of Return	-1.38%	0.00%	-1.37%	0.00%	-1.37%	0.00%
24	Target Return on Equity	\$34,346,978	\$34,346,978	\$34,296,633	\$34,296,633	\$34,296,633	\$34,296,633
25	Revenue Deficiency/(Sufficiency)	\$12,783,483	\$0	\$12,648,976	(\$0)	\$12,648,976	(\$0)
26	<b>Gross Revenue Deficiency/(Sufficiency)</b>	<b>\$17,336,524 (1)</b>		<b>\$17,209,491 (1)</b>		<b>\$17,209,491 (1)</b>	

### Notes:

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Revenue Requirement

Line No.	Particulars	Application	Application Update	Per Board Decision
1	OM&A Expenses	\$85,017,720	\$85,017,720	\$85,017,720
2	Amortization/Depreciation	\$40,826,114	\$40,755,585	\$40,755,585
3	Property Taxes	\$2,087,844	\$2,087,844	\$2,087,844
5	Income Taxes (Grossed up)	\$4,958,448	\$4,983,819	\$4,983,819
6	Other Expenses	\$ -		
7	Return			
	Deemed Interest Expense	\$20,032,044	\$20,002,681	\$20,002,681
	Return on Deemed Equity	\$34,346,978	\$34,296,633	\$34,296,633
8	<b>Service Revenue Requirement (before Revenues)</b>	<u>\$187,269,148</u>	<u>\$187,144,282</u>	<u>\$187,144,282</u>
9	Revenue Offsets	\$11,699,538	\$11,699,538	\$ -
10	<b>Base Revenue Requirement (excluding Tranformer Owership Allowance credit adjustment)</b>	<u>\$175,569,610</u>	<u>\$175,444,744</u>	<u>\$187,144,282</u>
11	Distribution revenue	\$175,569,610 (2)	\$175,444,744 (3)	\$175,444,744
12	Other revenue	\$11,699,538	\$11,699,538	\$11,699,538
13	<b>Total revenue</b>	<u>\$187,269,148</u>	<u>\$187,144,282</u>	<u>\$187,144,282</u>
14	<b>Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)</b>	<u>\$0 (1)</u>	<u>(\$0) (1)</u>	<u>(\$0) (1)</u>

### Notes

- (1) Line 11 - Line 8  
(2) Distribution Revenue not including Transformer Ownership Allowance, Total Revenue Requirement is \$176,694,250  
(3) Distribution Revenue not including Transformer Ownership Allowance, Total Revenue Requirement is \$176,569,383



Ontario Energy Board

## Revenue Requirement Workform (RRWF) for 2015 Filers

### Tracking Form

The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.)

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

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

<sup>(2)</sup> Short description of change, issue, etc.

60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ [IndustryRelations@ontarioenergyboard.ca](mailto:IndustryRelations@ontarioenergyboard.ca).

### Summary of Proposed Changes

Reference <sup>(1)</sup>	Item / Description <sup>(2)</sup>	Cost of Capital		Rate Base and Capital Expenditures			Operating Expenses			Revenue Requirement			
		Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	Grossed up Revenue Deficiency / Sufficiency
1	Original Application	\$ 54,379,022	5.89%	\$ 923,305,865	\$ 981,391,050	\$ 139,357,529	\$ 40,826,114	\$ 4,958,448	\$ 85,017,720	\$ 187,269,148	\$ 11,699,538	\$ 175,569,610	\$ 17,336,524
	2016 Year	\$ 54,379,022	5.89%	\$ 923,305,865	\$ 981,391,050	\$ 139,357,529	\$ 40,826,114	\$ 4,958,448	\$ 85,017,720	\$ 187,269,148	\$ 11,699,538	\$ 175,569,610	\$ 17,336,524
2	Change	-\$ 0	0.00%	-\$ 0	-\$ 0	-\$ 0	-\$ 0	\$ 0	\$ -	-\$ 0	\$ -	-\$ 0	-\$ 0
	Exhibit B-2-1, D-4-1 and F-1, IR OEB#1 and EP#38	\$ 54,299,315	5.89%	\$ 921,952,501	\$ 981,391,050	\$ 139,357,529	\$ 40,755,585	\$ 4,983,819	\$ 85,017,720	\$ 187,144,282	\$ 11,699,538	\$ 175,444,744	\$ 17,209,490
3	Change	\$ 54,299,315	5.89%	\$ 921,952,501	\$ 981,391,050	\$ 139,357,529	\$ 40,755,585	\$ 4,983,819	\$ 85,017,720	\$ 187,144,282	\$ 11,699,538	\$ 175,444,744	\$ 17,209,490
	Change												



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers



Version 5.00

Utility Name	Hydro Ottawa Limited
Service Territory	
Assigned EB Number	EB-2015-0004 (Year 2017)
Name and Title	April Barrie; Manager, Rates and Revenue
Phone Number	613-738-5499, ext 106
Email Address	RegulatoryAffairs@HydroOttawa.com

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

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[4. Rate Base](#)

[5. Utility Income](#)

[6. Taxes PILs](#)

[7. Cost of Capital](#)

[8. Rev Def Suff](#)

[9. Rev Reqt](#)

[10. Tracking Sheet](#)

## Notes:

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Data Input <sup>(1)</sup>

	Initial Application	(2)	Adjustments	Application Update	(6)	Adjustments	Per Board Decision
<b>1</b>	<b>Rate Base</b>						
Gross Fixed Assets (average)	\$963,191,112		(\$4,088,687)	\$ 959,102,425	###		\$959,102,425
Accumulated Depreciation (average)	(\$134,843,112)	(5)	\$2,814,248	(\$132,028,864)	###		(\$132,028,864)
<b>Allowance for Working Capital:</b>							
Controllable Expenses	\$89,932,139			\$ 89,932,139			\$89,932,139
Cost of Power	\$911,714,427			\$ 911,714,427			\$911,714,427
Working Capital Rate (%)	14.20%	(9)		14.20%	(9)		14.20% (9)
<b>2</b>	<b>Utility Income</b>						
Operating Revenues:							
Distribution Revenue at Current Rates	\$157,869,752	(10)	\$2,169	\$157,871,921	###		
Distribution Revenue at Proposed Rates	\$185,669,946	(11)	(\$127,227)	\$185,542,719			
<b>Other Revenue:</b>							
Specific Service Charges	\$5,934,229		\$0	\$5,934,229			
Late Payment Charges	\$720,000		\$0	\$720,000			
Other Distribution Revenue	\$1,426,444		\$0	\$1,426,444			
Other Income and Deductions	\$3,484,458		\$0	\$3,484,458			
Total Revenue Offsets	\$11,565,131	(7)	\$0	\$11,565,131			
<b>Operating Expenses:</b>							
OM+A Expenses	\$87,776,545			\$ 87,776,545			\$87,776,545
Depreciation/Amortization	\$44,145,078		(\$87,321)	\$ 44,057,757			\$44,057,757
Property taxes	\$2,155,595			\$ 2,155,595			\$2,155,595
Other expenses							
<b>3</b>	<b>Taxes/PILs</b>						
Taxable Income:							
Adjustments required to arrive at taxable income	(\$21,610,760)	(3)		(\$21,920,315)	14		
<b>Utility Income Taxes and Rates:</b>							
Income taxes (not grossed up)	\$3,538,644			\$3,554,049	###		
Income taxes (grossed up)	\$4,798,717			\$4,835,441			
Federal tax (%)	15.00%			15.00%			
Provincial tax (%)	11.26%			11.50%			
Income Tax Credits	(\$267,500)			(\$192,500)			
<b>4</b>	<b>Capitalization/Cost of Capital</b>						
Capital Structure:							
Long-term debt Capitalization Ratio (%)	56.0%			56.0%			
Short-term debt Capitalization Ratio (%)	4.0%	(8)		4.0%	(8)		(8)
Common Equity Capitalization Ratio (%)	40.0%			40.0%			
Preferred Shares Capitalization Ratio (%)							
	100.0%			100.0%			
<b>Cost of Capital</b>							
Long-term debt Cost Rate (%)	3.94%			3.94%			
Short-term debt Cost Rate (%)	2.16%			2.16%			
Common Equity Cost Rate (%)	9.30%			9.30%			
Preferred Shares Cost Rate (%)							

### Notes:

- General** Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.
- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)
- (2) Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I
- (3) Net of addbacks and deductions to arrive at taxable income.
- (4) Average of Gross Fixed Assets at beginning and end of the Test Year
- (5) Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
- (6) Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
- (7) Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
- (8) 4.0% unless an Applicant has proposed or been approved for another amount.
- (9) Starting with 2013, default Working Capital Allowance factor is 13% (of Cost of Power plus controllable expenses). Alternatively, WCA factor based on lead-lag study or approved WCA factor for another distributor, with supporting rationale.
- (10) Revenue at current rates minus Transformer Ownership Allowance
- (11) Distribution Revenue not including Transformer Ownership Allowance, Total Revenue Requirement is \$186,784,378
- (12) Gross Fixed Assets (average) and Accumulated Depreciation (average) - Updated for 2014 Actuals and flow through 2016 through 2020
- (13) Correction - To include Sentinel Light Variable Charge
- (14) PILs - Update per (12); Ontario Apprenticeship Tax Credit program legislative changes; Ontario Small Business Deduction Correction; Charitable Contributions





Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Rate Base and Working Capital

Line No.	Rate Base Particulars		Initial Application	Adjustments	Application Update	Adjustments	Per Board Decision
1	Gross Fixed Assets (average)	(3)	\$963,191,112	(\$4,088,687)	\$959,102,425	\$ -	\$959,102,425
2	Accumulated Depreciation (average)	(3)	(\$134,843,112)	\$2,814,248	(\$132,028,864)	\$ -	(\$132,028,864)
3	Net Fixed Assets (average)	(3)	\$828,348,000	(\$1,274,439)	\$827,073,561	\$ -	\$827,073,561
4	Allowance for Working Capital	(1)	\$142,233,812	\$ -	\$142,233,812	\$ -	\$142,233,812
5	<b>Total Rate Base</b>		<b>\$970,581,813</b>	<b>(\$1,274,439)</b>	<b>\$969,307,374</b>	<b>\$ -</b>	<b>\$969,307,374</b>

### (1) Allowance for Working Capital - Derivation

6	Controllable Expenses		\$89,932,139	\$ -	\$89,932,139	\$ -	\$89,932,139
7	Cost of Power		\$911,714,427	\$ -	\$911,714,427	\$ -	\$911,714,427
8	Working Capital Base		\$1,001,646,566	\$ -	\$1,001,646,566	\$ -	\$1,001,646,566
9	Working Capital Rate %	(2)	14.20%	0.00%	14.20%	0.00%	14.20%
10	Working Capital Allowance		\$142,233,812	\$ -	\$142,233,812	\$ -	\$142,233,812

#### Notes

- (2) Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2014 cost of service applications is 13%.
- (3) Average of opening and closing balances for the year.



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Utility Income

Line No.	Particulars	Initial Application	Adjustments	Application Update	Adjustments	Per Board Decision
	<b>Operating Revenues:</b>					
1	Distribution Revenue (at Proposed Rates)	\$185,669,946	(\$127,227)	\$185,542,719	\$ -	\$185,542,719
2	Other Revenue (1)	\$11,565,131	\$ -	\$11,565,131	\$ -	\$11,565,131
3	Total Operating Revenues	\$197,235,078	(\$127,227)	\$197,107,850	\$ -	\$197,107,850
	<b>Operating Expenses:</b>					
4	OM+A Expenses	\$87,776,545	\$ -	\$87,776,545	\$ -	\$87,776,545
5	Depreciation/Amortization	\$44,145,078	(\$87,321)	\$44,057,757	\$ -	\$44,057,757
6	Property taxes	\$2,155,595	\$ -	\$2,155,595	\$ -	\$2,155,595
7	Capital taxes	\$ -	\$ -	\$ -	\$ -	\$ -
8	Other expense	\$ -	\$ -	\$ -	\$ -	\$ -
9	Subtotal (lines 4 to 8)	\$134,077,217	(\$87,321)	\$133,989,896	\$ -	\$133,989,896
10	Deemed Interest Expense	\$22,253,500	(\$29,220)	\$22,224,279	\$ -	\$22,224,279
11	Total Expenses (lines 9 to 10)	\$156,330,717	(\$116,541)	\$156,214,176	\$ -	\$156,214,176
12	Utility income before income taxes	\$40,904,360	(\$10,686)	\$40,893,674	\$ -	\$40,893,674
13	Income taxes (grossed-up)	\$4,798,717	\$36,724	\$4,835,441	\$ -	\$4,835,441
14	Utility net income	\$36,105,644	(\$47,410)	\$36,058,234	\$ -	\$36,058,234

## Notes

### Other Revenues / Revenue Offsets

(1)	Specific Service Charges	\$5,934,229	\$ -	\$5,934,229		\$5,934,229
	Late Payment Charges	\$720,000	\$ -	\$720,000		\$720,000
	Other Distribution Revenue	\$1,426,444	\$ -	\$1,426,444		\$1,426,444
	Other Income and Deductions	\$3,484,458	\$ -	\$3,484,458		\$3,484,458
	Total Revenue Offsets	\$11,565,131	\$ -	\$11,565,131	\$ -	\$11,565,131



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Taxes/PILs

Line No.	Particulars	Application	Application Update	Per Board Decision
<u>Determination of Taxable Income</u>				
1	Utility net income before taxes	\$36,105,643	\$36,058,234	\$36,058,234
2	Adjustments required to arrive at taxable utility income	(\$21,610,760)	(\$21,920,315)	(\$21,610,760)
3	Taxable income	<u>\$14,494,883</u>	<u>\$14,137,919</u>	<u>\$14,447,474</u>
<u>Calculation of Utility Income Taxes</u>				
4	Income taxes	\$3,538,644	\$3,554,049	\$3,554,049
6	Total taxes	<u>\$3,538,644</u>	<u>\$3,554,049</u>	<u>\$3,554,049</u>
7	Gross-up of Income Taxes	<u>\$1,260,073</u>	<u>\$1,281,392</u>	<u>\$1,281,392</u>
8	Grossed-up Income Taxes	<u>\$4,798,717</u>	<u>\$4,835,441</u>	<u>\$4,835,441</u>
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	<u>\$4,798,717</u>	<u>\$4,835,441</u>	<u>\$4,835,441</u>
10	Other tax Credits	(\$267,500)	(\$192,500)	(\$192,500)
<u>Tax Rates</u>				
11	Federal tax (%)	15.00%	15.00%	15.00%
12	Provincial tax (%)	11.26%	11.50%	11.50%
13	Total tax rate (%)	<u>26.26%</u>	<u>26.50%</u>	<u>26.50%</u>

## Notes



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate	Return
Initial Application					
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$543,525,815	3.94%	\$21,414,917
2	Short-term Debt	4.00%	\$38,823,273	2.16%	\$838,583
3	Total Debt	60.00%	\$582,349,088	3.82%	\$22,253,500
Equity					
4	Common Equity	40.00%	\$388,232,725	9.30%	\$36,105,643
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$388,232,725	9.30%	\$36,105,643
7	Total	100.00%	\$970,581,813	6.01%	\$58,359,143
Application Update					
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$542,812,129	3.94%	\$21,386,798
2	Short-term Debt	4.00%	\$38,772,295	2.16%	\$837,482
3	Total Debt	60.00%	\$581,584,424	3.82%	\$22,224,279
Equity					
4	Common Equity	40.00%	\$387,722,949	9.30%	\$36,058,234
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$387,722,949	9.30%	\$36,058,234
7	Total	100.00%	\$969,307,374	6.01%	\$58,282,514
Per Board Decision					
		(%)	(\$)	(%)	(\$)
	Debt				
8	Long-term Debt	56.00%	\$542,812,129	3.94%	\$21,386,798
9	Short-term Debt	4.00%	\$38,772,295	2.16%	\$837,482
10	Total Debt	60.00%	\$581,584,424	3.82%	\$22,224,279
Equity					
11	Common Equity	40.00%	\$387,722,949	9.30%	\$36,058,234
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	Total Equity	40.00%	\$387,722,949	9.30%	\$36,058,234
14	Total	100.00%	\$969,307,374	6.01%	\$58,282,514

### Notes

- (1) Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Revenue Deficiency/Sufficiency

Line No.	Particulars	Initial Application		Application Update		Per Board Decision	
		At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1	Revenue Deficiency from Below		\$27,800,194		\$27,670,798		\$27,670,798
2	Distribution Revenue	\$157,869,752	\$157,869,753	\$157,871,921	\$157,871,921	\$157,871,921	\$157,871,921
3	Other Operating Revenue	\$11,565,131	\$11,565,131	\$11,565,131	\$11,565,131	\$11,565,131	\$11,565,131
	Offsets - net						
4	<b>Total Revenue</b>	<b>\$169,434,884</b>	<b>\$197,235,078</b>	<b>\$169,437,052</b>	<b>\$197,107,850</b>	<b>\$169,437,052</b>	<b>\$197,107,850</b>
5	Operating Expenses	\$134,077,217	\$134,077,217	\$133,989,896	\$133,989,896	\$133,989,896	\$133,989,896
6	Deemed Interest Expense	\$22,253,500	\$22,253,500	\$22,224,279	\$22,224,279	\$22,224,279	\$22,224,279
8	<b>Total Cost and Expenses</b>	<b>\$156,330,717</b>	<b>\$156,330,717</b>	<b>\$156,214,176</b>	<b>\$156,214,176</b>	<b>\$156,214,176</b>	<b>\$156,214,176</b>
9	<b>Utility Income Before Income Taxes</b>	<b>\$13,104,167</b>	<b>\$40,904,360</b>	<b>\$13,222,876</b>	<b>\$40,893,674</b>	<b>\$13,222,876</b>	<b>\$40,893,674</b>
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$21,610,760)	(\$21,610,760)	(\$21,920,315)	(\$21,920,315)	(\$21,920,315)	(\$21,920,315)
11	<b>Taxable Income</b>	<b>(\$8,506,594)</b>	<b>\$19,293,600</b>	<b>(\$8,697,439)</b>	<b>\$18,973,359</b>	<b>(\$8,697,439)</b>	<b>\$18,973,359</b>
12	Income Tax Rate	26.26%	26.26%	26.50%	26.50%	26.50%	26.50%
13	<b>Income Tax on Taxable Income</b>	<b>(\$2,233,707)</b>	<b>\$5,066,217</b>	<b>(\$2,304,821)</b>	<b>\$5,027,940</b>	<b>(\$2,304,821)</b>	<b>\$5,027,940</b>
14	<b>Income Tax Credits</b>	<b>(\$267,500)</b>	<b>(\$267,500)</b>	<b>(\$192,500)</b>	<b>(\$192,500)</b>	<b>(\$192,500)</b>	<b>(\$192,500)</b>
15	<b>Utility Net Income</b>	<b>\$15,605,373</b>	<b>\$36,105,644</b>	<b>\$15,720,198</b>	<b>\$36,058,234</b>	<b>\$15,720,198</b>	<b>\$36,058,234</b>
16	<b>Utility Rate Base</b>	<b>\$970,581,813</b>	<b>\$970,581,813</b>	<b>\$969,307,374</b>	<b>\$969,307,374</b>	<b>\$969,307,374</b>	<b>\$969,307,374</b>
17	Deemed Equity Portion of Rate Base	\$388,232,725	\$388,232,725	\$387,722,949	\$387,722,949	\$387,722,949	\$387,722,949
18	Income/(Equity Portion of Rate Base)	4.02%	9.30%	4.05%	9.30%	4.05%	9.30%
19	Target Return - Equity on Rate Base	9.30%	9.30%	9.30%	9.30%	9.30%	9.30%
20	Deficiency/Sufficiency in Return on Equity	-5.28%	0.00%	-5.25%	0.00%	-5.25%	0.00%
21	Indicated Rate of Return	3.90%	6.01%	3.91%	6.01%	3.91%	6.01%
22	Requested Rate of Return on Rate Base	6.01%	6.01%	6.01%	6.01%	6.01%	6.01%
23	Deficiency/Sufficiency in Rate of Return	-2.11%	0.00%	-2.10%	0.00%	-2.10%	0.00%
24	Target Return on Equity	\$36,105,643	\$36,105,643	\$36,058,234	\$36,058,234	\$36,058,234	\$36,058,234
25	Revenue Deficiency/(Sufficiency)	\$20,500,270	\$0	\$20,338,037	(\$1)	\$20,338,037	(\$1)
26	<b>Gross Revenue Deficiency/(Sufficiency)</b>	<b>\$27,800,194 (1)</b>		<b>\$27,670,798 (1)</b>		<b>\$27,670,798 (1)</b>	

### Notes:

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Revenue Requirement

Line No.	Particulars	Application	Application Update	Per Board Decision
1	OM&A Expenses	\$87,776,545	\$87,776,545	\$87,776,545
2	Amortization/Depreciation	\$44,145,078	\$44,057,757	\$44,057,757
3	Property Taxes	\$2,155,595	\$2,155,595	\$2,155,595
5	Income Taxes (Grossed up)	\$4,798,717	\$4,835,441	\$4,835,441
6	Other Expenses	\$ -		
7	Return			
	Deemed Interest Expense	\$22,253,500	\$22,224,279	\$22,224,279
	Return on Deemed Equity	\$36,105,643	\$36,058,234	\$36,058,234
8	<b>Service Revenue Requirement (before Revenues)</b>	<u>\$197,235,077</u>	<u>\$197,107,851</u>	<u>\$197,107,851</u>
9	Revenue Offsets	\$11,565,131	\$11,565,131	\$ -
10	<b>Base Revenue Requirement (excluding Tranformer Owership Allowance credit adjustment)</b>	<u>\$185,669,946</u>	<u>\$185,542,720</u>	<u>\$197,107,851</u>
11	Distribution revenue	\$185,669,946 (2)	\$185,542,719 (3)	\$185,542,719
12	Other revenue	\$11,565,131	\$11,565,131	\$11,565,131
13	<b>Total revenue</b>	<u>\$197,235,078</u>	<u>\$197,107,850</u>	<u>\$197,107,850</u>
14	<b>Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)</b>	<u>\$0 (1)</u>	<u>(\$1) (1)</u>	<u>(\$1) (1)</u>

### Notes

- (1) Line 11 - Line 8  
(2) Distribution Revenue not including Transformer Ownership Allowance, Total Revenue Requirement is \$186,784,378  
(3) Distribution Revenue not including Transformer Ownership Allowance, Total Revenue Requirement is \$186,657,150



Ontario Energy Board

## Revenue Requirement Workform (RRWF) for 2015 Filers

### Tracking Form

The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.)

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

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

<sup>(2)</sup> Short description of change, issue, etc.

60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ [IndustryRelations@ontarioenergyboard.ca](mailto:IndustryRelations@ontarioenergyboard.ca).

### Summary of Proposed Changes

Reference <sup>(1)</sup>	Item / Description <sup>(2)</sup>	Cost of Capital		Rate Base and Capital Expenditures			Operating Expenses			Revenue Requirement			
		Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	Grossed up Revenue Deficiency / Sufficiency
	Original Application	\$ 58,359,143	6.01%	\$ 970,581,813	\$1,001,646,566	\$ 142,233,812	\$ 44,145,078	\$ 4,798,717	\$ 87,776,545	\$ 197,235,077	\$ 11,565,131	\$ 185,669,946	\$ 27,800,194
1 Year 2017		\$ 58,359,143	6.01%	\$ 970,581,813	\$1,001,646,566	\$ 142,233,812	\$ 44,145,078	\$ 4,798,717	\$ 87,776,545	\$ 197,235,077	\$ 11,565,131	\$ 185,669,946	\$ 27,800,194



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers



Version 5.00

Utility Name	Hydro Ottawa Limited
Service Territory	
Assigned EB Number	EB-2015-0004 (Year 2018)
Name and Title	April Barrie; Manager, Rates and Revenue
Phone Number	613-738-5499, ext 106
Email Address	RegulatoryAffairs@HydroOttawa.com

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





Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

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[6. Taxes PILs](#)

[7. Cost of Capital](#)

[8. Rev Def Suff](#)

[9. Rev Req](#)

[10. Tracking Sheet](#)

## Notes:

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Data Input <sup>(1)</sup>

	Initial Application	(2)		(6)	Per Board Decision
<b>1 Rate Base</b>					
Gross Fixed Assets (average)	\$1,051,985,626		(\$4,088,687)	# \$1,047,896,940	### \$1,047,896,940
Accumulated Depreciation (average)	(\$179,426,302)	(5)	\$2,909,901	# (\$176,516,401)	### (\$176,516,401)
<b>Allowance for Working Capital:</b>					
Controllable Expenses	\$92,850,437			\$ 92,850,437	\$92,850,437
Cost of Power	\$947,558,773			\$ 947,558,773	\$947,558,773
Working Capital Rate (%)	14.20%	(9)		14.20%	(9) 14.20%
<b>2 Utility Income</b>					
Operating Revenues:					
Distribution Revenue at Current Rates	\$158,309,877	(10)	\$2,168	\$158,312,045	###
Distribution Revenue at Proposed Rates	\$196,398,374	(11)	(\$95,047)	\$196,303,327	
<b>Other Revenue:</b>					
Specific Service Charges	\$6,014,982		\$0	\$6,014,982	
Late Payment Charges	\$720,000		\$0	\$720,000	
Other Distribution Revenue	\$1,469,736		\$0	\$1,469,736	
Other Income and Deductions	\$3,517,323		\$0	\$3,517,323	
Total Revenue Offsets	\$11,722,041	(7)	\$0	\$11,722,041	
<b>Operating Expenses:</b>					
OM+A Expenses	\$90,624,894			\$ 90,624,894	\$90,624,894
Depreciation/Amortization	\$47,047,409		(\$103,985)	\$ 46,943,424	\$46,943,424
Property taxes	\$2,225,544			\$ 2,225,544	\$2,225,544
Other expenses					
<b>3 Taxes/PILs</b>					
Taxable Income:					
	(\$19,959,370)	(3)		(\$20,339,930)	14
Adjustments required to arrive at taxable income					
<b>Utility Income Taxes and Rates:</b>					
Income taxes (not grossed up)	\$4,476,359			\$4,523,890	###
Income taxes (grossed up)	\$6,074,211			\$6,154,952	
Federal tax (%)	15.00%			15.00%	
Provincial tax (%)	11.31%			11.50%	
Income Tax Credits	(\$257,500)			(\$132,500)	
<b>4 Capitalization/Cost of Capital</b>					
<b>Capital Structure:</b>					
Long-term debt Capitalization Ratio (%)	56.0%			56.0%	
Short-term debt Capitalization Ratio (%)	4.0%	(8)		4.0%	(8)
Common Equity Capitalization Ratio (%)	40.0%			40.0%	
Preferred Shares Capitalization Ratio (%)					
	100.0%			100.0%	
<b>Cost of Capital</b>					
Long-term debt Cost Rate (%)	4.08%			4.08%	
Short-term debt Cost Rate (%)	2.16%			2.16%	
Common Equity Cost Rate (%)	9.30%			9.30%	
Preferred Shares Cost Rate (%)					

## Notes:

- General** Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.
- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)
- Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I
- (2) Net of addbacks and deductions to arrive at taxable income.
- (3) Average of Gross Fixed Assets at beginning and end of the Test Year
- (4) Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
- (5) Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
- (6) Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
- (7) 4.0% unless an Applicant has proposed or been approved for another amount.
- (8) Starting with 2013, default Working Capital Allowance factor is 13% (of Cost of Power plus controllable expenses). Alternatively, WCA factor based on lead-lag study or approved WCA factor for another distributor, with supporting rationale.
- (9) Revenue at current rates minus Transformer Ownership Allowance
- (10) Distribution Revenue not including Transformer Ownership Allowance, Total Revenue Requirement is \$197,507,477
- (11) Gross Fixed Assets (average) and Accumulated Depreciation (average) - Updated for 2014 Actuals and flow through 2016 through 2020
- (12) Correction - To include Sentinel Light Variable Charge
- (13) PILs - Update per (12); Ontario Apprenticeship Tax Credit program legislative changes; Ontario Small Business Deduction Correction; Charitable Contributions Correction



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Rate Base and Working Capital

Rate Base									
Line No.	Particulars		Initial Application				Per Board Decision		
1	Gross Fixed Assets (average)	(3)	\$1,051,985,626		(\$4,088,687)		\$1,047,896,940		\$ -
2	Accumulated Depreciation (average)	(3)	(\$179,426,302)		\$2,909,901		(\$176,516,401)		\$ -
3	Net Fixed Assets (average)	(3)	\$872,559,324		(\$1,178,786)		\$871,380,538		\$ -
4	Allowance for Working Capital	(1)	\$147,738,108		\$ -		\$147,738,108		\$ -
5	Total Rate Base		\$1,020,297,432		(\$1,178,786)		\$1,019,118,646		\$ -

### (1) Allowance for Working Capital - Derivation

6	Controllable Expenses	\$92,850,437	\$ -	\$92,850,437	\$ -	\$92,850,437
7	Cost of Power	\$947,558,773	\$ -	\$947,558,773	\$ -	\$947,558,773
8	Working Capital Base	\$1,040,409,211	\$ -	\$1,040,409,211	\$ -	\$1,040,409,211
9	Working Capital Rate % (2)	14.20%	0.00%	14.20%	0.00%	14.20%
10	Working Capital Allowance	\$147,738,108	\$ -	\$147,738,108	\$ -	\$147,738,108

#### Notes

- (2) Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2014 cost of service applications is 13%.  
(3) Average of opening and closing balances for the year.



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Utility Income

Line No.	Particulars	Initial Application						Per Board Decision
	<b>Operating Revenues:</b>							
1	Distribution Revenue (at Proposed Rates)	\$196,398,374		(\$95,047)		\$196,303,327	\$ -	\$196,303,327
2	Other Revenue	(1) \$11,722,041		\$ -		\$11,722,041	\$ -	\$11,722,041
3	Total Operating Revenues	\$208,120,414		(\$95,047)		\$208,025,368	\$ -	\$208,025,368
	<b>Operating Expenses:</b>							
4	OM+A Expenses	\$90,624,894		\$ -		\$90,624,894	\$ -	\$90,624,894
5	Depreciation/Amortization	\$47,047,409		(\$103,985)		\$46,943,424	\$ -	\$46,943,424
6	Property taxes	\$2,225,544		\$ -		\$2,225,544	\$ -	\$2,225,544
7	Capital taxes	\$ -		\$ -		\$ -	\$ -	\$ -
8	Other expense	\$ -		\$ -		\$ -	\$ -	\$ -
9	Subtotal (lines 4 to 8)	\$139,897,846		(\$103,985)		\$139,793,861	\$ -	\$139,793,861
10	Deemed Interest Expense	\$24,193,293		(\$27,951)		\$24,165,341	\$ -	\$24,165,341
11	Total Expenses (lines 9 to 10)	\$164,091,139		(\$131,936)		\$163,959,203	\$ -	\$163,959,203
12	Utility income before income taxes	\$44,029,275		\$36,889		\$44,066,165	\$ -	\$44,066,165
13	Income taxes (grossed-up)	\$6,074,211		\$80,741		\$6,154,952	\$ -	\$6,154,952
14	Utility net income	\$37,955,064		(\$43,852)		\$37,911,213	\$ -	\$37,911,213

## Notes

### Other Revenues / Revenue Offsets

(1)	Specific Service Charges	\$6,014,982		\$ -		\$6,014,982		\$6,014,982
	Late Payment Charges	\$720,000		\$ -		\$720,000		\$720,000
	Other Distribution Revenue	\$1,469,736		\$ -		\$1,469,736		\$1,469,736
	Other Income and Deductions	\$3,517,323		\$ -		\$3,517,323		\$3,517,323
	Total Revenue Offsets	\$11,722,041		\$ -		\$11,722,041	\$ -	\$11,722,041



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Taxes/PILs

Line No.	Particulars	Application		Per Board Decision	
<u>Determination of Taxable Income</u>					
1	Utility net income before taxes	\$37,955,064		\$37,911,214	
2	Adjustments required to arrive at taxable utility income	(\$19,959,370)		(\$20,339,930)	
3	Taxable income	\$17,995,695		\$17,571,284	
<u>Calculation of Utility income Taxes</u>					
4	Income taxes	\$4,476,359		\$4,523,890	
6	Total taxes	\$4,476,359		\$4,523,890	
7	Gross-up of Income Taxes	\$1,597,852		\$1,631,062	
8	Grossed-up Income Taxes	\$6,074,211		\$6,154,952	
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$6,074,211		\$6,154,952	
10	Other tax Credits	(\$257,500)		(\$132,500)	
<u>Tax Rates</u>					
11	Federal tax (%)	15.00%		15.00%	
12	Provincial tax (%)	11.31%		11.50%	
13	Total tax rate (%)	26.31%		26.50%	

## Notes



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate	Return
		Initial Application			
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$571,366,562	4.08%	\$23,311,756
2	Short-term Debt	4.00%	\$40,811,897	2.16%	\$881,537
3	Total Debt	60.00%	\$612,178,459	3.95%	\$24,193,293
	Equity				
4	Common Equity	40.00%	\$408,118,973	9.30%	\$37,955,064
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$408,118,973	9.30%	\$37,955,064
7	Total	100.00%	\$1,020,297,432	6.09%	\$62,148,357
		Per Board Decision			
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$570,706,442	4.08%	\$23,284,823
2	Short-term Debt	4.00%	\$40,764,746	2.16%	\$880,519
3	Total Debt	60.00%	\$611,471,188	3.95%	\$24,165,341
	Equity				
4	Common Equity	40.00%	\$407,647,459	9.30%	\$37,911,214
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$407,647,459	9.30%	\$37,911,214
7	Total	100.00%	\$1,019,118,646	6.09%	\$62,076,555
		(%)	(\$)	(%)	(\$)
	Debt				
8	Long-term Debt	56.00%	\$570,706,442	4.08%	\$23,284,823
9	Short-term Debt	4.00%	\$40,764,746	2.16%	\$880,519
10	Total Debt	60.00%	\$611,471,188	3.95%	\$24,165,341
	Equity				
11	Common Equity	40.00%	\$407,647,459	9.30%	\$37,911,214
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	Total Equity	40.00%	\$407,647,459	9.30%	\$37,911,214
14	Total	100.00%	\$1,019,118,646	6.09%	\$62,076,555

### Notes

(1)

Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Revenue Deficiency/Sufficiency

Line No.	Particulars	Initial Application		Per Board Decision		Per Board Decision	
		At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1	Revenue Deficiency from Below		\$38,088,497		\$37,991,283		\$37,991,283
2	Distribution Revenue	\$158,309,877	\$158,309,877	\$158,312,045	\$158,312,044	\$158,312,045	\$158,312,044
3	Other Operating Revenue	\$11,722,041	\$11,722,041	\$11,722,041	\$11,722,041	\$11,722,041	\$11,722,041
4	Offsets - net						
4	<b>Total Revenue</b>	<b>\$170,031,918</b>	<b>\$208,120,414</b>	<b>\$170,034,086</b>	<b>\$208,025,368</b>	<b>\$170,034,086</b>	<b>\$208,025,368</b>
5	Operating Expenses	\$139,897,846	\$139,897,846	\$139,793,861	\$139,793,861	\$139,793,861	\$139,793,861
6	Deemed Interest Expense	\$24,193,293	\$24,193,293	\$24,165,341	\$24,165,341	\$24,165,341	\$24,165,341
8	<b>Total Cost and Expenses</b>	<b>\$164,091,139</b>	<b>\$164,091,139</b>	<b>\$163,959,203</b>	<b>\$163,959,203</b>	<b>\$163,959,203</b>	<b>\$163,959,203</b>
9	<b>Utility Income Before Income Taxes</b>	<b>\$5,940,779</b>	<b>\$44,029,275</b>	<b>\$6,074,883</b>	<b>\$44,066,165</b>	<b>\$6,074,883</b>	<b>\$44,066,165</b>
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$19,959,370)	(\$19,959,370)	(\$20,339,930)	(\$20,339,930)	(\$20,339,930)	(\$20,339,930)
11	<b>Taxable Income</b>	<b>(\$14,018,591)</b>	<b>\$24,069,906</b>	<b>(\$14,265,047)</b>	<b>\$23,726,235</b>	<b>(\$14,265,047)</b>	<b>\$23,726,235</b>
12	Income Tax Rate	26.31%	26.31%	26.50%	26.50%	26.50%	26.50%
13	<b>Income Tax on Taxable Income</b>	<b>(\$3,687,662)</b>	<b>\$6,331,711</b>	<b>(\$3,780,237)</b>	<b>\$6,287,452</b>	<b>(\$3,780,237)</b>	<b>\$6,287,452</b>
14	<b>Income Tax Credits</b>	<b>(\$257,500)</b>	<b>(\$257,500)</b>	<b>(\$132,500)</b>	<b>(\$132,500)</b>	<b>(\$132,500)</b>	<b>(\$132,500)</b>
15	<b>Utility Net Income</b>	<b>\$9,885,941</b>	<b>\$37,955,064</b>	<b>\$9,987,620</b>	<b>\$37,911,213</b>	<b>\$9,987,620</b>	<b>\$37,911,213</b>
16	<b>Utility Rate Base</b>	<b>\$1,020,297,432</b>	<b>\$1,020,297,432</b>	<b>\$1,019,118,646</b>	<b>\$1,019,118,646</b>	<b>\$1,019,118,646</b>	<b>\$1,019,118,646</b>
17	Deemed Equity Portion of Rate Base	\$408,118,973	\$408,118,973	\$407,647,459	\$407,647,459	\$407,647,459	\$407,647,459
18	Income/(Equity Portion of Rate Base)	2.42%	9.30%	2.45%	9.30%	2.45%	9.30%
19	Target Return - Equity on Rate Base	9.30%	9.30%	9.30%	9.30%	9.30%	9.30%
20	Deficiency/Sufficiency in Return on Equity	-6.88%	0.00%	-6.85%	0.00%	-6.85%	0.00%
21	Indicated Rate of Return	3.34%	6.09%	3.35%	6.09%	3.35%	6.09%
22	Requested Rate of Return on Rate Base	6.09%	6.09%	6.09%	6.09%	6.09%	6.09%
23	Deficiency/Sufficiency in Rate of Return	-2.75%	0.00%	-2.74%	0.00%	-2.74%	0.00%
24	Target Return on Equity	\$37,955,064	\$37,955,064	\$37,911,214	\$37,911,214	\$37,911,214	\$37,911,214
25	Revenue Deficiency/(Sufficiency)	\$28,069,124	(\$0)	\$27,923,593	(\$1)	\$27,923,593	(\$1)
26	<b>Gross Revenue Deficiency/(Sufficiency)</b>	<b>\$38,088,497 (1)</b>		<b>\$37,991,283 (1)</b>		<b>\$37,991,283 (1)</b>	

### Notes:

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Revenue Requirement

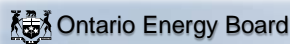
Line No.	Particulars	Application		Per Board Decision	
1	OM&A Expenses	\$90,624,894		\$90,624,894	
2	Amortization/Depreciation	\$47,047,409		\$46,943,424	
3	Property Taxes	\$2,225,544		\$2,225,544	
5	Income Taxes (Grossed up)	\$6,074,211		\$6,154,952	
6	Other Expenses	\$ -			
7	Return				
	Deemed Interest Expense	\$24,193,293		\$24,165,341	
	Return on Deemed Equity	\$37,955,064		\$37,911,214	
8	<b>Service Revenue Requirement (before Revenues)</b>	<u>\$208,120,415</u>		<u>\$208,025,369</u>	
9	Revenue Offsets	\$11,722,041		\$ -	
10	<b>Base Revenue Requirement (excluding Transformer Ownership Allowance credit adjustment)</b>	<u>\$196,398,374</u>		<u>\$196,303,328</u>	
11	Distribution revenue	\$196,398,374	(2)	\$196,303,327	
12	Other revenue	\$11,722,041		\$11,722,041	
13	<b>Total revenue</b>	<u>\$208,120,414</u>		<u>\$208,025,368</u>	
14	<b>Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)</b>	<u>(\$0)</u>	(1)	<u>(\$1)</u>	(1)

### Notes

(1) Line 11 - Line 8

(2) Distribution Revenue not including Transformer Ownership Allowance, Total Revenue Requirement is \$197,507,477  
Distribution Revenue not including Transformer Ownership Allowance, Total Revenue Requirement is \$197,412,430





## Revenue Requirement Workform (RRWF) for 2015 Filers

### Tracking Form

The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.)

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

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

<sup>(2)</sup> Short description of change, issue, etc.

60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ [IndustryRelations@ontarioenergyboard.ca](mailto:IndustryRelations@ontarioenergyboard.ca).

### Summary of Proposed Changes

Reference <sup>(1)</sup>	Item / Description <sup>(2)</sup>	Cost of Capital		Rate Base and Capital Expenditures			Operating Expenses			Revenue Requirement			
		Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	Grossed up Revenue Deficiency / Sufficiency
1	Original Application	\$ 62,148,357	6.09%	\$1,020,297,432	\$1,040,409,211	\$ 147,738,108	\$ 47,047,409	\$ 6,074,211	\$ 90,624,894	\$ 208,120,415	\$ 11,722,041	\$ 196,398,374	\$ 38,088,497
	2018 Year	\$ 62,148,357	6.09%	\$1,020,297,432	\$1,040,409,211	\$ 147,738,108	\$ 47,047,409	\$ 6,074,211	\$ 90,624,894	\$ 208,120,415	\$ 11,722,041	\$ 196,398,374	\$ 38,088,497
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Exhibit B-2-1, D-4-1 and F-1-1, IR OEB#1 and EP#38	\$ 62,076,555	6.09%	\$1,019,118,646	\$1,040,409,211	\$ 147,738,108	\$ 46,943,424	\$ 6,154,952	\$ 90,624,894	\$ 208,025,368	\$ 11,722,041	\$ 196,303,327	\$ 37,991,282
	See note 12, 13 & 14 on Data_Input_Sheet, Update 2014 Actual Capital, Sentinel Lights Correction and PILs Update	\$ 62,076,555	6.09%	\$1,019,118,646	\$1,040,409,211	\$ 147,738,108	\$ 46,943,424	\$ 6,154,952	\$ 90,624,894	\$ 208,025,368	\$ 11,722,041	\$ 196,303,327	\$ 37,991,282
	Change	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers



Version 5.00

Utility Name	Hydro Ottawa Limited
Service Territory	
Assigned EB Number	EB-2015-0004 (Year 2019)
Name and Title	April Barrie; Manager, Rates and Revenue
Phone Number	613-738-5499, ext 106
Email Address	RegulatoryAffairs@HydroOttawa.com

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

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[8. Rev Def Suff](#)

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## Notes:

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Data Input <sup>(1)</sup>

	Initial Application	(2)		(6)		Per Board Decision
<b>1 Rate Base</b>						
Gross Fixed Assets (average)	\$1,131,642,673		(\$4,088,687)	#	\$1,127,553,987	###
Accumulated Depreciation (average)	(\$226,411,300)	(5)	\$3,024,382	#	(\$223,386,919)	###
<b>Allowance for Working Capital:</b>						
Controllable Expenses	\$95,863,434			\$	95,863,434	
Cost of Power	\$928,733,588			\$	928,733,588	
Working Capital Rate (%)	14.20%	(9)		14.20%	(9)	
<b>2 Utility Income</b>						
Operating Revenues:						
Distribution Revenue at Current Rates	\$158,868,175	(10)	\$2,168	\$158,870,343	###	
Distribution Revenue at Proposed Rates	\$206,014,098	(11)	(\$122,964)	\$205,891,134		
<b>Other Revenue:</b>						
Specific Service Charges	\$6,039,578		\$0	\$6,039,578		
Late Payment Charges	\$720,000		\$0	\$720,000		
Other Distribution Revenue	\$1,491,865		\$0	\$1,491,865		
Other Income and Deductions	\$3,550,516		\$0	\$3,550,516		
Total Revenue Offsets	\$11,801,959	(7)	\$0	\$11,801,959		
<b>Operating Expenses:</b>						
OM+A Expenses	\$93,565,672			\$ 93,565,672		\$93,565,672
Depreciation/Amortization	\$48,948,694		(\$124,976)	\$ 48,823,718		\$48,823,718
Property taxes	\$2,297,762			\$ 2,297,762		\$2,297,762
Other expenses						
<b>3 Taxes/PILs</b>						
Taxable Income:						
Adjustments required to arrive at taxable income	(\$14,483,338)	(3)		(\$14,887,254)	14	
<b>Utility Income Taxes and Rates:</b>						
Income taxes (not grossed up)	\$6,239,454			\$6,276,925	###	
<b>Income taxes (grossed up)</b>						
Federal tax (%)	15.00%			15.00%		
Provincial tax (%)	11.36%			11.50%		
Income Tax Credits	(\$245,500)			(\$125,500)		
<b>4 Capitalization/Cost of Capital</b>						
<b>Capital Structure:</b>						
Long-term debt Capitalization Ratio (%)	56.0%			56.0%		
Short-term debt Capitalization Ratio (%)	4.0%	(8)		4.0%	(8)	
Common Equity Capitalization Ratio (%)	40.0%			40.0%		
Preferred Shares Capitalization Ratio (%)						
	100.0%			100.0%		
<b>Cost of Capital</b>						
Long-term debt Cost Rate (%)	4.17%			4.17%		
Short-term debt Cost Rate (%)	2.16%			2.16%		
Common Equity Cost Rate (%)	9.30%			9.30%		
Preferred Shares Cost Rate (%)						

## Notes:

- General** Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.
- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)
- Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I
- (2) Net of addbacks and deductions to arrive at taxable income.
- (3) Average of Gross Fixed Assets at beginning and end of the Test Year
- (4) Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
- (5) Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
- (7) Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
- (8) 4.0% unless an Applicant has proposed or been approved for another amount.
- (9) Starting with 2013, default Working Capital Allowance factor is 13% (of Cost of Power plus controllable expenses). Alternatively, WCA factor based on lead-lag study or approved WCA factor for another distributor, with supporting rationale.
- (10) Revenue at current rates minus Transformer Ownership Allowance
- (11) Distribution Revenue not including Transformer Ownership Allowance, Total Revenue Requirement is \$207,120,495
- (12) Gross Fixed Assets (average) and Accumulated Depreciation (average) - Updated for 2014 Actuals and flow through 2016 through 2020
- (13) Correction - To include Sentinel Light Variable Charge
- (14) PILs - Update per (12); Ontario Apprenticeship Tax Credit program legislative changes; Ontario Small Business Deduction Correction; Charitable Contributions Correction



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Rate Base and Working Capital

Rate Base										
Line No.	Particulars		Initial Application						Per Board Decision	
1	Gross Fixed Assets (average)	(3)	\$1,131,642,673		(\$4,088,687)		\$1,127,553,987		\$ -	\$1,127,553,987
2	Accumulated Depreciation (average)	(3)	(\$226,411,300)		\$3,024,382		(\$223,386,919)		\$ -	(\$223,386,919)
3	Net Fixed Assets (average)	(3)	\$905,231,373		(\$1,064,305)		\$904,167,068		\$ -	\$904,167,068
4	Allowance for Working Capital	(1)	\$145,492,777		\$ -		\$145,492,777		\$ -	\$145,492,777
5	Total Rate Base		\$1,050,724,150		(\$1,064,305)		\$1,049,659,845		\$ -	\$1,049,659,845

### (1) Allowance for Working Capital - Derivation

6	Controllable Expenses	\$95,863,434	\$ -	\$95,863,434	\$ -	\$95,863,434
7	Cost of Power	\$928,733,588	\$ -	\$928,733,588	\$ -	\$928,733,588
8	Working Capital Base	\$1,024,597,022	\$ -	\$1,024,597,022	\$ -	\$1,024,597,022
9	Working Capital Rate % (2)	14.20%	0.00%	14.20%	0.00%	14.20%
10	Working Capital Allowance	\$145,492,777	\$ -	\$145,492,777	\$ -	\$145,492,777

#### Notes

(2)

(3)

Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2014 cost of service applications is 13%.  
Average of opening and closing balances for the year.



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Utility Income

Line No.	Particulars	Initial Application					Per Board Decision
	<b>Operating Revenues:</b>						
1	Distribution Revenue (at Proposed Rates)	\$206,014,098		(\$122,964)		\$205,891,134	\$ -
2	Other Revenue (1)	\$11,801,959		\$ -		\$11,801,959	\$ -
3	Total Operating Revenues	\$217,816,057		(\$122,964)		\$217,693,093	\$ -
	<b>Operating Expenses:</b>						
4	OM+A Expenses	\$93,565,672		\$ -		\$93,565,672	\$ -
5	Depreciation/Amortization	\$48,948,694		(\$124,976)		\$48,823,718	\$ -
6	Property taxes	\$2,297,762		\$ -		\$2,297,762	\$ -
7	Capital taxes	\$ -		\$ -		\$ -	\$ -
8	Other expense	\$ -		\$ -		\$ -	\$ -
9	Subtotal (lines 4 to 8)	\$144,812,128		(\$124,976)		\$144,687,152	\$ -
10	Deemed Interest Expense	\$25,444,336		(\$25,773)		\$25,418,563	\$ -
11	Total Expenses (lines 9 to 10)	\$170,256,464		(\$150,749)		\$170,105,715	\$ -
12	Utility income before income taxes	\$47,559,593		\$27,785		\$47,587,379	\$ -
13	Income taxes (grossed-up)	\$8,472,655		\$67,379		\$8,540,034	\$ -
14	Utility net income	\$39,086,939		(\$39,594)		\$39,047,345	\$ -

## Notes

### Other Revenues / Revenue Offsets

(1)	Specific Service Charges	\$6,039,578		\$ -		\$6,039,578		\$6,039,578
	Late Payment Charges	\$720,000		\$ -		\$720,000		\$720,000
	Other Distribution Revenue	\$1,491,865		\$ -		\$1,491,865		\$1,491,865
	Other Income and Deductions	\$3,550,516		\$ -		\$3,550,516		\$3,550,516
	Total Revenue Offsets	\$11,801,959		\$ -		\$11,801,959	\$ -	\$11,801,959



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Taxes/PILs

Line No.	Particulars	Application		Per Board Decision	
<u>Determination of Taxable Income</u>					
1	Utility net income before taxes	\$39,086,938		\$39,047,346	
2	Adjustments required to arrive at taxable utility income	(\$14,483,338)		(\$14,887,254)	
3	Taxable income	\$24,603,601		\$24,160,092	
<u>Calculation of Utility income Taxes</u>					
4	Income taxes	\$6,239,454		\$6,276,925	
6	Total taxes	\$6,239,454		\$6,276,925	
7	Gross-up of Income Taxes	\$2,233,201		\$2,263,109	
8	Grossed-up Income Taxes	\$8,472,655		\$8,540,034	
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	\$8,472,655		\$8,540,034	
10	Other tax Credits	(\$245,500)		(\$125,500)	
<u>Tax Rates</u>					
11	Federal tax (%)	15.00%		15.00%	
12	Provincial tax (%)	11.36%		11.50%	
13	Total tax rate (%)	26.36%		26.50%	

## Notes



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate	Return
		Initial Application			
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$588,405,524	4.17%	\$24,536,510
2	Short-term Debt	4.00%	\$42,028,966	2.16%	\$907,826
3	Total Debt	60.00%	\$630,434,490	4.04%	\$25,444,336
	Equity				
4	Common Equity	40.00%	\$420,289,660	9.30%	\$39,086,938
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$420,289,660	9.30%	\$39,086,938
7	Total	100.00%	\$1,050,724,150	6.14%	\$64,531,274
		Per Board Decision			
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$587,809,513	4.17%	\$24,511,657
2	Short-term Debt	4.00%	\$41,986,394	2.16%	\$906,906
3	Total Debt	60.00%	\$629,795,907	4.04%	\$25,418,563
	Equity				
4	Common Equity	40.00%	\$419,863,938	9.30%	\$39,047,346
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$419,863,938	9.30%	\$39,047,346
7	Total	100.00%	\$1,049,659,845	6.14%	\$64,465,909
		(%)	(\$)	(%)	(\$)
	Debt				
8	Long-term Debt	56.00%	\$587,809,513	4.17%	\$24,511,657
9	Short-term Debt	4.00%	\$41,986,394	2.16%	\$906,906
10	Total Debt	60.00%	\$629,795,907	4.04%	\$25,418,563
	Equity				
11	Common Equity	40.00%	\$419,863,938	9.30%	\$39,047,346
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	Total Equity	40.00%	\$419,863,938	9.30%	\$39,047,346
14	Total	100.00%	\$1,049,659,845	6.14%	\$64,465,909

### Notes

(1)

Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I





Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Revenue Deficiency/Sufficiency

Line No.	Particulars	Initial Application		Per Board Decision		Per Board Decision	
		At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1	Revenue Deficiency from Below		\$47,145,922		\$47,020,792		\$47,020,792
2	Distribution Revenue	\$158,868,175	\$158,868,176	\$158,870,343	\$158,870,342	\$158,870,343	\$158,870,342
3	Other Operating Revenue	\$11,801,959	\$11,801,959	\$11,801,959	\$11,801,959	\$11,801,959	\$11,801,959
	Offsets - net						
4	<b>Total Revenue</b>	<b>\$170,670,135</b>	<b>\$217,816,057</b>	<b>\$170,672,302</b>	<b>\$217,693,093</b>	<b>\$170,672,302</b>	<b>\$217,693,093</b>
5	Operating Expenses	\$144,812,128	\$144,812,128	\$144,687,152	\$144,687,152	\$144,687,152	\$144,687,152
6	Deemed Interest Expense	\$25,444,336	\$25,444,336	\$25,418,563	\$25,418,563	\$25,418,563	\$25,418,563
8	<b>Total Cost and Expenses</b>	<b>\$170,256,464</b>	<b>\$170,256,464</b>	<b>\$170,105,715</b>	<b>\$170,105,715</b>	<b>\$170,105,715</b>	<b>\$170,105,715</b>
9	<b>Utility Income Before Income Taxes</b>	<b>\$413,671</b>	<b>\$47,559,593</b>	<b>\$566,588</b>	<b>\$47,587,379</b>	<b>\$566,588</b>	<b>\$47,587,379</b>
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$14,483,338)	(\$14,483,338)	(\$14,887,254)	(\$14,887,254)	(\$14,887,254)	(\$14,887,254)
11	<b>Taxable Income</b>	<b>(\$14,069,667)</b>	<b>\$33,076,256</b>	<b>(\$14,320,666)</b>	<b>\$32,700,125</b>	<b>(\$14,320,666)</b>	<b>\$32,700,125</b>
12	Income Tax Rate	26.36%	26.36%	26.50%	26.50%	26.50%	26.50%
13	<b>Income Tax on Taxable Income</b>	<b>(\$3,708,447)</b>	<b>\$8,718,155</b>	<b>(\$3,794,977)</b>	<b>\$8,665,533</b>	<b>(\$3,794,977)</b>	<b>\$8,665,533</b>
14	<b>Income Tax Credits</b>	<b>(\$245,500)</b>	<b>(\$245,500)</b>	<b>(\$125,500)</b>	<b>(\$125,500)</b>	<b>(\$125,500)</b>	<b>(\$125,500)</b>
15	<b>Utility Net Income</b>	<b>\$4,367,618</b>	<b>\$39,086,939</b>	<b>\$4,487,064</b>	<b>\$39,047,345</b>	<b>\$4,487,064</b>	<b>\$39,047,345</b>
16	<b>Utility Rate Base</b>	<b>\$1,050,724,150</b>	<b>\$1,050,724,150</b>	<b>\$1,049,659,845</b>	<b>\$1,049,659,845</b>	<b>\$1,049,659,845</b>	<b>\$1,049,659,845</b>
17	Deemed Equity Portion of Rate Base	\$420,289,660	\$420,289,660	\$419,863,938	\$419,863,938	\$419,863,938	\$419,863,938
18	Income/(Equity Portion of Rate Base)	1.04%	9.30%	1.07%	9.30%	1.07%	9.30%
19	Target Return - Equity on Rate Base	9.30%	9.30%	9.30%	9.30%	9.30%	9.30%
20	Deficiency/Sufficiency in Return on Equity	-8.26%	0.00%	-8.23%	0.00%	-8.23%	0.00%
21	Indicated Rate of Return	2.84%	6.14%	2.85%	6.14%	2.85%	6.14%
22	Requested Rate of Return on Rate Base	6.14%	6.14%	6.14%	6.14%	6.14%	6.14%
23	Deficiency/Sufficiency in Rate of Return	-3.30%	0.00%	-3.29%	0.00%	-3.29%	0.00%
24	Target Return on Equity	\$39,086,938	\$39,086,938	\$39,047,346	\$39,047,346	\$39,047,346	\$39,047,346
25	Revenue Deficiency/(Sufficiency)	\$34,719,321	\$0	\$34,560,282	(\$2)	\$34,560,282	(\$2)
26	<b>Gross Revenue Deficiency/(Sufficiency)</b>	<b>\$47,145,922 (1)</b>		<b>\$47,020,792 (1)</b>		<b>\$47,020,792 (1)</b>	

### Notes:

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Revenue Requirement

Line No.	Particulars	Application				Per Board Decision	
1	OM&A Expenses	\$93,565,672		\$93,565,672		\$93,565,672	
2	Amortization/Depreciation	\$48,948,694		\$48,823,718		\$48,823,718	
3	Property Taxes	\$2,297,762		\$2,297,762		\$2,297,762	
5	Income Taxes (Grossed up)	\$8,472,655		\$8,540,034		\$8,540,034	
6	Other Expenses	\$ -					
7	Return						
	Deemed Interest Expense	\$25,444,336		\$25,418,563		\$25,418,563	
	Return on Deemed Equity	\$39,086,938		\$39,047,346		\$39,047,346	
8	<b>Service Revenue Requirement (before Revenues)</b>	<u>\$217,816,057</u>		<u>\$217,693,095</u>		<u>\$217,693,095</u>	
9	Revenue Offsets	<u>\$11,801,959</u>		<u>\$11,801,959</u>		<u>\$ -</u>	
10	<b>Base Revenue Requirement (excluding Tranformer Owership Allowance credit adjustment)</b>	<u>\$206,014,098</u>		<u>\$205,891,136</u>		<u>\$217,693,095</u>	
11	Distribution revenue	\$206,014,098	(2)	\$205,891,134	(3)	\$205,891,134	
12	Other revenue	<u>\$11,801,959</u>		<u>\$11,801,959</u>		<u>\$11,801,959</u>	
13	<b>Total revenue</b>	<u>\$217,816,057</u>		<u>\$217,693,093</u>		<u>\$217,693,093</u>	
14	<b>Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)</b>	<u>\$0</u>	(1)	<u>(\$2)</u>	(1)	<u>(\$2)</u>	(1)

### Notes

- (1) Line 11 - Line 8  
(2) Distribution Revenue not including Transformer Ownership Allowance, Total Revenue Requirement is \$207,120,495  
(3) Distribution Revenue not including Transformer Ownership Allowance, Total Revenue Requirement is \$206,997,531



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Tracking Form

The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.) Please ensure a Reference (Column B) and/or Item Description (Column C) is entered. Please note that unused rows will automatically be hidden and the PRINT AREA set when the PRINT BUTTON on Sheet 1 is activated.

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

<sup>(2)</sup> Short description of change, issue, etc.

60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ [IndustryRelations@ontarioenergyboard.ca](mailto:IndustryRelations@ontarioenergyboard.ca).

## Summary of Proposed Changes

Reference <sup>(1)</sup>	Item / Description <sup>(2)</sup>	Cost of Capital		Rate Base and Capital Expenditures			Operating Expenses			Revenue Requirement			
		Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	Grossed up Revenue Deficiency / Sufficiency
	Original Application	\$ 64,531,274	6.14%	\$1,050,724,150	\$1,024,597,022	\$ 145,492,777	\$ 48,948,694	\$ 8,472,655	\$ 93,565,672	\$ 217,816,057	\$ 11,801,959	\$ 206,014,098	\$ 47,145,922
1 2020 Year		\$ 64,531,274	6.14%	\$1,050,724,150	\$1,024,597,022	\$ 145,492,777	\$ 48,948,694	\$ 8,472,655	\$ 93,565,672	\$ 217,816,057	\$ 11,801,959	\$ 206,014,098	\$ 47,145,922



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers



Version 5.00

Utility Name	Hydro Ottawa Limited
Service Territory	
Assigned EB Number	EB-2015-0004 (Year 2020)
Name and Title	April Barrie; Manager, Rates and Revenue
Phone Number	613-738-5499, ext 106
Email Address	RegulatoryAffairs@HydroOttawa.com

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Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

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## Notes:

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Data Input <sup>(1)</sup>

	Initial Application	(2)		(6)		Per Board Decision
<b>1</b>	<b>Rate Base</b>					
	Gross Fixed Assets (average)	\$1,221,017,793		\$1,216,929,106	###	\$1,216,929,106
	Accumulated Depreciation (average)	(\$275,019,996)	(5)	(\$271,866,111)	###	(\$271,866,111)
	Allowance for Working Capital:					
	Controllable Expenses	\$98,974,203		\$98,974,203		\$98,974,203
	Cost of Power	\$945,198,501		\$945,198,501		\$945,198,501
	Working Capital Rate (%)	14.20%	(9)	14.20%	(9)	14.20% (9)
<b>2</b>	<b>Utility Income</b>					
	Operating Revenues:					
	Distribution Revenue at Current Rates	\$159,356,002	(10)	\$159,358,169	###	
	Distribution Revenue at Proposed Rates	\$212,531,699	(11)	\$212,407,364		
	Other Revenue:					
	Specific Service Charges	\$6,064,123		\$6,064,123		
	Late Payment Charges	\$720,000		\$720,000		
	Other Distribution Revenue	\$1,529,669		\$1,529,669		
	Other Income and Deductions	\$3,584,041		\$3,584,041		
	Total Revenue Offsets	\$11,897,833	(7)	\$11,897,833		
	Operating Expenses:					
	OM+A Expenses	\$96,601,878		\$96,601,878		\$96,601,878
	Depreciation/Amortization	\$50,294,804		\$50,160,773		\$50,160,773
	Property taxes	\$2,372,325		\$2,372,325		\$2,372,325
	Other expenses					
<b>3</b>	<b>Taxes/PILs</b>					
	Taxable Income:					
		(\$18,604,719)	(3)	(\$18,994,322)	14	
	Adjustments required to arrive at taxable income					
	Utility Income Taxes and Rates:					
	Income taxes (not grossed up)	\$5,588,566		\$5,626,106	###	
	Income taxes (grossed up)	\$7,587,145		\$7,654,566		
	Federal tax (%)	15.00%		15.00%		
	Provincial tax (%)	11.34%		11.50%		
	Income Tax Credits	(\$233,500)		(\$118,500)		
<b>4</b>	<b>Capitalization/Cost of Capital</b>					
	Capital Structure:					
	Long-term debt Capitalization Ratio (%)	56.0%		56.0%		
	Short-term debt Capitalization Ratio (%)	4.0%	(8)	4.0%	(8)	(8)
	Common Equity Capitalization Ratio (%)	40.0%		40.0%		
	Preferred Shares Capitalization Ratio (%)	0.0%		0.0%		
		100.0%		100.0%		
	Cost of Capital					
	Long-term debt Cost Rate (%)	4.23%		4.23%		
	Short-term debt Cost Rate (%)	2.16%		2.16%		
	Common Equity Cost Rate (%)	9.30%		9.30%		
	Preferred Shares Cost Rate (%)	0.00%		0.00%		

## Notes:

- General** Data inputs are required on Sheets 3. Data from Sheet 3 will automatically complete calculations on sheets 4 through 9 (Rate Base through Revenue Requirement). Sheets 4 through 9 do not require any inputs except for notes that the Applicant may wish to enter to support the results. Pale green cells are available on sheets 4 through 9 to enter both footnotes beside key cells and the related text for the notes at the bottom of each sheet.
- (1) All inputs are in dollars (\$) except where inputs are individually identified as percentages (%)
- (2) Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I
- (3) Net of addbacks and deductions to arrive at taxable income.
- (4) Average of Gross Fixed Assets at beginning and end of the Test Year
- (5) Average of Accumulated Depreciation at the beginning and end of the Test Year. Enter as a negative amount.
- (6) Select option from drop-down list by clicking on cell M10. This column allows for the application update reflecting the end of discovery or Argument-in-Chief. Also, the outcome of any Settlement Process can be reflected.
- (7) Input total revenue offsets for deriving the base revenue requirement from the service revenue requirement
- (8) 4.0% unless an Applicant has proposed or been approved for another amount.
- (9) Starting with 2013, default Working Capital Allowance factor is 13% (of Cost of Power plus controllable expenses). Alternatively, WCA factor based on lead-lag study or approved WCA factor for another distributor, with supporting rationale.
- (10) Revenue at current rates minus Transformer Ownership Allowance
- (11) Distribution Revenue not including Transformer Ownership Allowance, Total Revenue Requirement is \$213,637,062
- (12) Gross Fixed Assets (average) and Accumulated Depreciation (average) - Updated for 2014 Actuals and flow through 2016 through 2020
- (13) Correction - To include Sentinel Light Variable Charge
- (14) PILs - Update per (12); Ontario Apprenticeship Tax Credit program legislative changes; Ontario Small Business Deduction Correction; Charitable Contributions Correction



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Rate Base and Working Capital

Rate Base										
Line No.	Particulars		Initial Application						Per Board Decision	
1	Gross Fixed Assets (average)	(3)	\$1,221,017,793		(\$4,088,687)		\$1,216,929,106		\$ -	\$1,216,929,106
2	Accumulated Depreciation (average)	(3)	(\$275,019,996)		\$3,153,885		(\$271,866,111)		\$ -	(\$271,866,111)
3	Net Fixed Assets (average)	(3)	\$945,997,797		(\$934,802)		\$945,062,995		\$ -	\$945,062,995
4	Allowance for Working Capital	(1)	\$148,272,524		\$ -		\$148,272,524		\$ -	\$148,272,524
5	Total Rate Base		\$1,094,270,321		(\$934,802)		\$1,093,335,519		\$ -	\$1,093,335,519

### (1) Allowance for Working Capital - Derivation

6	Controllable Expenses	\$98,974,203	\$ -	\$98,974,203	\$ -	\$98,974,203
7	Cost of Power	\$945,198,501	\$ -	\$945,198,501	\$ -	\$945,198,501
8	Working Capital Base	\$1,044,172,704	\$ -	\$1,044,172,704	\$ -	\$1,044,172,704
9	Working Capital Rate % (2)	14.20%	0.00%	14.20%	0.00%	14.20%
10	Working Capital Allowance	\$148,272,524	\$ -	\$148,272,524	\$ -	\$148,272,524

#### Notes

- (2) Some Applicants may have a unique rate as a result of a lead-lag study. The default rate for 2014 cost of service applications is 13%.  
(3) Average of opening and closing balances for the year.



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Utility Income

Line No.	Particulars	Initial Application					Per Board Decision
	<b>Operating Revenues:</b>						
1	Distribution Revenue (at Proposed Rates)	\$212,531,699		(\$124,335)	\$212,407,364	\$ -	\$212,407,364
2	Other Revenue	(1) \$11,897,833		\$ -	\$11,897,833	\$ -	\$11,897,833
3	Total Operating Revenues	\$224,429,532		(\$124,335)	\$224,305,197	\$ -	\$224,305,197
	<b>Operating Expenses:</b>						
4	OM+A Expenses	\$96,601,878		\$ -	\$96,601,878	\$ -	\$96,601,878
5	Depreciation/Amortization	\$50,294,804		(\$134,031)	\$50,160,773	\$ -	\$50,160,773
6	Property taxes	\$2,372,325		\$ -	\$2,372,325	\$ -	\$2,372,325
7	Capital taxes	\$ -		\$ -	\$ -	\$ -	\$ -
8	Other expense	\$ -		\$ -	\$ -	\$ -	\$ -
9	Subtotal (lines 4 to 8)	\$149,269,006		(\$134,031)	\$149,134,976	\$ -	\$149,134,976
10	Deemed Interest Expense	\$26,866,525		(\$22,951)	\$26,843,574	\$ -	\$26,843,574
11	Total Expenses (lines 9 to 10)	\$176,135,531		(\$156,982)	\$175,978,549	\$ -	\$175,978,549
12	Utility income before income taxes	\$48,294,001		\$32,647	\$48,326,648	\$ -	\$48,326,648
13	Income taxes (grossed-up)	\$7,587,145		\$67,421	\$7,654,566	\$ -	\$7,654,566
14	Utility net income	\$40,706,856		(\$34,774)	\$40,672,082	\$ -	\$40,672,082

## Notes

### Other Revenues / Revenue Offsets

(1)	Specific Service Charges	\$6,064,123		\$ -	\$6,064,123		\$6,064,123
	Late Payment Charges	\$720,000		\$ -	\$720,000		\$720,000
	Other Distribution Revenue	\$1,529,669		\$ -	\$1,529,669		\$1,529,669
	Other Income and Deductions	\$3,584,041		\$ -	\$3,584,041		\$3,584,041
	Total Revenue Offsets	\$11,897,833		\$ -	\$11,897,833	\$ -	\$11,897,833





Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Taxes/PILs

Line No.	Particulars	Application		Per Board Decision	
<u>Determination of Taxable Income</u>					
1	Utility net income before taxes	\$40,706,856		\$40,672,081	
2	Adjustments required to arrive at taxable utility income	(\$18,604,719)		(\$18,994,322)	
3	Taxable income	<u>\$22,102,137</u>		<u>\$21,677,759</u>	
<u>Calculation of Utility income Taxes</u>					
4	Income taxes	\$5,588,566		\$5,626,106	
6	Total taxes	<u>\$5,588,566</u>		<u>\$5,626,106</u>	
7	Gross-up of Income Taxes	\$1,998,579		\$2,028,460	
8	Grossed-up Income Taxes	<u>\$7,587,145</u>		<u>\$7,654,566</u>	
9	PILs / tax Allowance (Grossed-up Income taxes + Capital taxes)	<u>\$7,587,145</u>		<u>\$7,654,566</u>	
10	Other tax Credits	(\$233,500)		(\$118,500)	
<u>Tax Rates</u>					
11	Federal tax (%)	15.00%		15.00%	
12	Provincial tax (%)	11.34%		11.50%	
13	Total tax rate (%)	<u>26.34%</u>		<u>26.50%</u>	

## Notes



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Capitalization/Cost of Capital

Line No.	Particulars	Capitalization Ratio		Cost Rate	Return
Initial Application					
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$612,791,380	4.23%	\$25,921,075
2	Short-term Debt	4.00%	\$43,770,813	2.16%	\$945,450
3	Total Debt	60.00%	\$656,562,192	4.09%	\$26,866,525
Equity					
4	Common Equity	40.00%	\$437,708,128	9.30%	\$40,706,856
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$437,708,128	9.30%	\$40,706,856
7	Total	100.00%	\$1,094,270,321	6.18%	\$67,573,381
Per Board Decision					
		(%)	(\$)	(%)	(\$)
	Debt				
1	Long-term Debt	56.00%	\$612,267,890	4.23%	\$25,898,932
2	Short-term Debt	4.00%	\$43,733,421	2.16%	\$944,642
3	Total Debt	60.00%	\$656,001,311	4.09%	\$26,843,574
	Equity				
4	Common Equity	40.00%	\$437,334,207	9.30%	\$40,672,081
5	Preferred Shares	0.00%	\$ -	0.00%	\$ -
6	Total Equity	40.00%	\$437,334,207	9.30%	\$40,672,081
7	Total	100.00%	\$1,093,335,519	6.18%	\$67,515,655
Per Board Decision					
		(%)	(\$)	(%)	(\$)
	Debt				
8	Long-term Debt	56.00%	\$612,267,890	4.23%	\$25,898,932
9	Short-term Debt	4.00%	\$43,733,421	2.16%	\$944,642
10	Total Debt	60.00%	\$656,001,311	4.09%	\$26,843,574
	Equity				
11	Common Equity	40.00%	\$437,334,207	9.30%	\$40,672,081
12	Preferred Shares	0.00%	\$ -	0.00%	\$ -
13	Total Equity	40.00%	\$437,334,207	9.30%	\$40,672,081
14	Total	100.00%	\$1,093,335,519	6.18%	\$67,515,655

### Notes

(1) Data in column E is for Application as originally filed. For updated revenue requirement as a result of interrogatory responses, technical or settlement conferences, etc., use column M and Adjustments in column I



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Revenue Deficiency/Sufficiency

Line No.	Particulars	Initial Application		Per Board Decision		Per Board Decision	
		At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates	At Current Approved Rates	At Proposed Rates
1	Revenue Deficiency from Below		\$53,175,698		\$53,049,195		\$53,049,195
2	Distribution Revenue	\$159,356,002	\$159,356,002	\$159,358,169	\$159,358,169	\$159,358,169	\$159,358,169
3	Other Operating Revenue	\$11,897,833	\$11,897,833	\$11,897,833	\$11,897,833	\$11,897,833	\$11,897,833
4	Offsets - net						
4	<b>Total Revenue</b>	<b>\$171,253,835</b>	<b>\$224,429,532</b>	<b>\$171,256,002</b>	<b>\$224,305,197</b>	<b>\$171,256,002</b>	<b>\$224,305,197</b>
5	Operating Expenses	\$149,269,006	\$149,269,006	\$149,134,976	\$149,134,976	\$149,134,976	\$149,134,976
6	Deemed Interest Expense	\$26,866,525	\$26,866,525	\$26,843,574	\$26,843,574	\$26,843,574	\$26,843,574
8	<b>Total Cost and Expenses</b>	<b>\$176,135,531</b>	<b>\$176,135,531</b>	<b>\$175,978,549</b>	<b>\$175,978,549</b>	<b>\$175,978,549</b>	<b>\$175,978,549</b>
9	<b>Utility Income Before Income Taxes</b>	<b>(\$4,881,697)</b>	<b>\$48,294,001</b>	<b>(\$4,722,547)</b>	<b>\$48,326,648</b>	<b>(\$4,722,547)</b>	<b>\$48,326,648</b>
10	Tax Adjustments to Accounting Income per 2013 PILs model	(\$18,604,719)	(\$18,604,719)	(\$18,994,322)	(\$18,994,322)	(\$18,994,322)	(\$18,994,322)
11	<b>Taxable Income</b>	<b>(\$23,486,415)</b>	<b>\$29,689,282</b>	<b>(\$23,716,869)</b>	<b>\$29,332,326</b>	<b>(\$23,716,869)</b>	<b>\$29,332,326</b>
12	Income Tax Rate	26.34%	26.34%	26.50%	26.50%	26.50%	26.50%
13	<b>Income Tax on Taxable Income</b>	<b>(\$6,186,708)</b>	<b>\$7,820,645</b>	<b>(\$6,284,970)</b>	<b>\$7,773,066</b>	<b>(\$6,284,970)</b>	<b>\$7,773,066</b>
14	<b>Income Tax Credits</b>	<b>(\$233,500)</b>	<b>(\$233,500)</b>	<b>(\$118,500)</b>	<b>(\$118,500)</b>	<b>(\$118,500)</b>	<b>(\$118,500)</b>
15	<b>Utility Net Income</b>	<b>\$1,538,511</b>	<b>\$40,706,856</b>	<b>\$1,680,923</b>	<b>\$40,672,082</b>	<b>\$1,680,923</b>	<b>\$40,672,082</b>
16	<b>Utility Rate Base</b>	<b>\$1,094,270,321</b>	<b>\$1,094,270,321</b>	<b>\$1,093,335,519</b>	<b>\$1,093,335,519</b>	<b>\$1,093,335,519</b>	<b>\$1,093,335,519</b>
17	Deemed Equity Portion of Rate Base	\$437,708,128	\$437,708,128	\$437,334,207	\$437,334,207	\$437,334,207	\$437,334,207
18	Income/(Equity Portion of Rate Base)	0.35%	9.30%	0.38%	9.30%	0.38%	9.30%
19	Target Return - Equity on Rate Base	9.30%	9.30%	9.30%	9.30%	9.30%	9.30%
20	Deficiency/Sufficiency in Return on Equity	-8.95%	0.00%	-8.92%	0.00%	-8.92%	0.00%
21	Indicated Rate of Return	2.60%	6.18%	2.61%	6.18%	2.61%	6.18%
22	Requested Rate of Return on Rate Base	6.18%	6.18%	6.18%	6.18%	6.18%	6.18%
23	Deficiency/Sufficiency in Rate of Return	-3.58%	0.00%	-3.57%	0.00%	-3.57%	0.00%
24	Target Return on Equity	\$40,706,856	\$40,706,856	\$40,672,081	\$40,672,081	\$40,672,081	\$40,672,081
25	Revenue Deficiency/(Sufficiency)	\$39,168,345	\$0	\$38,991,158	\$1	\$38,991,158	\$1
26	<b>Gross Revenue</b>	<b>\$53,175,698</b>	<b>\$53,175,698</b>	<b>\$53,049,195</b>	<b>\$53,049,195</b>	<b>\$53,049,195</b>	<b>\$53,049,195</b>
	<b>Deficiency/(Sufficiency)</b>		<b>(1)</b>		<b>(1)</b>		<b>(1)</b>

### Notes:

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



Ontario Energy Board

# Revenue Requirement Workform (RRWF) for 2015 Filers

## Revenue Requirement

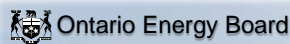
Line No.	Particulars	Application		Per Board Decision	
1	OM&A Expenses	\$96,601,878		\$96,601,878	
2	Amortization/Depreciation	\$50,294,804		\$50,160,773	
3	Property Taxes	\$2,372,325		\$2,372,325	
5	Income Taxes (Grossed up)	\$7,587,145		\$7,654,566	
6	Other Expenses	\$ -			
7	Return				
	Deemed Interest Expense	\$26,866,525		\$26,843,574	
	Return on Deemed Equity	\$40,706,856		\$40,672,081	
8	<b>Service Revenue Requirement (before Revenues)</b>	<u>\$224,429,532</u>		<u>\$224,305,196</u>	
9	Revenue Offsets	\$11,897,833		\$ -	
10	<b>Base Revenue Requirement (excluding Transformer Ownership Allowance credit adjustment)</b>	<u>\$212,531,699</u>		<u>\$212,407,363</u>	
11	Distribution revenue	\$212,531,699	(2)	\$212,407,364	(3)
12	Other revenue	\$11,897,833		\$11,897,833	
13	<b>Total revenue</b>	<u>\$224,429,532</u>		<u>\$224,305,197</u>	
14	<b>Difference (Total Revenue Less Distribution Revenue Requirement before Revenues)</b>	<u>\$0</u>	<b>(1)</b>	<u>\$1</u>	<b>(1)</b>

### Notes

(1) Line 11 - Line 8

(2) Distribution Revenue not including Transformer Ownership Allowance, Total Revenue Requirement is \$213,637,062

(3) Distribution Revenue not including Transformer Ownership Allowance, Total Revenue Requirement is \$213,512,726



## Revenue Requirement Workform (RRWF) for 2015 Filers

### Tracking Form

The last row shown is the most current estimate of the cost of service data reflecting the original application and any updates provided by the applicant distributor (for updated evidence, responses to interrogatories, undertakings, etc.)

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

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

<sup>(2)</sup> Short description of change, issue, etc.

60 Tracking Rows have been provided below. If you require more, please contact Industry Relations @ [IndustryRelations@ontarioenergyboard.ca](mailto:IndustryRelations@ontarioenergyboard.ca).

### Summary of Proposed Changes

Reference <sup>(1)</sup>	Item / Description <sup>(2)</sup>	Cost of Capital		Rate Base and Capital Expenditures			Operating Expenses			Revenue Requirement			
		Regulated Return on Capital	Regulated Rate of Return	Rate Base	Working Capital	Working Capital Allowance (\$)	Amortization / Depreciation	Taxes/PILs	OM&A	Service Revenue Requirement	Other Revenues	Base Revenue Requirement	Grossed up Revenue Deficiency / Sufficiency
	Original Application	\$ 67,573,381	6.18%	\$1,094,270,321	\$1,044,172,704	\$ 148,272,524	\$ 50,294,804	\$ 7,587,145	\$ 96,601,878	\$ 224,429,532	\$ 11,897,833	\$ 212,531,699	\$ 53,175,698
1 2020 Year		\$ 67,573,381	6.18%	\$1,094,270,321	\$1,044,172,704	\$ 148,272,524	\$ 50,294,804	\$ 7,587,145	\$ 96,601,878	\$ 224,429,532	\$ 11,897,833	\$ 224,429,532	\$ 53,175,698



# 2016 RTSR Workform for Electricity Distributors

Drop-down lists are shaded blue; Input cells are shaded green.

Utility Name	Hydro Ottawa Limited
Service Territory	
Assigned EB Number	EB-2015-0004
Name and Title	April Barrie; Manager, Rates and Revenue
Phone Number	613-738-5499, ext 106
Email Address	RegulatoryAffairs@HydroOttawa.com
Date	10-Aug-15
Last COS Re-based Year	2012

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



Ontario Energy Board

v 4.0

# 2016 RTSR Workform for Electricity Distributors

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# 2016 RTSR Workform for Electricity Distributors

- [illegible]





# 2016 RTSR Workform for Electricity Distributors

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor <i>eg: (1.0325)</i>	Loss Adjusted Billed kWh
Residential	RTSR - Network	kWh	0.0077	2,241,029,046		1.0334	2,315,879,416
Residential	RTSR - Connection	kWh	0.0042	2,241,029,046		1.0334	2,315,879,416
General Service Less Than 50 kW	RTSR - Network	kWh	0.0070	714,938,854		1.0334	738,817,811
General Service Less Than 50 kW	RTSR - Connection	kWh	0.0040	714,938,854		1.0334	738,817,811
General Service 50 to 1,499 kW	RTSR - Network	kW	2.9072	2,925,639,578	7,052,272		
General Service 50 to 1,499 kW	RTSR - Connection	kW	1.6232	2,925,639,578	7,052,272		
General Service 1,500 to 4,999 kW	RTSR - Network	kW	3.0186	872,269,484	1,874,998		
General Service 1,500 to 4,999 kW	RTSR - Connection	kW	1.7347	872,269,484	1,874,998		
Large Use > 5000 kW	RTSR - Network	kW	3.3462	607,320,659	1,117,860		
Large Use > 5000 kW	RTSR - Connection	kW	1.9535	607,320,659	1,117,860		
Unmetered Scattered Load	RTSR - Network	kWh	0.0070	16,412,499		1.0334	16,960,677
Unmetered Scattered Load	RTSR - Connection	kWh	0.0040	16,412,499		1.0334	16,960,677
Sentinel Lighting	RTSR - Network	kW	2.1461	50,344	175		
Sentinel Lighting	RTSR - Connection	kW	1.2058	50,344	175		
Street Lighting	RTSR - Network	kW	2.1570	44,363,900	122,870		
Street Lighting	RTSR - Connection	kW	1.2310	44,363,900	122,870		

# 2016 RTSR Workform for Electricity Distributors

Uniform Transmission Rates	Unit	Effective January 1, 2014	Effective January 1, 2015	Effective January 1, 2016
<b>Rate Description</b>		<b>Rate</b>	<b>Rate</b>	<b>Rate</b>
Network Service Rate	kW	\$ 3.82	\$ 3.78	\$ 3.78
Line Connection Service Rate	kW	\$ 0.82	\$ 0.86	\$ 0.86
Transformation Connection Service Rate	kW	\$ 1.98	\$ 2.00	\$ 2.00

Hydro One Sub-Transmission Rates	Unit	Effective January 1, 2014 to April 30, 2015	Effective May 1, 2015	Effective January 1, 2016
<b>Rate Description</b>		<b>Rate</b>	<b>Rate</b>	<b>Rate</b>
Network Service Rate	kW	\$ 3.23	\$ 3.41	\$ 3.41
Line Connection Service Rate	kW	\$ 0.65	\$ 0.79	\$ 0.79
Transformation Connection Service Rate	kW	\$ 1.62	\$ 1.80	\$ 1.80
Both Line and Transformation Connection Service Rate	kW	\$ 2.27	\$ 2.59	\$ 2.59

If needed, add extra host here. (I)	Unit	Effective January 1, 2014	Effective January 1, 2015	Effective January 1, 2016
<b>Rate Description</b>		<b>Rate</b>	<b>Rate</b>	<b>Rate</b>
Network Service Rate	kW			
Line Connection Service Rate	kW			
Transformation Connection Service Rate	kW			
Both Line and Transformation Connection Service Rate	kW	\$ -	\$ -	\$ -

If needed, add extra host here. (II)	Unit	Effective January 1, 2014	Effective January 1, 2015	Effective January 1, 2016
<b>Rate Description</b>		<b>Rate</b>	<b>Rate</b>	<b>Rate</b>
Network Service Rate	kW			
Line Connection Service Rate	kW			
Transformation Connection Service Rate	kW			
Both Line and Transformation Connection Service Rate	kW	\$ -	\$ -	\$ -

Hydro One Sub-Transmission Rate Rider 9A	Unit	Effective January 1, 2014	Effective January 1, 2015	Effective January 1, 2016
<b>Rate Description</b>		<b>Rate</b>	<b>Rate</b>	<b>Rate</b>
RSVA Transmission network – 4714 – which affects 1584	kW	\$ 0.1465	\$ -	\$ -
RSVA Transmission connection – 4716 – which affects 1586	kW	\$ 0.0667	\$ -	\$ -
RSVA LV – 4750 – which affects 1550	kW	\$ 0.0475	\$ -	\$ -
RARA 1 – 2252 – which affects 1590	kW	\$ 0.0419	\$ -	\$ -
RARA 1 – 2252 – which affects 1590 (2008)	kW	-\$ 0.0270	\$ -	\$ -
RARA 1 – 2252 – which affects 1590 (2009)	kW	-\$ 0.0006	\$ -	\$ -
Hydro One Sub-Transmission Rate Rider 9A	kW	\$ 0.2750	\$ -	\$ -

<b>Low Voltage Switchgear Credit (if applicable, enter as a negative value)</b>	\$	<b>Historical 2014</b>	<b>Current 2015</b>	<b>Forecast 2016</b>



# 2016 RTSR Workform for Electricity Distributors

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Sheet "4. RRR Data". For Hydro One Sub-transmission Rates, if you are charged a *combined* Line and Transformer connection rate, please ensure that both the line connection and transformer connection columns are completed.

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	1,152,521	\$3.82	4,402,630	1,156,981	\$0.82	948,724	952,321	\$1.98	1,885,596	\$ 2,834,320
February	1,080,203	\$3.82	4,126,375	1,074,638	\$0.82	881,203	896,455	\$1.98	1,774,981	\$ 2,656,184
March	1,101,110	\$3.82	4,206,240	1,081,071	\$0.82	886,478	880,307	\$1.98	1,743,008	\$ 2,629,486
April	941,605	\$3.82	3,596,931	929,880	\$0.82	762,502	753,412	\$1.98	1,491,756	\$ 2,254,257
May	910,523	\$3.82	3,478,198	969,977	\$0.82	795,381	764,830	\$1.98	1,514,363	\$ 2,309,745
June	1,234,331	\$3.82	4,715,144	1,190,425	\$0.82	976,149	899,714	\$1.98	1,781,434	\$ 2,757,582
July	1,241,574	\$3.82	4,742,813	1,235,769	\$0.82	1,013,331	915,458	\$1.98	1,812,607	\$ 2,825,937
August	1,206,709	\$3.82	4,609,628	1,180,164	\$0.82	967,734	910,292	\$1.98	1,802,378	\$ 2,770,113
September	1,090,453	\$3.82	4,165,530	1,155,978	\$0.82	947,902	888,941	\$1.98	1,760,103	\$ 2,708,005
October	915,763	\$3.82	3,498,215	935,633	\$0.82	767,219	751,912	\$1.98	1,488,786	\$ 2,256,005
November	1,047,714	\$3.82	4,002,267	1,029,096	\$0.82	843,859	814,386	\$1.98	1,612,484	\$ 2,456,343
December	1,110,554	\$3.82	4,242,316	1,095,072	\$0.82	897,959	860,451	\$1.98	1,703,693	\$ 2,601,652
<b>Total</b>	13,033,060	\$ 3.82	\$ 49,786,289	13,034,684	\$ 0.82	\$ 10,688,441	10,288,479	\$ 1.98	\$ 20,371,188	\$ 31,059,629



# 2016 RTSR Workform for Electricity Distributors

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Sheet "4. RRR Data".  
For Hydro One Sub-transmission Rates, if you are charged a *combined* Line and Transformer connection rate, please ensure that both the line connection and transformer connection columns are completed.

Hydro One				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount			
January	87,232	\$3.23	\$ 281,761	5,240	\$0.65	\$ 3,406	87,657	\$1.62	\$ 142,004	\$	145,409		
February	71,350	\$3.23	\$ 230,461	4,843	\$0.65	\$ 3,148	70,609	\$1.62	\$ 114,387	\$	117,535		
March	63,863	\$3.23	\$ 206,277	4,588	\$0.65	\$ 2,982	67,055	\$1.62	\$ 108,628	\$	111,611		
April	60,043	\$3.23	\$ 193,937	3,735	\$0.65	\$ 2,428	62,243	\$1.62	\$ 100,834	\$	103,262		
May	80,006	\$3.23	\$ 258,420	3,568	\$0.65	\$ 2,319	79,869	\$1.62	\$ 129,388	\$	131,707		
June	84,573	\$3.23	\$ 273,172	3,989	\$0.65	\$ 2,593	83,871	\$1.62	\$ 135,871	\$	138,464		
July	84,834	\$3.23	\$ 274,013	4,004	\$0.65	\$ 2,603	84,140	\$1.62	\$ 136,307	\$	138,910		
August	83,415	\$3.23	\$ 269,431	3,794	\$0.65	\$ 2,466	83,032	\$1.62	\$ 134,511	\$	136,978		
September	65,958	\$3.23	\$ 213,043	3,332	\$0.65	\$ 2,166	68,900	\$1.62	\$ 111,618	\$	113,784		
October	78,684	\$3.23	\$ 254,150	5,195	\$0.65	\$ 3,377	81,460	\$1.62	\$ 131,965	\$	135,341		
November	83,772	\$3.23	\$ 270,585	5,589	\$0.65	\$ 3,633	83,403	\$1.62	\$ 135,112	\$	138,746		
December	86,655	\$3.23	\$ 279,896	5,109	\$0.65	\$ 3,321	85,862	\$1.62	\$ 139,097	\$	142,418		
<b>Total</b>	930,386	\$ 3.23	\$ 3,005,146	52,987	\$ 0.65	\$ 34,442	938,100	\$ 1.62	\$ 1,519,721	\$	1,554,163		



# 2016 RTSR Workform for Electricity Distributors

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Sheet "4. RRR Data".  
For Hydro One Sub-transmission Rates, if you are charged a *combined* Line and Transformer connection rate, please ensure that both the line connection and transformer connection columns are completed.

Add Extra Host Here (I) (if needed)		Network			Line Connection			Transformation Connection			Total Line	
Month	Units Billed	Rate	Amount		Units Billed	Rate	Amount		Units Billed	Rate	Amount	
January		\$0.00				\$0.00				\$0.00		
February		\$0.00				\$0.00				\$0.00		
March		\$0.00				\$0.00				\$0.00		
April		\$0.00				\$0.00				\$0.00		
May		\$0.00				\$0.00				\$0.00		
June		\$0.00				\$0.00				\$0.00		
July		\$0.00				\$0.00				\$0.00		
August		\$0.00				\$0.00				\$0.00		
September		\$0.00				\$0.00				\$0.00		
October		\$0.00				\$0.00				\$0.00		
November		\$0.00				\$0.00				\$0.00		
December		\$0.00				\$0.00				\$0.00		
Total	-	\$	-	\$	-	-	\$	-	-	\$	-	\$



# 2016 RTSR Workform for Electricity Distributors

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Sheet "4. RRR Data".  
For Hydro One Sub-transmission Rates, if you are charged a *combined* Line and Transformer connection rate, please ensure that both the line connection and transformer connection columns are completed.

Add Extra Host Here (II) (if needed)		Network			Line Connection			Transformation Connection			Total Line	
Month	Units Billed	Rate	Amount		Units Billed	Rate	Amount		Units Billed	Rate	Amount	
January		\$0.00				\$0.00				\$0.00		
February		\$0.00				\$0.00				\$0.00		
March		\$0.00				\$0.00				\$0.00		
April		\$0.00				\$0.00				\$0.00		
May		\$0.00				\$0.00				\$0.00		
June		\$0.00				\$0.00				\$0.00		
July		\$0.00				\$0.00				\$0.00		
August		\$0.00				\$0.00				\$0.00		
September		\$0.00				\$0.00				\$0.00		
October		\$0.00				\$0.00				\$0.00		
November		\$0.00				\$0.00				\$0.00		
December		\$0.00				\$0.00				\$0.00		
Total	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$



# 2016 RTSR Workform for Electricity Distributors

Total				Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount			
January	1,239,753	\$3.78	\$ 4,684,391	1,162,221	\$0.82	\$ 952,130	1,039,978	\$1.95	\$ 2,027,599	\$ 2,979,729			
February	1,151,553	\$3.78	\$ 4,356,836	1,079,481	\$0.82	\$ 884,351	967,064	\$1.95	\$ 1,889,367	\$ 2,773,719			
March	1,164,973	\$3.79	\$ 4,412,517	1,085,659	\$0.82	\$ 889,461	947,362	\$1.95	\$ 1,851,636	\$ 2,741,097			
April	1,001,648	\$3.78	\$ 3,790,868	933,615	\$0.82	\$ 764,929	815,655	\$1.95	\$ 1,592,590	\$ 2,357,519			
May	990,529	\$3.77	\$ 3,736,618	973,545	\$0.82	\$ 797,700	844,699	\$1.95	\$ 1,643,751	\$ 2,441,451			
June	1,318,904	\$3.78	\$ 4,988,316	1,194,414	\$0.82	\$ 978,741	983,585	\$1.95	\$ 1,917,305	\$ 2,896,046			
July	1,326,408	\$3.78	\$ 5,016,826	1,239,773	\$0.82	\$ 1,015,933	999,598	\$1.95	\$ 1,948,914	\$ 2,964,847			
August	1,290,124	\$3.78	\$ 4,879,059	1,183,958	\$0.82	\$ 970,201	993,324	\$1.95	\$ 1,936,889	\$ 2,907,090			
September	1,156,411	\$3.79	\$ 4,378,574	1,159,310	\$0.82	\$ 950,068	957,841	\$1.95	\$ 1,871,721	\$ 2,821,789			
October	994,447	\$3.77	\$ 3,752,365	940,828	\$0.82	\$ 770,596	833,372	\$1.94	\$ 1,620,750	\$ 2,391,346			
November	1,131,486	\$3.78	\$ 4,272,852	1,034,685	\$0.82	\$ 847,492	897,789	\$1.95	\$ 1,747,597	\$ 2,595,089			
December	1,197,209	\$3.78	\$ 4,522,213	1,100,181	\$0.82	\$ 901,280	946,313	\$1.95	\$ 1,842,790	\$ 2,744,070			
<b>Total</b>	13,963,446	\$ 3.78	\$ 52,791,435	13,087,671	\$ 0.82	\$ 10,722,883	11,226,579	\$ 1.95	\$ 21,890,910	\$ 32,613,792			
Low Voltage Switchgear Credit (if applicable)										\$ -			
Total including deduction for Low Voltage Switchgear Credit										\$ 32,613,792			



# 2016 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when current 2015 Uniform Transmission Rates are applied against historical 2014 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	1,152,521	\$ 3.7800	\$ 4,356,529	1,156,981	\$ 0.8600	\$ 995,004	952,321	\$ 2.0000	\$ 1,904,642	\$ 2,899,646
February	1,080,203	\$ 3.7800	\$ 4,083,167	1,074,638	\$ 0.8600	\$ 924,189	896,455	\$ 2.0000	\$ 1,792,910	\$ 2,717,099
March	1,101,110	\$ 3.7800	\$ 4,162,196	1,081,071	\$ 0.8600	\$ 929,721	880,307	\$ 2.0000	\$ 1,760,614	\$ 2,690,335
April	941,605	\$ 3.7800	\$ 3,559,267	929,880	\$ 0.8600	\$ 799,697	753,412	\$ 2.0000	\$ 1,506,824	\$ 2,306,521
May	910,523	\$ 3.7800	\$ 3,441,777	969,977	\$ 0.8600	\$ 834,180	764,830	\$ 2.0000	\$ 1,529,660	\$ 2,363,840
June	1,234,331	\$ 3.7800	\$ 4,665,771	1,190,425	\$ 0.8600	\$ 1,023,766	899,714	\$ 2.0000	\$ 1,799,428	\$ 2,823,194
July	1,241,574	\$ 3.7800	\$ 4,693,150	1,235,769	\$ 0.8600	\$ 1,062,761	915,458	\$ 2.0000	\$ 1,830,916	\$ 2,893,677
August	1,206,709	\$ 3.7800	\$ 4,561,360	1,180,164	\$ 0.8600	\$ 1,014,941	910,292	\$ 2.0000	\$ 1,820,584	\$ 2,835,525
September	1,090,453	\$ 3.7800	\$ 4,121,912	1,155,978	\$ 0.8600	\$ 994,141	888,941	\$ 2.0000	\$ 1,777,882	\$ 2,772,023
October	915,763	\$ 3.7800	\$ 3,461,584	935,633	\$ 0.8600	\$ 804,644	751,912	\$ 2.0000	\$ 1,503,824	\$ 2,308,468
November	1,047,714	\$ 3.7800	\$ 3,960,359	1,029,096	\$ 0.8600	\$ 885,023	814,386	\$ 2.0000	\$ 1,628,772	\$ 2,513,795
December	1,110,554	\$ 3.7800	\$ 4,197,894	1,095,072	\$ 0.8600	\$ 941,762	860,451	\$ 2.0000	\$ 1,720,902	\$ 2,662,664
<b>Total</b>	13,033,060	\$ 3.78	\$ 49,264,967	13,034,684	\$ 0.86	\$ 11,209,828	10,288,479	\$ 2.00	\$ 20,576,958	\$ 31,786,786





# 2016 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when current 2015 Uniform Transmission Rates are applied against historical 2014 transmission units.

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	87,232	\$ 3.4121	\$ 297,646	5,240	\$ 0.7879	\$ 4,128	87,657	\$ 1.8018	\$ 157,940	\$ 162,068
February	71,350	\$ 3.4121	\$ 243,454	4,843	\$ 0.7879	\$ 3,816	70,609	\$ 1.8018	\$ 127,223	\$ 131,039
March	63,863	\$ 3.4121	\$ 217,906	4,588	\$ 0.7879	\$ 3,615	67,055	\$ 1.8018	\$ 120,819	\$ 124,434
April	60,043	\$ 3.4121	\$ 204,871	3,735	\$ 0.7879	\$ 2,943	62,243	\$ 1.8018	\$ 112,150	\$ 115,093
May	80,006	\$ 3.4121	\$ 272,989	3,568	\$ 0.7879	\$ 2,811	79,869	\$ 1.8018	\$ 143,908	\$ 146,719
June	84,573	\$ 3.4121	\$ 288,573	3,989	\$ 0.7879	\$ 3,143	83,871	\$ 1.8018	\$ 151,119	\$ 154,262
July	84,834	\$ 3.4121	\$ 289,462	4,004	\$ 0.7879	\$ 3,155	84,140	\$ 1.8018	\$ 151,604	\$ 154,759
August	83,415	\$ 3.4121	\$ 284,620	3,794	\$ 0.7879	\$ 2,990	83,032	\$ 1.8018	\$ 149,606	\$ 152,596
September	65,958	\$ 3.4121	\$ 225,054	3,332	\$ 0.7879	\$ 2,626	68,900	\$ 1.8018	\$ 124,144	\$ 126,769
October	78,684	\$ 3.4121	\$ 268,479	5,195	\$ 0.7879	\$ 4,093	81,460	\$ 1.8018	\$ 146,774	\$ 150,867
November	83,772	\$ 3.4121	\$ 285,840	5,589	\$ 0.7879	\$ 4,404	83,403	\$ 1.8018	\$ 150,275	\$ 154,679
December	86,655	\$ 3.4121	\$ 295,676	5,109	\$ 0.7879	\$ 4,025	85,862	\$ 1.8018	\$ 154,707	\$ 158,732
<b>Total</b>	930,386	\$ 3.41	\$ 3,174,569	52,987	\$ 0.79	\$ 41,749	938,100	\$ 1.80	\$ 1,690,268	\$ 1,732,016



# 2016 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when current 2015 Uniform Transmission Rates are applied against historical 2014 transmission units.

Add Extra Host Here (I)	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$	-	-	\$	-	-	\$	-	\$ -
February	-	\$	-	-	\$	-	-	\$	-	\$ -
March	-	\$	-	-	\$	-	-	\$	-	\$ -
April	-	\$	-	-	\$	-	-	\$	-	\$ -
May	-	\$	-	-	\$	-	-	\$	-	\$ -
June	-	\$	-	-	\$	-	-	\$	-	\$ -
July	-	\$	-	-	\$	-	-	\$	-	\$ -
August	-	\$	-	-	\$	-	-	\$	-	\$ -
September	-	\$	-	-	\$	-	-	\$	-	\$ -
October	-	\$	-	-	\$	-	-	\$	-	\$ -
November	-	\$	-	-	\$	-	-	\$	-	\$ -
December	-	\$	-	-	\$	-	-	\$	-	\$ -
<b>Total</b>	-	\$	-	-	\$	-	-	\$	-	\$ -



# 2016 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when current 2015 Uniform Transmission Rates are applied against historical 2014 transmission units.

Add Extra Host Here (II)		Network				Line Connection				Transformation Connection				Total Line	
Month		Units Billed		Rate	Amount	Units Billed		Rate	Amount	Units Billed		Rate	Amount	Amount	
January		-	\$	-	\$	-	\$	-	\$	-	-	\$	-	\$	-
February		-	\$	-	\$	-	\$	-	\$	-	-	\$	-	\$	-
March		-	\$	-	\$	-	\$	-	\$	-	-	\$	-	\$	-
April		-	\$	-	\$	-	\$	-	\$	-	-	\$	-	\$	-
May		-	\$	-	\$	-	\$	-	\$	-	-	\$	-	\$	-
June		-	\$	-	\$	-	\$	-	\$	-	-	\$	-	\$	-
July		-	\$	-	\$	-	\$	-	\$	-	-	\$	-	\$	-
August		-	\$	-	\$	-	\$	-	\$	-	-	\$	-	\$	-
September		-	\$	-	\$	-	\$	-	\$	-	-	\$	-	\$	-
October		-	\$	-	\$	-	\$	-	\$	-	-	\$	-	\$	-
November		-	\$	-	\$	-	\$	-	\$	-	-	\$	-	\$	-
December		-	\$	-	\$	-	\$	-	\$	-	-	\$	-	\$	-
Total		-	\$	-	\$	-	\$	-	\$	-	-	\$	-	\$	-





# 2016 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when forecasted 2016 Uniform Transmission Rates are applied against historical 2014 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	1,152,521	\$ 3.7800	\$ 4,356,529	1,156,981	\$ 0.8600	\$ 995,004	952,321	\$ 2.0000	\$ 1,904,642	\$ 2,899,646
February	1,080,203	\$ 3.7800	\$ 4,083,167	1,074,638	\$ 0.8600	\$ 924,189	896,455	\$ 2.0000	\$ 1,792,910	\$ 2,717,099
March	1,101,110	\$ 3.7800	\$ 4,162,196	1,081,071	\$ 0.8600	\$ 929,721	880,307	\$ 2.0000	\$ 1,760,614	\$ 2,690,335
April	941,605	\$ 3.7800	\$ 3,559,267	929,880	\$ 0.8600	\$ 799,697	753,412	\$ 2.0000	\$ 1,506,824	\$ 2,306,521
May	910,523	\$ 3.7800	\$ 3,441,777	969,977	\$ 0.8600	\$ 834,180	764,830	\$ 2.0000	\$ 1,529,660	\$ 2,363,840
June	1,234,331	\$ 3.7800	\$ 4,665,771	1,190,425	\$ 0.8600	\$ 1,023,766	899,714	\$ 2.0000	\$ 1,799,428	\$ 2,823,194
July	1,241,574	\$ 3.7800	\$ 4,693,150	1,235,769	\$ 0.8600	\$ 1,062,761	915,458	\$ 2.0000	\$ 1,830,916	\$ 2,893,677
August	1,206,709	\$ 3.7800	\$ 4,561,360	1,180,164	\$ 0.8600	\$ 1,014,941	910,292	\$ 2.0000	\$ 1,820,584	\$ 2,835,525
September	1,090,453	\$ 3.7800	\$ 4,121,912	1,155,978	\$ 0.8600	\$ 994,141	888,941	\$ 2.0000	\$ 1,777,882	\$ 2,772,023
October	915,763	\$ 3.7800	\$ 3,461,584	935,633	\$ 0.8600	\$ 804,644	751,912	\$ 2.0000	\$ 1,503,824	\$ 2,308,468
November	1,047,714	\$ 3.7800	\$ 3,960,359	1,029,096	\$ 0.8600	\$ 885,023	814,386	\$ 2.0000	\$ 1,628,772	\$ 2,513,795
December	1,110,554	\$ 3.7800	\$ 4,197,894	1,095,072	\$ 0.8600	\$ 941,762	860,451	\$ 2.0000	\$ 1,720,902	\$ 2,662,664
<b>Total</b>	<b>13,033,060</b>	<b>\$ 3.78</b>	<b>\$ 49,264,967</b>	<b>13,034,684</b>	<b>\$ 0.86</b>	<b>\$ 11,209,828</b>	<b>10,288,479</b>	<b>\$ 2.00</b>	<b>\$ 20,576,958</b>	<b>\$ 31,786,786</b>



# 2016 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when forecasted 2016 Uniform Transmission Rates are applied against historical 2014 transmission units.

Hydro One	Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	87,232	\$ 3.4121	\$ 297,646	5,240	\$ 0.7879	\$ 4,128	87,657	\$ 1.8018	\$ 157,940	\$ 162,068
February	71,350	\$ 3.4121	\$ 243,454	4,843	\$ 0.7879	\$ 3,816	70,609	\$ 1.8018	\$ 127,223	\$ 131,039
March	63,863	\$ 3.4121	\$ 217,906	4,588	\$ 0.7879	\$ 3,615	67,055	\$ 1.8018	\$ 120,819	\$ 124,434
April	60,043	\$ 3.4121	\$ 204,871	3,735	\$ 0.7879	\$ 2,943	62,243	\$ 1.8018	\$ 112,150	\$ 115,093
May	80,006	\$ 3.4121	\$ 272,989	3,568	\$ 0.7879	\$ 2,811	79,869	\$ 1.8018	\$ 143,908	\$ 146,719
June	84,573	\$ 3.4121	\$ 288,573	3,989	\$ 0.7879	\$ 3,143	83,871	\$ 1.8018	\$ 151,119	\$ 154,262
July	84,834	\$ 3.4121	\$ 289,462	4,004	\$ 0.7879	\$ 3,155	84,140	\$ 1.8018	\$ 151,604	\$ 154,759
August	83,415	\$ 3.4121	\$ 284,620	3,794	\$ 0.7879	\$ 2,990	83,032	\$ 1.8018	\$ 149,606	\$ 152,596
September	65,958	\$ 3.4121	\$ 225,054	3,332	\$ 0.7879	\$ 2,626	68,900	\$ 1.8018	\$ 124,144	\$ 126,769
October	78,684	\$ 3.4121	\$ 268,479	5,195	\$ 0.7879	\$ 4,093	81,460	\$ 1.8018	\$ 146,774	\$ 150,867
November	83,772	\$ 3.4121	\$ 285,840	5,589	\$ 0.7879	\$ 4,404	83,403	\$ 1.8018	\$ 150,275	\$ 154,679
December	86,655	\$ 3.4121	\$ 295,676	5,109	\$ 0.7879	\$ 4,025	85,862	\$ 1.8018	\$ 154,707	\$ 158,732
<b>Total</b>	930,386	\$ 3.41	\$ 3,174,569	52,987	\$ 0.79	\$ 41,749	938,100	\$ 1.80	\$ 1,690,268	\$ 1,732,016



# 2016 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when forecasted 2016 Uniform Transmission Rates are applied against historical 2014 transmission units.

Add Extra Host Here (I)	Network					Line Connection					Transformation Connection					Total Line	
Month	Units Billed		Rate	Amount		Units Billed		Rate	Amount		Units Billed		Rate	Amount		Amount	
January	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
February	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
March	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
April	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
May	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
June	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
July	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
August	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
September	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
October	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
November	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
December	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
Total	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-



# 2016 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when forecasted 2016 Uniform Transmission Rates are applied against historical 2014 transmission units.

Add Extra Host Here (II)	Network					Line Connection					Transformation Connection					Total Line	
Month	Units Billed		Rate		Amount	Units Billed		Rate		Amount	Units Billed		Rate		Amount	Amount	
January	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
February	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
March	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
April	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
May	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
June	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
July	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
August	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
September	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
October	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
November	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
December	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-
Total	-	\$	-	\$	-	-	\$	-	\$	-	-	\$	-	\$	-	\$	-



# 2016 RTSR Workform for Electricity Distributors

The purpose of this sheet is to calculate the expected billing when forecasted 2016 Uniform Transmission Rates are applied against historical 2014 transmission units.

Total		Network			Line Connection			Transformation Connection			Total Line
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount	
January	1,239,753	\$ 3.75	4,654,175	1,162,221	\$ 0.86	999,132	1,039,978	\$ 1.98	2,062,582	\$ 3,061,714	
February	1,151,553	\$ 3.76	4,326,621	1,079,481	\$ 0.86	928,005	967,064	\$ 1.99	1,920,133	\$ 2,848,138	
March	1,164,973	\$ 3.76	4,380,102	1,085,659	\$ 0.86	933,336	947,362	\$ 1.99	1,881,433	\$ 2,814,769	
April	1,001,648	\$ 3.76	3,764,138	933,615	\$ 0.86	802,640	815,655	\$ 1.98	1,618,974	\$ 2,421,614	
May	990,529	\$ 3.75	3,714,766	973,545	\$ 0.86	836,991	844,699	\$ 1.98	1,673,568	\$ 2,510,559	
June	1,318,904	\$ 3.76	4,954,344	1,194,414	\$ 0.86	1,026,909	983,585	\$ 1.98	1,950,547	\$ 2,977,455	
July	1,326,408	\$ 3.76	4,982,611	1,239,773	\$ 0.86	1,065,916	999,598	\$ 1.98	1,982,520	\$ 3,048,436	
August	1,290,124	\$ 3.76	4,845,980	1,183,958	\$ 0.86	1,017,931	993,324	\$ 1.98	1,970,190	\$ 2,988,121	
September	1,156,411	\$ 3.76	4,346,967	1,159,310	\$ 0.86	996,767	957,841	\$ 1.99	1,902,026	\$ 2,898,792	
October	994,447	\$ 3.75	3,730,063	940,828	\$ 0.86	808,737	833,372	\$ 1.98	1,650,598	\$ 2,459,335	
November	1,131,486	\$ 3.75	4,246,199	1,034,685	\$ 0.86	889,426	897,789	\$ 1.98	1,779,047	\$ 2,668,474	
December	1,197,209	\$ 3.75	4,493,570	1,100,181	\$ 0.86	945,787	946,313	\$ 1.98	1,875,609	\$ 2,821,396	
Total	13,963,446	\$ 3.76	\$ 52,439,536	13,087,671	\$ 0.86	\$ 11,251,577	11,226,579	\$ 1.98	\$ 22,267,226	\$ 33,518,803	
Low Voltage Switchgear Credit (if applicable)										\$ -	
Total including deduction for Low Voltage Switchgear Credit										\$ 33,518,803	



# 2016 RTSR Workform for Electricity Distributors

The purpose of this sheet is to re-align the current RTS Network Rates to recover current wholesale network costs.

Rate Class	Rate Description	Unit	Current RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential	RTSR - Network	kWh	0.0077	2,315,879,416		17,832,272	33.5%	17,547,374	0.0076
General Service Less Than 50 kW	RTSR - Network	kWh	0.0070	738,817,811		5,171,725	9.7%	5,089,098	0.0069
General Service 50 to 1,499 kW	RTSR - Network	kW	2.9072		7,052,272	20,502,364	38.5%	20,174,807	2.8608
General Service 1,500 to 4,999 kW	RTSR - Network	kW	3.0186		1,874,998	5,659,868	10.6%	5,569,442	2.9704
Large Use > 5000 kW	RTSR - Network	kW	3.3462		1,117,860	3,740,582	7.0%	3,680,821	3.2927
Unmetered Scattered Load	RTSR - Network	kWh	0.0070	16,960,677		118,725	0.2%	116,828	0.0069
Sentinel Lighting	RTSR - Network	kW	2.1461		175	376	0.0%	370	2.1118
Street Lighting	RTSR - Network	kW	2.1570		122,870	265,030	0.5%	260,796	2.1225

The purpose of this table is to re-align the current RTS Connection Rates to recover current wholesale connection costs.

Rate Class	Rate Description	Unit	Current RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR- Connection
Residential	RTSR - Connection	kWh	0.0042	2,315,879,416		9,726,694	32.7%	10,946,085	0.0047
General Service Less Than 50 kW	RTSR - Connection	kWh	0.0040	738,817,811		2,955,271	9.9%	3,325,760	0.0045
General Service 50 to 1,499 kW	RTSR - Connection	kW	1.6232		7,052,272	11,447,247	38.4%	12,882,337	1.8267
General Service 1,500 to 4,999 kW	RTSR - Connection	kW	1.7347		1,874,998	3,252,558	10.9%	3,660,317	1.9522
Large Use > 5000 kW	RTSR - Connection	kW	1.9535		1,117,860	2,183,739	7.3%	2,457,504	2.1984
Unmetered Scattered Load	RTSR - Connection	kWh	0.0040	16,960,677		67,843	0.2%	76,348	0.0045
Sentinel Lighting	RTSR - Connection	kW	1.2058		175	211	0.0%	237	1.3570
Street Lighting	RTSR - Connection	kW	1.2310		122,870	151,253	0.5%	170,215	1.3853

The purpose of this table is to update the re-aligned RTS Network Rates to recover future wholesale network costs.

Rate Class	Rate Description	Unit	Adjusted RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR- Network
Residential	RTSR - Network	kWh	0.0076	2,315,879,416		17,547,374	33.5%	17,547,374	0.0076
General Service Less Than 50 kW	RTSR - Network	kWh	0.0069	738,817,811		5,089,098	9.7%	5,089,098	0.0069
General Service 50 to 1,499 kW	RTSR - Network	kW	2.8608		7,052,272	20,174,807	38.5%	20,174,807	2.8608
General Service 1,500 to 4,999 kW	RTSR - Network	kW	2.9704		1,874,998	5,569,442	10.6%	5,569,442	2.9704
Large Use > 5000 kW	RTSR - Network	kW	3.2927		1,117,860	3,680,821	7.0%	3,680,821	3.2927
Unmetered Scattered Load	RTSR - Network	kWh	0.0069	16,960,677		116,828	0.2%	116,828	0.0069
Sentinel Lighting	RTSR - Network	kW	2.1118		175	370	0.0%	370	2.1118
Street Lighting	RTSR - Network	kW	2.1225		122,870	260,796	0.5%	260,796	2.1225

The purpose of this table is to update the re-aligned RTS Connection Rates to recover future wholesale connection costs.

Rate Class	Rate Description	Unit	Adjusted RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Proposed RTSR- Connection
Residential	RTSR - Connection	kWh	0.0047	2,315,879,416		10,946,085	32.7%	10,946,085	0.0047
General Service Less Than 50 kW	RTSR - Connection	kWh	0.0045	738,817,811		3,325,760	9.9%	3,325,760	0.0045
General Service 50 to 1,499 kW	RTSR - Connection	kW	1.8267		7,052,272	12,882,337	38.4%	12,882,337	1.8267
General Service 1,500 to 4,999 kW	RTSR - Connection	kW	1.9522		1,874,998	3,660,317	10.9%	3,660,317	1.9522
Large Use > 5000 kW	RTSR - Connection	kW	2.1984		1,117,860	2,457,504	7.3%	2,457,504	2.1984
Unmetered Scattered Load	RTSR - Connection	kWh	0.0045	16,960,677		76,348	0.2%	76,348	0.0045
Sentinel Lighting	RTSR - Connection	kW	1.3570		175	237	0.0%	237	1.3570
Street Lighting	RTSR - Connection	kW	1.3853		122,870	170,215	0.5%	170,215	1.3853




# 2016 Deferral/Variance Account Workform

Version 2.6


Utility Name	Hydro Ottawa Limited
Service Territory	(if applicable)
Assigned EB Number	EB-2015-0004
Name of Contact and Title	April Barrie; Manager, Rates and Revenue
Phone Number	613-738-5499, ext 106
Email Address	AprilBarrie@HydroOttawa.com

## General Notes

### Notes

 Pale green cells represent input cells.

 Pale blue cells represent drop-down lists. The applicant should select the appropriate item from the drop-down list.

 White cells contain fixed values, automatically generated values or formulae.

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## 2016 Deferral/Variance Account Workform

Account Descriptions			Account Number	Opening Principal Amounts as of Jan-1-09	Transactions/ Debit/ (Credit) during 2009	Board-Approved Disposition during 2009	Principal Adjustments <sup>1</sup> during 2009	Closing Principal Balance as of Dec-31-09	Opening Interest Amounts as of Jan-1-09	Interest Jan-1 to Dec-31-09	Board-Approved Disposition during 2009	Interest Adjustments <sup>1</sup> during 2009	Closing Interest Amounts as of Dec-31-09	
Group 1 Accounts														
1	LV Variance Account	1550		\$341,423	-\$806,430			-\$465,007	\$8,610	\$1,244			\$9,854	
2	Smart Metering Entity Charge Variance Account	1551						\$0					\$0	
3	RSVA - Wholesale Market Service Charge	1580		-\$5,535,584	-\$2,615,936			-\$8,151,520	-\$107,697	-\$62,363			-\$170,060	
4	RSVA - Retail Transmission Network Charge	1584		-\$4,628,149	-\$799,298			-\$5,627,447	-\$123,118	-\$92,334			-\$175,452	
5	RSVA - Retail Transmission Connection Charge	1586		-\$3,039,509	-\$3,257,761			-\$6,297,270	-\$45,973	-\$40,319			-\$86,192	
6	RSVA - Power (excluding Global Adjustment)	1588		\$8,628,731	-\$836,728			\$7,793,003	\$106,179	\$57,079			\$163,258	
7	RSVA - Global Adjustment	1589		\$8,336,384	\$8,318,310			\$16,654,694	\$189,331	\$110,317			\$299,648	
8	Disposition and Recovery/Refund of Regulatory Balances (2008)	1595		-\$3,531,907	\$2,451,634			-\$1,080,273	\$1,673,047	-\$23,663			\$1,649,384	
9	Disposition and Recovery/Refund of Regulatory Balances (2009)	1595						\$0					\$0	
10	Disposition and Recovery/Refund of Regulatory Balances (2010)	1595						\$0					\$0	
11	Disposition and Recovery/Refund of Regulatory Balances (2011)	1595						\$0					\$0	
12	Disposition and Recovery/Refund of Regulatory Balances (2012)	1595						\$0					\$0	
13	Disposition and Recovery/Refund of Regulatory Balances (2013)	1595						\$0					\$0	
14	Disposition and Recovery/Refund of Regulatory Balances (2014)	1595						\$0					\$0	
Group 1 Sub-Total (including Account 1589 - Global Adjustment)					\$371,389	\$2,454,791	\$0	\$0	\$2,826,180	\$1,700,479	-\$10,039	\$0	\$0	\$1,690,440
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)					-\$7,964,995	-\$5,863,519	\$0	\$0	-\$13,828,514	\$111,148	-\$120,366	\$0	\$0	\$1,390,752
RSVA - Global Adjustment				1589	\$8,336,384	\$8,318,310	\$0	\$0	\$16,654,694	\$189,331	\$110,317	\$0	\$0	\$299,648
Group 2 Accounts														
15	Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508			\$511,250			\$511,250		\$220			\$220	
16	Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508						\$0					\$0	
17	Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act <sup>3</sup>	1508												
18	Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508												
19	Other Regulatory Assets - Sub-Account - Other <sup>4</sup>	1508						\$0	-\$2,124				-\$2,124	
20	Retail Cost Variance Account - Retail	1518		-\$336,240	-\$269,521			-\$605,761	-\$7,266	-\$4,695			-\$11,961	
21	Misc. Deferred Debits	1525						\$0	-\$82				-\$82	
22	Board-Approved CDM Variance Account	1567											\$0	
23	Extra-Ordinary Event Costs	1572						\$0					\$0	
24	Deferred Rate Impact Amounts	1574						\$0					\$0	
25	RSVA - One-time	1582		\$248,449	-\$243,785			\$4,664	\$3,989	-\$3,972			\$17	
26	Other Deferred Credits	2425						\$0					\$0	
Group 2 Sub-Total					-\$87,791	-\$2,056	\$0	\$0	-\$89,847	-\$5,483	-\$8,447	\$0	\$0	-\$13,930
27	PI/Ls and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592		-\$200,861				-\$200,861	-\$6,025	-\$2,271			-\$8,296	
28	PI/Ls and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592						\$0					\$0	
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)					\$82,737	\$2,452,735	\$0	\$0	\$2,535,472	\$1,688,971	-\$20,757	\$0	\$0	\$1,668,214
LRAM Variance Account				1568										
Total including Account 1568					\$82,737	\$2,452,735	\$0	\$0	\$2,535,472	\$1,688,971	-\$20,757	\$0	\$0	\$1,668,214
30	Renewable Generation Connection Capital Deferral Account	1531						\$0					\$0	
31	Renewable Generation Connection OM&A Deferral Account	1532						\$0					\$0	
32	Renewable Generation Connection Funding Adder Deferral Account	1533						\$0					\$0	
33	Smart Grid Capital Deferral Account	1534						\$0					\$0	
34	Smart Grid OM&A Deferral Account	1535						\$0					\$0	
35	Smart Grid Funding Adder Deferral Account	1536						\$0					\$0	
36	Retail Cost Variance Account - STR	1548		\$378,403	\$402,518			\$780,921	\$5,277	\$5,605			\$10,882	
37	Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital <sup>5</sup>	1555						\$0					\$0	
38	Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries <sup>6</sup>	1555		-\$7,167,747	-\$3,495,193			-\$10,662,940					\$0	
39	Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs <sup>7</sup>	1555		\$12,950,636	-\$1,192,601			\$11,758,035					\$0	
40	Smart Meter OM&A Variance <sup>8</sup>	1556		\$5,241,463	\$3,633,261			\$8,874,724	-\$82,232	-\$20,723			-\$102,955	
41	IFRS-CGAAP Transition PP&E Amounts Balance + Return Component <sup>9</sup>	1575											\$0	
42	Accounting Changes Under CGAAP Balance + Return Component <sup>9</sup>	1576											\$0	

ntario Energy Board

**2016 Deferral/Variance  
Account Workform**

Account Descriptions		Account Number	Opening Principal Amounts as of Jan-1-10	Transactions/ Debit/ (Credit) during 2010	Board-Approved Disposition during 2010	Principal Adjustments during 2010	Closing Principal Balance as of Dec-31-10	Opening Interest Amounts as of Jan-1-10	Interest Jan-1 to Dec-31-10	Board-Approved Disposition during 2010	Interest Adjustments during 2010	Closing Interest Amounts as of Dec-31-10
<b>Group 1 Accounts</b>												
LV Variance Account	1550	-\$465,007	-\$1,144,417				-\$1,609,423	\$9,854	-\$8,572			\$1,282
Smart Metering Entity Charge Variance Account	1551	\$0					\$0	\$0				\$0
RSVA - Wholesale Market Service Charge	1580	-\$8,151,520	-\$8,098,525				-\$16,250,046	-\$170,060	-\$104,549			-\$274,609
RSVA - Retail Transmission Network Charge	1584	-\$5,627,447	\$392,976				-\$5,234,471	-\$175,452	-\$38,900			-\$214,352
RSVA - Retail Transmission Connection Charge	1586	-\$6,297,270	-\$2,755,674				-\$9,052,944	-\$86,192	-\$80,931			-\$147,123
RSVA - Power (excluding Global Adjustment)	1588	\$7,793,003	\$3,479,179				\$11,272,182	\$163,258	\$49,751			\$213,009
RSVA - Global Adjustment	1589	\$16,654,894	-\$6,031,437				\$10,623,257	\$299,648	\$96,331			\$395,979
Disposition and Recovery/Refund of Regulatory Balances (2008)	1595	-\$1,080,273	-\$533,002				-\$1,613,275	\$1,649,384	-\$10,515			\$1,638,869
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595	\$0					\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595	\$0					\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595	\$0					\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	\$0					\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595	\$0					\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	\$0					\$0	\$0				\$0
<b>Group 1 Sub-Total (including Account 1589 - Global Adjustment)</b>		\$2,826,180	-\$14,690,899	\$0	\$0		-\$11,864,719	\$1,690,440	-\$77,386	\$0	\$0	\$1,613,055
<b>Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)</b>		-\$13,828,514	-\$8,659,462	\$0	\$0		-\$22,487,976	\$1,390,792	-\$173,716	\$0	\$0	\$1,217,076
<b>RSVA - Global Adjustment</b>	<b>1589</b>	\$16,654,894	-\$6,031,437	\$0	\$0		\$10,623,257	\$299,648	\$96,331	\$0	\$0	\$395,979
<b>Group 2 Accounts</b>												
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$511,250	\$431,280				\$942,530	\$220	\$6,061			\$6,281
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$0					\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Acf	1508											
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508											
Other Regulatory Assets - Sub-Account - Other *	1508	\$0	\$92,803				\$92,803	-\$2,124	\$2,124			\$0
Retail Cost Variance Account - Retail	1518	-\$605,761	-\$188,350				-\$794,111	-\$11,961	-\$5,884			-\$17,845
Misc. Deferred Debits	1525	\$0					\$0	-\$82	\$82			\$0
Board-Approved CDM Variance Account	1567						\$0	\$0				\$0
Extra-Ordinary Event Costs	1572	\$0					\$0	\$0				\$0
Deferred Rate Impact Amounts	1574	\$0					\$0	\$0				\$0
RSVA - One-time	1582	\$4,664					\$4,664	\$17	\$37			\$54
Other Deferred Credits	2425	\$0					\$0	\$0				\$0
<b>Group 2 Sub-Total</b>		-\$89,847	\$335,733	\$0	\$0		\$245,886	-\$13,930	\$2,421	\$0	\$0	-\$11,509
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	-\$200,861					-\$200,861	-\$8,296	-\$1,606			-\$9,902
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	\$0	-\$121,512				-\$121,512	\$0				\$0

ntario Energy Board

**2016 Deferral/Variance  
Account Workform**

2011									
Opening Principal Amounts as of Jan-1-11	Transactions/ Debit/ (Credit) during 2011	Board-Approved Disposition during 2011	Principal Adjustments <sup>2</sup> during 2011	Closing Principal Balance as of Dec-31-11	Opening Interest Amounts as of Jan-1-11	Interest Jan-1 to Dec-31-11	Board-Approved Disposition during 2011	Interest Adjustments <sup>2</sup> during 2011	Closing Interest Amounts as of Dec-31-11
\$-1,609,423	\$-1,024,964	\$-1,609,423		\$-1,024,964	\$1,282	\$-30,468	\$-22,377		\$-6,809
\$0		\$0		\$0	\$0				\$0
\$16,250,046	\$-7,769,682	\$16,250,046		\$7,769,682	\$-274,609	\$-301,929	\$513,484		\$63,054
\$5,234,471	\$776,427	\$5,234,471		\$776,427	\$-214,352	\$-70,687	\$-291,299		\$6,260
\$9,052,944	\$-1,220,099	\$9,052,943		\$1,220,100	\$-147,123	\$-144,981	\$-280,201		\$-11,903
\$11,272,182	\$-7,111,287	\$11,650,893		\$7,489,998	\$213,009	\$30,356			\$243,365
\$10,623,257	\$-5,192,002	\$10,623,257		\$5,192,002	\$395,979	\$133,356	\$552,141		\$-22,806
\$-1,613,275	\$-405,063	\$-1,613,274	\$405,064	\$0	\$1,638,869	\$-27,337	\$1,615,153	\$3,621	\$0
\$0		\$0		\$0	\$0				\$0
\$0		\$-10,623,257		\$10,623,257	\$0		\$-552,141		\$552,141
\$0				\$0	\$0				\$0
\$0				\$0	\$0				\$0
\$0				\$0	\$0				\$0
\$-11,864,719	\$-21,946,670	\$-22,109,264	\$405,064	\$-11,297,061	\$1,613,055	\$-411,690	\$507,792	\$3,621	\$697,193
\$-22,487,976	\$-16,754,668	\$-32,732,521	\$405,064	\$-6,105,059	\$1,217,076	\$-545,046	\$-44,349	\$3,621	\$270,000
\$10,623,257	\$-5,192,002	\$10,623,257	\$0	\$-5,192,002	\$395,979	\$133,356	\$552,141	\$0	\$-22,806
\$942,530	\$705,283	\$942,530		\$705,283	\$6,281	\$17,946	\$20,145		\$4,082
\$0				\$0	\$0				\$0
\$0				\$0	\$0				\$0
\$0				\$0	\$0				\$0
\$92,803	\$1,270	\$94,159		\$-86	\$0	\$1,388			\$1,388
\$-794,111	\$-148,075	\$-823,629		\$-118,557	\$-17,845	\$-12,732			\$-30,576
\$0				\$0	\$0				\$0
\$0				\$0	\$0				\$0
\$0				\$0	\$0				\$0
\$0				\$0	\$0				\$0
\$4,664		\$4,786		\$-123	\$54	\$69			\$123
\$0				\$0	\$0				\$0
\$245,886	\$558,478	\$217,846	\$0	\$586,517	\$-11,509	\$6,671	\$20,145	\$0	\$-24,983
\$-200,861		\$-200,861		\$0	\$-9,902	\$-2,953	\$-12,855		\$0
\$-121,512	\$423,171			\$-544,683	\$0				\$0
\$-11,941,206	\$-21,811,363	\$-22,092,279	\$405,064	\$-11,255,227	\$1,591,643	\$-407,972	\$515,082	\$3,621	\$672,210
\$0				\$0	\$0				\$0
\$-11,941,206	\$-21,811,363	\$-22,092,279	\$405,064	\$-11,255,227	\$1,591,643	\$-407,972	\$515,082	\$3,621	\$672,210
\$0				\$0	\$0				\$0
\$197,472	\$211,064			\$408,537	\$767	\$4,219			\$4,985
\$0				\$0	\$0				\$0
\$0				\$0	\$0				\$0
\$92,621	\$95,856			\$188,477	\$555	\$1,739			\$2,294
\$1,331,984	\$-893,533			\$438,451	\$18,952	\$23,399			

IFRS-CGAAP Transition PP&E Amounts Balance + Return Component<sup>6</sup>  
Accounting Changes Under CGAAP Balance + Return Component<sup>6</sup>

## 2016 Deferral/Variance Account Workform

		2012									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-12	Transactions' Debit / (Credit) during 2012	Board-Approved Disposition during 2012	Principal Adjustments <sup>2</sup> during 2012	Closing Principal Balance as of Dec-31-12	Opening Interest Amounts as of Jan-1-12	Interest Jan-1 to Dec-31-12	Board-Approved Disposition during 2012	Interest Adjustments <sup>3</sup> during 2012	Closing Interest Amounts as of Dec-31-12
<b>Group 1 Accounts</b>											
LV Variance Account	1550	-\$1,024,964	-\$30,829			-\$1,055,793	-\$6,809	-\$15,282			-\$22,092
Smart Metering Entity Charge Variance Account	1551	\$0				\$0	\$0				\$0
RSVA - Wholesale Market Service Charge	1580	-\$7,769,682	-\$9,808,445			-\$17,578,127	-\$63,054	-\$178,134			-\$241,188
RSVA - Retail Transmission Network Charge	1584	\$776,427	-\$1,681,231			-\$904,804	\$6,260	\$3,977			\$10,237
RSVA - Retail Transmission Connection Charge	1586	-\$1,220,100	-\$1,683,899			-\$2,903,999	-\$11,903	-\$24,873			-\$36,775
RSVA - Power (excluding Global Adjustment)	1588	-\$7,489,998	-\$288,883			-\$7,778,881	\$243,365	-\$131,402			\$111,964
RSVA - Global Adjustment	1589	-\$5,192,002	-\$5,253,421			-\$10,445,423	-\$22,806	-\$127,080			-\$149,886
Disposition and Recovery/Refund of Regulatory Balances (2008)	1595	\$0				\$0	-\$0				-\$0
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595	\$0	\$20,740,824	\$21,566,079		-\$825,255	\$0	-\$188,428	-\$782,598		\$594,170
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595	\$10,623,257	-\$11,455,366			-\$832,109	\$552,141	\$85,259			\$637,400
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	\$0				\$0	\$0				\$0
<b>Group 1 Sub-Total (including Account 1589 - Global Adjustment)</b>		-\$11,297,961	-\$9,461,260	\$21,566,079	\$0	-\$42,324,400	\$697,193	-\$575,964	-\$782,598	\$0	\$903,828
<b>Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)</b>		-\$6,105,059	-\$4,207,839	\$21,566,079	\$0	-\$31,878,977	\$720,000	-\$448,884	-\$782,598	\$0	\$1,053,714
<b>RSVA - Global Adjustment</b>	<b>1589</b>	-\$5,192,002	-\$5,253,421	\$0	\$0	-\$10,445,423	-\$22,806	-\$127,080	\$0	\$0	-\$149,886
<b>Group 2 Accounts</b>											
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$705,283	\$274,349			\$979,632	\$4,082	\$11,689			\$15,771
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act <sup>8</sup>	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Other <sup>4</sup>	1508	-\$86	\$4,976,895			\$4,976,809	\$1,388	-\$1			\$1,386
Retail Cost Variance Account - Retail	1518	-\$118,557	-\$102,703			-\$221,259	-\$30,576	-\$2,445			-\$33,021
Misc. Deferred Debits	1525	\$0				\$0	\$0				\$0
Board-Approved CDM Variance Account	1567	\$0				\$0	\$0				\$0
Extra-Ordinary Event Costs	1572	\$0				\$0	\$0				\$0
Deferred Rate Impact Amounts	1574	\$0				\$0	\$0				\$0
RSVA - One-time	1582	-\$123				-\$123	\$123	-\$2			\$121
Other Deferred Credits	2425	\$0				\$0	\$0				\$0
<b>Group 2 Sub-Total</b>		\$586,517	\$5,148,541	\$0	\$0	\$5,735,058	-\$24,983	\$9,242	\$0	\$0	-\$15,742
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	-\$544,683				-\$544,683	\$0				\$0
<b>Total of Group 1 and Group 2 Accounts (including 1562 and 1592)</b>		-\$11,255,227	-\$4,312,719	\$21,566,079	\$0	-\$37,134,024	\$672,210	-\$566,722	-\$782,598	\$0	\$888,086
<b>LRAM Variance Account</b>	<b>1568</b>	\$0				\$0	\$0				\$0
<b>Total including Account 1568</b>		-\$11,255,227	-\$4,312,719	\$21,566,079	\$0	-\$37,134,024	\$672,210	-\$566,722	-\$782,598	\$0	\$888,086
Renewable Generation Connection Capital Deferral Account	1531	\$0				\$0	\$0				\$0
Renewable Generation Connection OM&A Deferral Account	1532	\$408,537				\$408,537	\$4,985	\$6,022			\$11,007
Renewable Generation Connection Funding Adder Deferral Account	1533	\$0				\$0	\$0				\$0
Smart Grid Capital Deferral Account	1534	\$0				\$0	\$0				\$0
Smart Grid OM&A Deferral Account	1535	\$188,477				\$188,477	\$2,294	\$2,778			\$5,072
Smart Grid Funding Adder Deferral Account	1536	\$0				\$0	\$0				\$0
Retail Cost Variance Account - STR	1548	\$438,451	\$442,637			\$881,088	\$42,350	\$10,058			\$52,408
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital <sup>5</sup>	1555	\$0				\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries <sup>5</sup>	1555	-\$17,956,560	-\$1,474,685			-\$19,431,245	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs <sup>5</sup>	1555	\$5,970,205	-\$2,986,888			\$2,983,317	\$0				\$0
Smart Meter OM&A Variance <sup>5</sup>	1556	\$18,896,100				\$18,896,100	-\$509,395				-\$509,395
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component <sup>6</sup>	1575					\$0					
Accounting Changes Under CGAAP Balance + Return Component <sup>6</sup>	1576					\$0					

## 2016 Deferral/Variance Account Workform

		2013									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-13	Transactions' Debit / (Credit) during 2013	Board-Approved Disposition during 2013	Principal Adjustments <sup>2</sup> during 2013	Closing Principal Balance as of Dec-31-13	Opening Interest Amounts as of Jan-1-13	Interest Jan-1 to Dec-31-13	Board-Approved Disposition during 2013	Interest Adjustments <sup>3</sup> during 2013	Closing Interest Amounts as of Dec-31-13
<b>Group 1 Accounts</b>											
LV Variance Account	1550	-\$1,055,793	\$15,980	-\$1,024,964		-\$14,849	-\$22,092	-\$1,109	-\$21,877		-\$1,324
Smart Metering Entity Charge Variance Account	1551	\$0	\$159,042	\$0		\$159,042	\$0	\$1,811	\$0		\$1,811
RSVA - Wholesale Market Service Charge	1580	-\$17,578,127	-\$5,223,229	-\$7,769,681		-\$15,031,675	-\$241,188	-\$194,941	-\$177,269		-\$258,861
RSVA - Retail Transmission Network Charge	1584	-\$904,804	\$563,006	\$776,426		-\$1,118,224	\$10,237	-\$14,417	\$17,673		-\$21,853
RSVA - Retail Transmission Connection Charge	1586	-\$2,303,999	-\$1,703,996	-\$1,220,099		-\$3,387,896	-\$36,775	-\$32,194	-\$20,838		-\$39,131
RSVA - Power (excluding Global Adjustment)	1588	-\$7,778,891	\$9,979,249	-\$7,489,997	-\$5,010,026	\$4,680,329	\$111,964	-\$21,749	\$133,261		-\$43,047
RSVA - Global Adjustment	1589	-\$10,445,423	-\$1,288,246	-\$5,192,002		-\$6,541,667	-\$149,886	-\$20,555	-\$99,128		-\$71,314
Disposition and Recovery/Refund of Regulatory Balances (2008)	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595	-\$825,255	-\$461,966			-\$1,287,221	\$594,170	-\$24,722			\$569,447
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595	-\$832,109	-\$440,650			-\$1,281,759	\$637,400	-\$14,681			\$622,718
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	\$0	-\$11,831			-\$11,831	\$0	-\$138,505			-\$138,505
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	\$0				\$0	\$0				\$0
<b>Group 1 Sub-Total (including Account 1589 - Global Adjustment)</b>		-\$42,324,400	\$1,578,359	-\$21,920,317	-\$5,010,026	-\$23,835,750	\$903,828	-\$461,062	-\$177,178	\$0	\$619,943
<b>Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)</b>		-\$31,878,977	\$2,866,605	-\$16,728,315	-\$5,010,026	-\$17,294,083	\$1,053,714	-\$440,507	-\$78,050	\$0	\$691,257
<b>RSVA - Global Adjustment</b>	<b>1589</b>	<b>-\$10,445,423</b>	<b>-\$1,288,246</b>	<b>-\$5,192,002</b>	<b>\$0</b>	<b>-\$6,541,667</b>	<b>-\$149,886</b>	<b>-\$20,555</b>	<b>-\$99,128</b>	<b>\$0</b>	<b>-\$71,314</b>
<b>Group 2 Accounts</b>											
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$979,632	\$133,197			\$1,112,829	\$15,771	\$14,969			\$30,741
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act <sup>8</sup>	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Other <sup>4</sup>	1508	\$4,976,809	-\$1,867,100			\$3,109,709	\$1,386	-\$1			\$1,385
Retail Cost Variance Account - Retail	1518	-\$221,259	-\$65,539			-\$286,799	-\$33,021	-\$3,715			-\$36,736
Misc. Deferred Debits	1525	\$0				\$0	\$0				\$0
Board-Approved CDM Variance Account	1567	\$0				\$0	\$0				\$0
Extra-Ordinary Event Costs	1572	\$0				\$0	\$0				\$0
Deferred Rate Impact Amounts	1574	\$0				\$0	\$0				\$0
RSVA - One-time	1582	-\$123				-\$123	\$121	-\$2			\$119
Other Deferred Credits	2425	\$0				\$0	\$0				\$0
<b>Group 2 Sub-Total</b>		<b>\$5,735,058</b>	<b>-\$1,799,442</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,935,616</b>	<b>-\$15,742</b>	<b>\$11,251</b>	<b>\$0</b>	<b>\$0</b>	<b>-\$4,490</b>
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	-\$544,683				-\$544,683	\$0				\$0
<b>Total of Group 1 and Group 2 Accounts (including 1562 and 1592)</b>		<b>-\$37,134,024</b>	<b>-\$221,084</b>	<b>-\$21,920,317</b>	<b>-\$5,010,026</b>	<b>-\$20,444,817</b>	<b>\$888,086</b>	<b>-\$449,811</b>	<b>-\$177,178</b>	<b>\$0</b>	<b>\$615,453</b>
<b>LRAM Variance Account</b>	<b>1568</b>	<b>\$0</b>	<b>-\$779,519</b>		<b>\$100,859</b>	<b>-\$678,660</b>	<b>\$0</b>	<b>-\$3,316</b>		<b>\$2,733</b>	<b>-\$583</b>
<b>Total including Account 1568</b>		<b>-\$37,134,024</b>	<b>-\$1,000,603</b>	<b>-\$21,920,317</b>	<b>-\$4,909,167</b>	<b>-\$21,123,477</b>	<b>\$888,086</b>	<b>-\$453,127</b>	<b>-\$177,178</b>	<b>\$2,733</b>	<b>\$614,869</b>
Renewable Generation Connection Capital Deferral Account	1531	\$0				\$0	\$0				\$0
Renewable Generation Connection OM&A Deferral Account	1532	\$408,537				\$408,537	\$11,007	\$6,006			\$17,013
Renewable Generation Connection Funding Adder Deferral Account	1533	\$0				\$0	\$0				\$0
Smart Grid Capital Deferral Account	1534	\$0				\$0	\$0				\$0
Smart Grid OM&A Deferral Account	1535	\$188,477				\$188,477	\$5,072	\$2,771			\$7,842
Smart Grid Funding Adder Deferral Account	1536	\$0				\$0	\$0				\$0
Retail Cost Variance Account - STR	1548	\$881,088	\$407,733			\$1,288,821	\$52,408	\$15,835			\$68,243
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital <sup>5</sup>	1555	\$0				\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries <sup>5</sup>	1555	-\$19,431,245				-\$19,431,245	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs <sup>5</sup>	1555	\$2,983,317	-\$2,983,317			\$0	\$0				\$0
Smart Meter OM&A Variance <sup>5</sup>	1556	\$18,896,100				\$18,896,100	-\$509,395				-\$509,395
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component <sup>6</sup>	1575	\$0				\$0					
Accounting Changes Under CGAAP Balance + Return Component <sup>6</sup>	1576	\$0				\$0					



## 2016 Deferral/Variance Account Workform

		2014									
Account Descriptions	Account Number	Opening Principal Amounts as of Jan-1-14	Transactions' Debit / (Credit) during 2014	Board-Approved Disposition during 2014	Principal Adjustments <sup>2</sup> during 2014	Closing Principal Balance as of Dec-31-14	Opening Interest Amounts as of Jan-1-14	Interest Jan-1 to Dec-31-14	Board-Approved Disposition during 2014	Interest Adjustments <sup>3</sup> during 2014	Closing Interest Amounts as of Dec-31-14
<b>Group 1 Accounts</b>											
LV Variance Account	1550	-\$14,849	\$22,091	-\$30,829		\$38,071	-\$1,324	\$1,000	-\$668		\$344
Smart Metering Entity Charge Variance Account	1551	\$159,042	-\$115,435	\$0		\$43,607	\$1,811	\$1,762	\$0		\$3,573
RSVA - Wholesale Market Service Charge	1580	-\$15,031,675	-\$958,913	-\$9,808,445		-\$6,182,143	-\$258,861	-\$237,221	-\$208,104		-\$287,978
RSVA - Retail Transmission Network Charge	1584	-\$1,118,224	-\$2,087,168	-\$1,681,231		-\$1,524,161	-\$21,853	-\$39,154	-\$32,150		-\$28,857
RSVA - Retail Transmission Connection Charge	1586	-\$3,387,896	\$7,365	-\$1,683,899		-\$1,696,632	-\$39,131	-\$54,262	-\$31,890		-\$61,709
RSVA - Power (excluding Global Adjustment)	1588	\$4,680,329	-\$9,520,151	-\$288,894		-\$4,550,928	\$43,047	-\$64,514	\$25,546		-\$82,014
RSVA - Global Adjustment	1589	-\$6,541,667	\$13,456,856	-\$5,253,421		\$12,168,610	-\$71,314	-\$48,991	-\$127,983		\$7,678
Disposition and Recovery/Refund of Regulatory Balances (2008)	1595	\$0				\$0	-\$0				-\$0
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595	\$0				\$0	\$0				\$0
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595	-\$1,287,221	\$4,925			-\$1,282,296	\$569,447	-\$18,869			\$550,579
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595	-\$1,281,759	-\$370,120			-\$1,651,880	\$622,718	-\$21,321			\$601,398
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	-\$11,831	-\$236,158			-\$247,989	-\$138,505	-\$2,460			-\$140,965
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595	\$0	-\$631,762			-\$631,762	\$0	-\$131,435			-\$131,435
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	\$0				\$0	\$0				\$0
<b>Group 1 Sub-Total (including Account 1589 - Global Adjustment)</b>		-\$23,835,750	-\$428,470	-\$18,746,719	\$0	-\$5,517,501	\$619,943	-\$615,465	-\$426,141	\$0	\$430,619
<b>Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)</b>		-\$17,294,083	-\$13,885,326	-\$13,493,298	\$0	-\$17,886,112	\$691,257	-\$566,474	-\$298,158	\$0	\$422,941
<b>RSVA - Global Adjustment</b>	<b>1589</b>	-\$6,541,667	\$13,456,856	-\$5,253,421	\$0	\$12,168,610	-\$71,314	-\$48,991	-\$127,983	\$0	\$7,678
<b>Group 2 Accounts</b>											
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$1,112,829	\$110,160			\$1,222,989	\$30,741	\$16,804			\$47,544
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act <sup>8</sup>	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508	\$0				\$0	\$0				\$0
Other Regulatory Assets - Sub-Account - Other <sup>4</sup>	1508	\$3,109,709	\$1,321,800			\$4,431,509	\$1,385	-\$1			\$1,384
Retail Cost Variance Account - Retail	1518	-\$286,799	-\$44,891			-\$331,689	-\$36,736	-\$4,533			-\$41,269
Misc. Deferred Debits	1525	\$0				\$0	\$0				\$0
Board-Approved CDM Variance Account	1567	\$0				\$0	\$0				\$0
Extra-Ordinary Event Costs	1572	\$0				\$0	\$0				\$0
Deferred Rate Impact Amounts	1574	\$0				\$0	\$0				\$0
RSVA - One-time	1582	-\$123				-\$123	\$119	-\$2			\$117
Other Deferred Credits	2425	\$0				\$0	\$0				\$0
<b>Group 2 Sub-Total</b>		\$3,935,616	\$1,387,070	\$0	\$0	\$5,322,686	-\$4,490	\$12,268	\$0	\$0	\$7,777
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592	\$0				\$0	\$0				\$0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	-\$544,683				-\$544,683	\$0				\$0
<b>Total of Group 1 and Group 2 Accounts (including 1562 and 1592)</b>		-\$20,444,817	\$958,600	-\$18,746,719	\$0	-\$739,498	\$615,453	-\$603,197	-\$426,141	\$0	\$438,397
<b>LRAM Variance Account</b>	<b>1568</b>	-\$678,660				-\$678,660	-\$583	\$0			-\$583
<b>Total including Account 1568</b>		-\$21,123,477	\$958,600	-\$18,746,719	\$0	-\$1,418,158	\$614,869	-\$603,197	-\$426,141	\$0	\$437,813
Renewable Generation Connection Capital Deferral Account	1531	\$0				\$0	\$0				\$0
Renewable Generation Connection OM&A Deferral Account	1532	\$408,537	\$0			\$408,537	\$17,013	\$6,006			\$23,018
Renewable Generation Connection Funding Adder Deferral Account	1533	\$0				\$0	\$0				\$0
Smart Grid Capital Deferral Account	1534	\$0				\$0	\$0				\$0
Smart Grid OM&A Deferral Account	1535	\$188,477				\$188,477	\$7,842	\$2,771			\$10,613
Smart Grid Funding Adder Deferral Account	1536	\$0				\$0	\$0				\$0
Retail Cost Variance Account - STR	1548	\$1,288,821	\$408,439			\$1,697,259	\$68,243	\$21,737			\$89,980
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital <sup>5</sup>	1555	\$0				\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries <sup>5</sup>	1555	-\$19,431,245	\$19,431,245			-\$0	\$0				\$0
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs <sup>5</sup>	1555	-\$0	-\$2,986,888			-\$2,986,888	\$0				\$0
Smart Meter OM&A Variance <sup>5</sup>	1556	\$18,896,100	-\$18,386,705			\$509,394	-\$509,395				-\$509,395
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component <sup>6</sup>	1575	\$0				\$0					
Accounting Changes Under CGAAP Balance + Return Component <sup>6</sup>	1576	\$0				\$0					

## 2016 Deferral/Variance Account Workform

		2015				Projected Interest on Dec-31-14 Balances			2.1.7 RRR		
Account Descriptions	Account Number	Principal Disposition during 2015 - instructed by Board	Interest Disposition during 2015 - instructed by Board	Closing Principal Balances as of Dec 31-14 Adjusted for Dispositions during 2015	Closing Interest Balances as of Dec 31-13 Adjusted for Dispositions during 2014	Projected Interest from Jan 1, 2015 to December 31, 2015 on Dec 31 -14 balance adjusted for disposition during 2014 <sup>3</sup>	Projected Interest from January 1, 2016 to April 30, 2016 on Dec 31 -14 balance adjusted for disposition during 2015 <sup>5</sup>	Total Claim	As of Dec 31-14	Variance RRR vs. 2014 Balance (Principal + Interest)	
Group 1 Accounts											
LV Variance Account	1550			\$38,071	\$344	\$454		\$38,869	\$38,415	-\$0	
Smart Metering Entity Charge Variance Account	1551			\$43,607	\$3,573	\$520		\$47,700	\$47,180	\$0	
RSVA - Wholesale Market Service Charge	1580			-\$6,182,143	-\$287,978	-\$73,722		-\$6,543,843	-\$6,470,122	-\$1	
RSVA - Retail Transmission Network Charge	1584			-\$1,524,161	-\$28,857	-\$18,176		-\$1,571,193	-\$1,553,018	\$0	
RSVA - Retail Transmission Connection Charge	1586			-\$1,696,632	-\$61,703	-\$20,232		-\$1,778,568	-\$1,758,335	\$0	
RSVA - Power (excluding Global Adjustment)	1588			-\$4,550,928	-\$82,014	-\$54,270		-\$4,687,212	-\$4,632,942	\$0	
RSVA - Global Adjustment	1589			\$12,168,610	\$7,678	\$145,111		\$12,321,399	\$12,176,289	\$0	
Disposition and Recovery/Refund of Regulatory Balances (2008)	1595			\$0	-\$0	\$0		\$0		-\$0	
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595			\$0	\$0	\$0		\$0		\$0	
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595			-\$1,282,296	\$550,579	-\$15,291		-\$747,009		\$731,717	
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595			-\$1,651,880	\$601,398	-\$19,609		-\$1,070,180	-\$1,782,199	-\$731,717	
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595			-\$247,989	-\$140,965	-\$2,957		-\$391,911	-\$388,963	\$0	
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595			-\$631,762	-\$131,435	-\$7,534		-\$770,731	-\$763,197	\$0	
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595			\$0	\$0	\$0		\$0		\$0	
Group 1 Sub-Total (including Account 1589 - Global Adjustment)		\$0	\$0	-\$5,517,501	\$430,619	-\$65,796	\$0	-\$5,152,678	-\$5,086,882	-\$0	
Group 1 Sub-Total (excluding Account 1589 - Global Adjustment)		\$0	\$0	-\$17,686,112	\$422,941	-\$210,907		-\$17,474,077	-\$17,263,171	-\$0	
RSVA - Global Adjustment	1589	\$0	\$0	\$12,168,610	\$7,678	\$145,111	\$0	\$12,321,399	\$12,176,289	\$0	
Group 2 Accounts											
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508			\$1,222,989	\$47,544	\$168,450	Per Appendix 2-U (P&I)	\$1,438,984	\$1,270,535	\$1	
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508			\$0	\$0	\$2,986,888	1555-Stranded Meter Costs	\$2,986,888	\$0	\$0	
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act <sup>4</sup>	1508			\$0	\$0	\$0		\$0		\$0	
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508			\$0	\$0	\$0		\$0		\$0	
Other Regulatory Assets - Sub-Account - Other <sup>4</sup>	1508			\$4,431,509	\$1,384	\$52,846		\$4,485,738	\$4,432,893	\$0	
Retail Cost Variance Account - Retail	1518			-\$331,689	-\$41,269	-\$3,955		-\$376,914	-\$372,958	\$0	
Misc. Deferred Debits	1525			\$0	\$0	\$0		\$0		-\$0	
Board-Approved CDM Variance Account	1567			\$0	\$0	\$0		\$0		\$0	
Extra-Ordinary Event Costs	1572			\$0	\$0	\$0		\$0		\$0	
Deferred Rate Impact Amounts	1574			\$0	\$0	\$0		\$0		\$0	
RSVA - One-time	1582			-\$123	\$117	-\$1		-\$7	-\$6	-\$0	
Other Deferred Credits	2425			\$0	\$0	\$0		\$0		\$0	
Group 2 Sub-Total		\$0	\$0	\$5,322,686	\$7,777	\$3,204,227	\$0	\$8,534,690	\$5,330,464	\$1	
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account below)	1592			\$0	\$0	\$0		\$1		-\$1	
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592			-\$544,683	\$0	-\$38,516		-\$583,199	-\$544,683	\$0	
Total of Group 1 and Group 2 Accounts (including 1562 and 1592)		\$0	\$0	-\$739,498	\$438,397	\$3,099,915	\$0	\$2,798,813	-\$301,101	\$0	
LRAM Variance Account	1568			-\$678,660	-\$583	-\$8,093		-\$687,336	-\$679,243	\$0	
Total including Account 1568		\$0	\$0	-\$1,418,158	\$437,813	\$3,091,822	\$0	\$2,111,477	-\$980,344	\$0	
Renewable Generation Connection Capital Deferral Account	1531			\$0	\$0	\$0		\$0		\$0	
Renewable Generation Connection OM&A Deferral Account	1532			\$408,537	\$23,018	\$4,872		\$436,427	\$431,555	-\$0	
Renewable Generation Connection Funding Adder Deferral Account	1533			\$0	\$0	\$0		\$0		\$0	
Smart Grid Capital Deferral Account	1534			\$0	\$0	\$0		\$0		\$0	
Smart Grid OM&A Deferral Account	1535			\$188,477	\$10,613	\$2,248		\$201,337	\$199,090	\$0	
Smart Grid Funding Adder Deferral Account	1536			\$0	\$0	\$0		\$0		\$0	
Retail Cost Variance Account - STR	1548			\$1,697,259	\$89,980	\$20,240		\$1,807,479	\$1,787,240	\$1	
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital <sup>2</sup>	1555			\$0	\$0	\$0		\$0		\$0	
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries <sup>5</sup>	1555			-\$0	\$0	-\$0		-\$0		\$0	
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs <sup>5</sup>	1555			-\$2,986,888	\$0	\$0		-\$2,986,888	-\$2,986,888	\$0	
Smart Meter OM&A Variance <sup>5</sup>	1556			\$509,394	-\$509,395	\$6,075		\$6,074		\$0	
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component <sup>6</sup>	1575			\$0				\$0	\$30,750	\$30,750	
Accounting Changes Under CGAAP Balance + Return Component <sup>6</sup>	1576			\$0				\$0		\$0	

## 2016 Deferral/Variance Account Workform

Accounts that produced a variance on the 2014 continuity schedule are listed below.  
Please provide a detailed explanation for each variance below.

Account Descriptions	Account Number	Variance RRR vs. 2014 Balance (Principal + Interest)	Explanation
<b>Group 1 Accounts</b>			
LV Variance Account	1550	\$ (0.39)	
RSVA - Wholesale Market Service Charge	1580	\$ (0.77)	
RSVA - Retail Transmission Network Charge	1584	\$ (0.46)	
RSVA - Retail Transmission Connection Charge	1586	\$ 0.17	
RSVA - Power (excluding Global Adjustment)	1588	\$ 0.45	
RSVA - Global Adjustment	1589	\$ 0.26	
Disposition and Recovery/Refund of Regulatory Balances (2008)	1595	\$ (0.01)	
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595	\$ 731,717.29	RRR 2.1.7 combined 2010 & 2011 under 2011 the difference of the combined years nets to zero
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595	\$ (731,717.25)	RRR 2.1.7 combined 2010 & 2011 under 2011 the difference of the combined years nets to zero
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	\$ 0.49	
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595	\$ 0.05	
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	\$ 0.79	
Other Regulatory Assets - Sub-Account - Other 4	1508	\$ 0.10	
Retail Cost Variance Account - Retail	1518	\$ 0.37	
Misc. Deferred Debits	1525	\$ (0.40)	
RSVA - One-time	1582	\$ (0.01)	
PILs and Tax Variance for 2006 and Subsequent Years	1592	\$ (0.52)	
Renewable Generation Connection OM&A Deferral Account	1532	\$ (0.01)	
Retail Cost Variance Account - STR	1548	\$ 0.81	
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries5	1555	\$ 0.14	
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Stranded Meter Costs5	1555	\$ 0.06	
Smart Meter OM&A Variance5	1556	\$ 0.32	
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component6	1575	\$ 30,750.00	RRR 2.1.7 at the end of 2014 has a balance of \$30K, this account will be cleared to zero by the end of 2015 and will not be included in rate riders.

## 2016 Deferral/Variance Account Workform

In the green shaded cells, enter the data related to the **proposed** load forecast. Do not enter data for the MicroFit class.

Rate Class (Enter Rate Classes in cells below as they appear on your current tariff of rates and charges)	Units	# of Customers	Total Metered kWh	Total Metered kW	Billed kWh for Non-RPP Customers	Billed kW for Non-RPP Customers	Distribution Revenue <sup>1</sup>	Billed kWh for Wholesale Market Participants (WMP)	Billed kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption (if applicable)	Total Metered kW less WMP Demand (if applicable)	GA Allocator for Class A, Non-WMP Customers (if applicable) <sup>3</sup>	Billed kWh for Class A, Non-WMPs Customers (if applicable)	Billed kW for Class A Non-WMP Customers (if applicable)	Billed kWh for Non-RPP Customers LESS Class A Consumption	Billed kW for Non-RPP Customers LESS Class A Demand
RESIDENTIAL	kWh	297,343	2,216,045,000		100,015,579	-	95,819,638			2,216,045,000	-				100,015,579	-
GENERAL SERVICE LESS THAN 50KW	kWh	24,512	726,360,000		67,683,742	-	22,381,467			726,360,000	-				67,683,742	-
GENERAL SERVICE 50 TO 1,499 KW	kW	3,296	2,954,441,000	7,027,979	2,676,165,018	6,366,020	39,195,058			2,954,441,000	7,027,979				2,676,165,018	6,366,020
GENERAL SERVICE 1,500 TO 4,999 KW	kW	76	863,309,000	1,847,365	876,597,685	1,875,801	11,372,032			863,309,000	1,847,365				876,597,685	1,875,801
LARGE USE	kW	11	620,218,000	1,121,449	615,205,612	1,112,386	6,340,210			620,218,000	1,121,449				615,205,612	1,112,386
UNMETERED SCATTERED LOAD	kWh	134	16,651,000			-	601,871			16,651,000	-				-	-
STANDBY POWER GENERAL SERVICE 50 TO 1,499 KW	kW					-	-			-	-				-	-
STANDBY POWER GENERAL SERVICE 1,500 TO 4,999 KW	kW	-		-		-	11,240			-	-				-	-
STANDBY POWER GENERAL SERVICE LARGE USE	kW					-	-			-	-				-	-
SENITEL LIGHTING	kW	1	48,000	216			4,751			48,000	216					
STREET LIGHTING	kW	8	43,552,000	123,144	46,220,021	130,688	967,982			43,552,000	123,144				46,220,021	130,688
MICROFIT						-	-			-	-				-	-
						-	-			-	-				-	-
						-	-			-	-				-	-
						-	-			-	-				-	-
						-	-			-	-				-	-
						-	-			-	-				-	-
						-	-			-	-				-	-
						-	-			-	-				-	-
						-	-			-	-				-	-
<b>Total</b>		<b>325,382</b>	<b>7,440,624,000</b>	<b>10,120,153</b>	<b>4,381,887,658</b>	<b>9,484,895</b>	<b>\$ 176,694,250</b>	<b>-</b>	<b>-</b>	<b>7,440,624,000</b>	<b>10,120,153</b>	<b>0%</b>	<b>-</b>	<b>-</b>	<b>4,381,887,658</b>	<b>9,484,895</b>

<sup>1</sup> For Account 1562, the allocation to customer classes should be performed on the basis of the test year distribution revenue allocation to customer classes found in the Applicant's Cost of Service application that was most recently approved at the time of disposition of the 1562 account balances

<sup>2</sup> Residual Account balance to be allocated to rate classes in proportion to the recovery share as established when rate riders were implemented.

<sup>3</sup> Enter the percentage of the balance in account 1589 allocated to Class A customers. Distributors typically settle GA costs with Class A customers on the basis of actual (i.e. non-estimated) costs. If this is the case, no amount of the balance in 1589 should be allocated to a distributor's Class A customers.

In the green shaded cells, enter the data related to the **proposed** load forecasts

Balance as per Sheet 2	-\$	687,336
Variance	\$	1

<sup>1</sup> For Account 1562, the allocation to customer classes should be performed on the basis of the Applicant's Cost of Service application that was most recently approved at the time of disposition.

<sup>2</sup> Residual Account balance to be allocated to rate classes in proportion to the recovery sh-

<sup>3</sup> Enter the percentage of the balance in account 1589 allocated to Class A custom of actual (i.e. non-estimated) costs. If this is the case, no amount of the balance in

# 2016 Deferral/Variance Account Workform

		Amounts from Sheet 2	Allocator	RESIDENTIAL	GENERAL SERVICE LESS THAN 50KW	GENERAL SERVICE 50 TO 1,499 KW	GENERAL SERVICE 1,500 TO 4,999 KW	LARGE USE	UNMETERED SCATTERED LOAD	STANDBY POWER GENERAL SERVICE 50 TO 1,499 KW
LV Variance Account	1550	38,869	kWh	11,576	3,794	15,434	4,510	3,240	87	0
Smart Metering Entity Charge Variance Account	1551	47,700	# of Customers	44,067	3,633	0	0	0	0	0
RSVA - Wholesale Market Service Charge	1580	(6,543,843)	kWh	(1,948,956)	(638,815)	(2,598,357)	(759,259)	(545,466)	(14,644)	0
RSVA - Retail Transmission Network Charge	1584	(1,571,193)	kWh	(467,949)	(153,381)	(623,872)	(182,300)	(130,968)	(3,516)	0
RSVA - Retail Transmission Connection Charge	1586	(1,778,568)	kWh	(529,712)	(173,625)	(706,214)	(206,361)	(148,254)	(3,980)	0
RSVA - Power (excluding Global Adjustment)	1588	(4,687,212)	kWh	(1,395,995)	(457,570)	(1,861,146)	(543,840)	(390,706)	(10,489)	0
RSVA - Global Adjustment	1589	12,321,399	Non-RPP kWh	281,233	190,319	7,525,090	2,464,899	1,729,892	0	0
Disposition and Recovery/Refund of Regulatory Balances (2008)	1595	0	%	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595	0	%	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595	(747,009)	kWh	(222,482)	(72,924)	(296,614)	(86,673)	(62,267)	(1,672)	0
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595	(1,070,180)	%	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	(391,911)	kWh	(116,723)	(38,259)	(155,616)	(45,472)	(32,668)	(877)	0
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595	(770,731)	%	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	0	%	0	0	0	0	0	0	0
<b>Total of Group 1 Accounts (excluding 1589)</b>		<b>(17,474,077)</b>		<b>(4,626,173)</b>	<b>(1,527,147)</b>	<b>(6,226,386)</b>	<b>(1,819,395)</b>	<b>(1,307,089)</b>	<b>(35,091)</b>	<b>0</b>
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	1,438,984	kWh	428,573	140,475	571,376	166,960	119,947	3,220	0
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	2,986,888	kWh	889,586	291,583	1,186,001	346,558	248,974	6,684	0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act8	1508	0	kWh	0	0	0	0	0	0	0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508	0	kWh	0	0	0	0	0	0	0
Other Regulatory Assets - Sub-Account - Other 4	1508	4,485,738	kWh	1,335,990	437,902	1,781,148	520,464	373,912	10,038	0
Retail Cost Variance Account - Retail	1518	(376,914)	# of Customers	(344,435)	(28,394)	(3,818)	(88)	(13)	(155)	0
Misc. Deferred Debits	1525	0	kWh	0	0	0	0	0	0	0
Retail Cost Variance Account - STR	1548	1,807,479	# of Customers	1,651,728	136,164	18,309	422	61	744	0
Board-Approved CDM Variance Account	1567	0	kWh	0	0	0	0	0	0	0
Extra-Ordinary Event Costs	1572	436,427	kWh	129,981	42,604	173,291	50,637	36,379	977	0
Deferred Rate Impact Amounts	1574	0	kWh	0	0	0	0	0	0	0
RSVA - One-time	1582	0	kWh	0	0	0	0	0	0	0
Other Deferred Credits	2425	201,337	kWh	59,964	19,655	79,945	23,360	16,783	451	0
<b>Total of Group 2 Accounts</b>		<b>10,979,941</b>		<b>4,151,389</b>	<b>1,039,988</b>	<b>3,806,252</b>	<b>1,108,314</b>	<b>796,043</b>	<b>21,959</b>	<b>0</b>
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account)	1592	1		0	0	0	0	0	0	0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	(583,199)	kWh	(173,694)	(56,932)	(231,570)	(67,667)	(48,613)	(1,305)	0
<b>Total of Account 1562 and Account 1592</b>		<b>(583,199)</b>		<b>(173,694)</b>	<b>(56,932)</b>	<b>(231,570)</b>	<b>(67,667)</b>	<b>(48,613)</b>	<b>(1,305)</b>	<b>0</b>
LRAM Variance Account (Enter dollar amount for each class)	1568	(687,336)		(45,712)	166,152	(541,937)	(142,453)	(86,476)	(7,292)	0
(Account 1568 - total amount allocated to classes)		(687,335)								
Variance		(1)								
<b>Total of Group 1 Accounts (1550, 1551, 1584, 1586 and 1595)</b>		<b>(4,402,111)</b>		<b>(1,281,222)</b>	<b>(430,762)</b>	<b>(1,766,882)</b>	<b>(516,296)</b>	<b>(370,917)</b>	<b>(9,958)</b>	<b>0</b>
<b>Total of Account 1580 and 1588 (not allocated to WMPs)</b>		<b>(11,231,055)</b>		<b>(3,344,951)</b>	<b>(1,096,385)</b>	<b>(4,459,504)</b>	<b>(1,303,099)</b>	<b>(936,172)</b>	<b>(25,133)</b>	<b>0</b>
<b>Balance of Account 1589 Allocated to Non-WMPs</b>		<b>12,321,399</b>		<b>281,233</b>	<b>190,319</b>	<b>7,525,090</b>	<b>2,464,899</b>	<b>1,729,892</b>	<b>0</b>	<b>0</b>
<b>Balance of Account 1589 allocated to Class A Non-WMP Customers</b>		<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Group 2 Accounts - Total balance allocated to each class</b>		<b>10,979,941</b>		<b>4,151,389</b>	<b>1,039,988</b>	<b>3,806,252</b>	<b>1,108,314</b>	<b>796,043</b>	<b>21,959</b>	<b>0</b>
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component	1575	0	kWh	0	0	0	0	0	0	0
Accounting Changes Under CGAAP Balance + Return Component	1576	0	kWh	0	0	0	0	0	0	0
<b>Total Balance Allocated to each class for Accounts 1575 and 1576</b>		<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Account 1589 reference calculation by customer and consumption</b>										
Account 1589 / Number of Customers		\$37.87								
1589/total kwh		\$0.0017								

# 2016 Deferral/Variance Account Worksheet

		Amounts from Sheet 2	Allocator	STANDBY POWER GENERAL SERVICE 1,500 TO 4,999 KW	STANDBY POWER GENERAL SERVICE LARGE USE	SENITEL LIGHTING	STREET LIGHTING	MICROFIT	
LV Variance Account	1550	38,869	kWh	0	0	0	228	0	0
Smart Metering Entity Charge Variance Account	1551	47,700	# of Customers	0	0	0	0	0	0
RSVA - Wholesale Market Service Charge	1580	(6,543,843)	kWh	0	0	(42)	(38,303)	0	0
RSVA - Retail Transmission Network Charge	1584	(1,571,193)	kWh	0	0	(10)	(9,197)	0	0
RSVA - Retail Transmission Connection Charge	1586	(1,778,568)	kWh	0	0	(11)	(10,410)	0	0
RSVA - Power (excluding Global Adjustment)	1588	(4,687,212)	kWh	0	0	(30)	(27,436)	0	0
RSVA - Global Adjustment	1589	12,321,399	Non-RPP kWh	0	0	0	129,966	0	0
Disposition and Recovery/Refund of Regulatory Balances (2008)	1595	0	%	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595	0	%	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595	(747,009)	kWh	0	0	(5)	(4,372)	0	0
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595	(1,070,180)	%	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	(391,911)	kWh	0	0	(3)	(2,294)	0	0
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595	(770,731)	%	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	0	%	0	0	0	0	0	0
<b>Total of Group 1 Accounts (excluding 1589)</b>		<b>(17,474,077)</b>		<b>0</b>	<b>0</b>	<b>(101)</b>	<b>(91,784)</b>	<b>0</b>	<b>0</b>
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	1,438,984	kWh	0	0	9	8,423	0	0
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	2,986,888	kWh	0	0	19	17,483	0	0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act8	1508	0	kWh	0	0	0	0	0	0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508	0	kWh	0	0	0	0	0	0
Other Regulatory Assets - Sub-Account - Other 4	1508	4,485,738	kWh	0	0	29	26,256	0	0
Retail Cost Variance Account - Retail	1518	(376,914)	# of Customers	0	0	(1)	(9)	0	0
Misc. Deferred Debits	1525	0	kWh	0	0	0	0	0	0
Retail Cost Variance Account - STR	1548	1,807,479	# of Customers	0	0	6	44	0	0
Board-Approved CDM Variance Account	1567	0	kWh	0	0	0	0	0	0
Extra-Ordinary Event Costs	1572	436,427	kWh	0	0	3	2,555	0	0
Deferred Rate Impact Amounts	1574	0	kWh	0	0	0	0	0	0
RSVA - One-time	1582	0	kWh	0	0	0	0	0	0
Other Deferred Credits	2425	201,337	kWh	0	0	1	1,178	0	0
<b>Total of Group 2 Accounts</b>		<b>10,979,941</b>		<b>0</b>	<b>0</b>	<b>66</b>	<b>55,930</b>	<b>0</b>	<b>0</b>
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account)	1592	1		0	0	0	0	0	0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	(583,199)	kWh	0	0	(4)	(3,414)	0	0
<b>Total of Account 1562 and Account 1592</b>		<b>(583,199)</b>		<b>0</b>	<b>0</b>	<b>(4)</b>	<b>(3,414)</b>	<b>0</b>	<b>0</b>
LRAM Variance Account (Enter dollar amount for each class)	1568	(687,336)		0	0	0	(29,618)	0	0
(Account 1568 - total amount allocated to classes)		(687,335)							
Variance		(1)							
<b>Total of Group 1 Accounts (1550, 1551, 1584, 1586 and 1595)</b>		<b>(4,402,111)</b>		<b>0</b>	<b>0</b>	<b>(29)</b>	<b>(26,046)</b>	<b>0</b>	<b>0</b>
<b>Total of Account 1580 and 1588 (not allocated to WMPs)</b>		<b>(11,231,055)</b>		<b>0</b>	<b>0</b>	<b>(72)</b>	<b>(65,738)</b>	<b>0</b>	<b>0</b>
<b>Balance of Account 1589 Allocated to Non-WMPs</b>		<b>12,321,399</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>129,966</b>	<b>0</b>	<b>0</b>
<b>Balance of Account 1589 allocated to Class A Non-WMP Customers</b>		<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Group 2 Accounts - Total balance allocated to each class</b>		<b>10,979,941</b>		<b>0</b>	<b>0</b>	<b>66</b>	<b>55,930</b>	<b>0</b>	<b>0</b>
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component	1575	0	kWh	0	0	0	0	0	0
Accounting Changes Under CGAAP Balance + Return Component	1576	0	kWh	0	0	0	0	0	0
<b>Total Balance Allocated to each class for Accounts 1575 and 1576</b>		<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Account 1589 reference calculation by customer and consumption</b>									
Account 1589 / Number of Customers		\$37.87							
1589/total kwh		\$0.0017							

# 2016 Deferral/Variance Account Worksheet

		Amounts from Sheet 2	Allocator							
LV Variance Account	1550	38,869	kWh	0	0	0	0	0	0	0
Smart Metering Entity Charge Variance Account	1551	47,700	# of Customers	0	0	0	0	0	0	0
RSVA - Wholesale Market Service Charge	1580	(6,543,843)	kWh	0	0	0	0	0	0	0
RSVA - Retail Transmission Network Charge	1584	(1,571,193)	kWh	0	0	0	0	0	0	0
RSVA - Retail Transmission Connection Charge	1586	(1,778,568)	kWh	0	0	0	0	0	0	0
RSVA - Power (excluding Global Adjustment)	1588	(4,687,212)	kWh	0	0	0	0	0	0	0
RSVA - Global Adjustment	1589	12,321,399	Non-RPP kWh	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2008)	1595	0	%	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2009)	1595	0	%	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2010)	1595	(747,009)	kWh	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2011)	1595	(1,070,180)	%	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2012)	1595	(391,911)	kWh	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2013)	1595	(770,731)	%	0	0	0	0	0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2014)	1595	0	%	0	0	0	0	0	0	0
<b>Total of Group 1 Accounts (excluding 1589)</b>		<b>(17,474,077)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Other Regulatory Assets - Sub-Account - Deferred IFRS Transition Costs	1508	1,438,984	kWh	0	0	0	0	0	0	0
Other Regulatory Assets - Sub-Account - Incremental Capital Charges	1508	2,986,888	kWh	0	0	0	0	0	0	0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Variance - Ontario Clean Energy Benefit Act8	1508	0	kWh	0	0	0	0	0	0	0
Other Regulatory Assets - Sub-Account - Financial Assistance Payment and Recovery Carrying Charges	1508	0	kWh	0	0	0	0	0	0	0
Other Regulatory Assets - Sub-Account - Other 4	1508	4,485,738	kWh	0	0	0	0	0	0	0
Retail Cost Variance Account - Retail	1518	(376,914)	# of Customers	0	0	0	0	0	0	0
Misc. Deferred Debits	1525	0	kWh	0	0	0	0	0	0	0
Retail Cost Variance Account - STR	1548	1,807,479	# of Customers	0	0	0	0	0	0	0
Board-Approved CDM Variance Account	1567	0	kWh	0	0	0	0	0	0	0
Extra-Ordinary Event Costs	1572	436,427	kWh	0	0	0	0	0	0	0
Deferred Rate Impact Amounts	1574	0	kWh	0	0	0	0	0	0	0
RSVA - One-time	1582	0	kWh	0	0	0	0	0	0	0
Other Deferred Credits	2425	201,337	kWh	0	0	0	0	0	0	0
<b>Total of Group 2 Accounts</b>		<b>10,979,941</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
PILs and Tax Variance for 2006 and Subsequent Years (excludes sub-account and contra account)	1592	1		0	0	0	0	0	0	0
PILs and Tax Variance for 2006 and Subsequent Years - Sub-Account HST/OVAT Input Tax Credits (ITCs)	1592	(583,199)	kWh	0	0	0	0	0	0	0
<b>Total of Account 1562 and Account 1592</b>		<b>(583,199)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
LRAM Variance Account (Enter dollar amount for each class)	1568	(687,336)		0	0	0	0	0	0	0
(Account 1568 - total amount allocated to classes)		(687,335)								
Variance		(1)								
<b>Total of Group 1 Accounts (1550, 1551, 1584, 1586 and 1595)</b>		<b>(4,402,111)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total of Account 1580 and 1588 (not allocated to WMPs)</b>		<b>(11,231,055)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Balance of Account 1589 Allocated to Non-WMPs</b>		<b>12,321,399</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Balance of Account 1589 allocated to Class A Non-WMP Customers</b>	<b>0</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Group 2 Accounts - Total balance allocated to each class</b>	<b>10,979,941</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
IFRS-CGAAP Transition PP&E Amounts Balance + Return Component	1575	0	kWh	0	0	0	0	0	0	0
Accounting Changes Under CGAAP Balance + Return Component	1576	0	kWh	0	0	0	0	0	0	0
<b>Total Balance Allocated to each class for Accounts 1575 and 1576</b>		<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Account 1589 reference calculation by customer and consumption</b>										
Account 1589 / Number of Customers		\$37.87								
1589/total kwh		\$0.0017								



## 2016 Deferral/Variance Account Workform

**Please indicate the Rate Rider Recovery Period (in years)**

1

**Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.)**

1550, 1551, 1584, 1586, 1595

<b>Rate Class</b> <b>(Enter Rate Classes in cells below)</b>	<b>Units</b>	<b>kW / kWh / # of Customers</b>	<b>Allocated Balance (excluding 1589)</b>	<b>Rate Rider for Deferral/Variance Accounts</b>	
RESIDENTIAL	kWh	2,216,045,000	-\$ 1,281,222	-	<b>0.0006 \$/kWh</b>
GENERAL SERVICE LESS THAN 50KW	kWh	726,360,000	\$ 430,762	-	<b>0.0006 \$/kWh</b>
GENERAL SERVICE 50 TO 1,499 KW	kW	7,027,979	-\$ 1,766,882	-	<b>0.2514 \$/kW</b>
GENERAL SERVICE 1,500 TO 4,999 KW	kW	1,847,365	\$ 516,296	-	<b>0.2795 \$/kW</b>
LARGE USE	kW	1,121,449	-\$ 370,917	-	<b>0.3307 \$/kW</b>
UNMETERED SCATTERED LOAD	kWh	16,651,000	-\$ 9,958	-	<b>0.0006 \$/kWh</b>
STANDBY POWER GENERAL SERVICE 5	kW	-	\$ -	-	<b>\$/kW</b>
STANDBY POWER GENERAL SERVICE 1	kW	-	\$ -	-	<b>\$/kW</b>
STANDBY POWER GENERAL SERVICE L	kW	-	\$ -	-	<b>\$/kW</b>
SENITEL LIGHTING	kW	216	-\$ 29	-	<b>0.1329 \$/kW</b>
STREET LIGHTING	kW	123,144	-\$ 26,046	-	<b>0.2115 \$/kW</b>
MICROFIT			\$ -	-	-
			\$ -	-	-
			\$ -	-	-
			\$ -	-	-
			\$ -	-	-
			\$ -	-	-
			\$ -	-	-
			\$ -	-	-
			\$ -	-	-
<b>Total</b>			<b>-\$ 4,402,111</b>		

**Rate Rider Calculation for Deferral / Variance Accounts Balances (excluding Global Adj.) - NON-WMP**

1580 and 1588

<b>Rate Class</b> <b>(Enter Rate Classes in cells below)</b>	<b>Units</b>	<b>kW / kWh / # of Customers</b>	<b>Allocated Balance (excluding 1589)</b>	<b>Rate Rider for Deferral/Variance Accounts</b>	
RESIDENTIAL	kWh	2,216,045,000	-\$ 3,344,951	-	0.0015 \$/kWh
GENERAL SERVICE LESS THAN 50KW	kWh	726,360,000	-\$ 1,096,385	-	0.0015 \$/kWh
GENERAL SERVICE 50 TO 1,499 KW	kW	7,027,979	-\$ 4,459,504	-	0.6345 \$/kW
GENERAL SERVICE 1,500 TO 4,999 KW	kW	1,847,365	-\$ 1,303,099	-	0.7054 \$/kW
LARGE USE	kW	1,121,449	-\$ 936,172	-	0.8348 \$/kW
UNMETERED SCATTERED LOAD	kWh	16,651,000	\$ 25,133	-	0.0015 \$/kWh
STANDBY POWER GENERAL SERVICE 5	kW	-	\$ -	-	\$/kW
STANDBY POWER GENERAL SERVICE 1	kW	-	\$ -	-	\$/kW
STANDBY POWER GENERAL SERVICE L	kW	-	\$ -	-	\$/kW
SENITEL LIGHTING	kW	216	\$ 72	-	0.3354 \$/kW
STREET LIGHTING	kW	123,144	-\$ 65,738	-	0.5338 \$/kW
MICROFIT			\$ -	-	-
			\$ -	-	-
			\$ -	-	-
			\$ -	-	-
			\$ -	-	-
			\$ -	-	-
			\$ -	-	-
			\$ -	-	-
Total			-\$ 11,231,055		

### Rate Rider Calculation for RSVA - Power - Global Adjustment

Balance of Account 1589 Allocated to Non-WMPs

Rate Class (Enter Rate Classes in cells below)	Units	Non-RPP kW / kWh / # of Customers	Balance of RSVA - Power - Global Adjustment	Rate Rider for RSVA - Power - Global Adjustment	
RESIDENTIAL	kWh	100,015,579	\$ 281,233	0.0028	\$/kWh
GENERAL SERVICE LESS THAN 50KW	kWh	67,683,742	\$ 190,319	0.0028	\$/kWh
GENERAL SERVICE 50 TO 1,499 KW	kWh	2,676,165,018	\$ 7,525,090	0.0028	\$/kWh
GENERAL SERVICE 1,500 TO 4,999 KW	kWh	876,597,685	\$ 2,464,899	0.0028	\$/kWh
LARGE USE	kWh	615,205,612	\$ 1,729,892	0.0028	\$/kWh
UNMETERED SCATTERED LOAD	kWh	-	\$ -	-	\$/kWh
STANDBY POWER GENERAL SERVICE 5	kWh	-	\$ -	-	\$/kWh
STANDBY POWER GENERAL SERVICE 1	kWh	-	\$ -	-	\$/kWh
STANDBY POWER GENERAL SERVICE L	kWh	-	\$ -	-	\$/kWh
SENITEL LIGHTING	kWh	-	\$ -	-	\$/kWh
STREET LIGHTING	kWh	46,220,021	\$ 129,966	0.0028	\$/kWh
MICROFIT		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
<b>Total</b>			<b>\$ 12,321,399</b>		

### Rate Rider Calculation for RSVA - Power - Global Adjustment - Class A Non-WMP Customers

Balance of Account 1589 allocated to Class A Non-WMP Customers

Rate Class (Enter Rate Classes in cells below)	Units	Non-RPP kW / kWh / # of Customers	Balance of RSVA - Power - Global Adjustment	Rate Rider for RSVA - Power - Global Adjustment	
RESIDENTIAL	kWh	-	\$ -	-	\$/kWh
GENERAL SERVICE LESS THAN 50KW	kWh	-	\$ -	-	\$/kWh
GENERAL SERVICE 50 TO 1,499 KW	kWh	-	\$ -	-	\$/kWh
GENERAL SERVICE 1,500 TO 4,999 KW	kWh	-	\$ -	-	\$/kWh
LARGE USE	kWh	-	\$ -	-	\$/kWh
UNMETERED SCATTERED LOAD	kWh	-	\$ -	-	\$/kWh
STANDBY POWER GENERAL SERVICE 5	kWh	-	\$ -	-	\$/kWh
STANDBY POWER GENERAL SERVICE 1	kWh	-	\$ -	-	\$/kWh
STANDBY POWER GENERAL SERVICE L	kWh	-	\$ -	-	\$/kWh
SENITEL LIGHTING	kWh	-	\$ -	-	\$/kWh
STREET LIGHTING	kWh	-	\$ -	-	\$/kWh
MICROFIT		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
<b>Total</b>			<b>\$ -</b>		

### Rate Rider Calculation for Group 2 Accounts

<b>Rate Class</b> <b>(Enter Rate Classes in cells below)</b>	<b>Units</b>	<b>Non-RPP kW / kWh / # of Customers</b>	<b>Balance of Group 2 Accounts</b>	<b>Rate Rider for RSVA - Power - Global Adjustment</b>	
RESIDENTIAL	# of Customers	297,343	\$ 4,151,389	\$ 1.16	per customer per month
GENERAL SERVICE LESS THAN 50KW	kWh	726,360,000	\$ 1,039,988	\$ 0.0014	\$/kWh
GENERAL SERVICE 50 TO 1,499 KW	kW	7,027,979	\$ 3,806,252	\$ 0.5416	\$/kW
GENERAL SERVICE 1,500 TO 4,999 KW	kW	1,847,365	\$ 1,108,314	\$ 0.5999	\$/kW
LARGE USE	kW	1,121,449	\$ 796,043	\$ 0.7098	\$/kW
UNMETERED SCATTERED LOAD	kWh	16,651,000	\$ 21,959	\$ 0.0013	\$/kWh
STANDBY POWER GENERAL SERVICE 5	kW	-	\$ -	\$ -	\$/kW
STANDBY POWER GENERAL SERVICE 1	kW	-	\$ -	\$ -	\$/kW
STANDBY POWER GENERAL SERVICE L	kW	-	\$ -	\$ -	\$/kW
SENITEL LIGHTING	kW	216	\$ 66	\$ 0.3056	\$/kW
STREET LIGHTING	kW	123,144	\$ 55,930	\$ 0.4542	\$/kW
MICROFIT		-	\$ -	\$ -	-
		-	\$ -	\$ -	-
		-	\$ -	\$ -	-
		-	\$ -	\$ -	-
		-	\$ -	\$ -	-
		-	\$ -	\$ -	-
		-	\$ -	\$ -	-
		-	\$ -	\$ -	-
		-	\$ -	\$ -	-
<b>Total</b>			<b>\$ 10,979,941</b>		

### Rate Rider Calculation for Accounts 1575 and 1576

Please indicate the Rate Rider Recovery Period (in years) 1

<b>Rate Class</b> <b>(Enter Rate Classes in cells below)</b>	<b>Units</b>	<b>kW / kWh / # of Customers</b>	<b>Balance of Accounts 1575 and 1576</b>	<b>Rate Rider for Accounts 1575 and 1576</b>	
RESIDENTIAL	kWh	2,216,045,000	\$ -	-	\$/kWh
GENERAL SERVICE LESS THAN 50KW	kWh	726,360,000	\$ -	-	\$/kWh
GENERAL SERVICE 50 TO 1,499 KW	kW	7,027,979	\$ -	-	\$/kW
GENERAL SERVICE 1,500 TO 4,999 KW	kW	1,847,365	\$ -	-	\$/kW
LARGE USE	kW	1,121,449	\$ -	-	\$/kW
UNMETERED SCATTERED LOAD	kWh	16,651,000	\$ -	-	\$/kWh
STANDBY POWER GENERAL SERVICE 5	kW	-	\$ -	-	\$/kW
STANDBY POWER GENERAL SERVICE 1	kW	-	\$ -	-	\$/kW
STANDBY POWER GENERAL SERVICE L	kW	-	\$ -	-	\$/kW
SENITEL LIGHTING	kW	216	\$ -	-	\$/kW
STREET LIGHTING	kW	123,144	\$ -	-	\$/kW
MICROFIT		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
		-	\$ -	-	
<b>Total</b>			<b>\$ -</b>		

### Rate Rider Calculation for Accounts 1568

Please indicate the Rate Rider Recovery Period (in years)	1
---	---

<b>Rate Class</b> <small>(Enter Rate Classes in cells below)</small>	<b>Units</b>	<b>kW / kWh / # of Customers</b>	<b>Balance of Account 1568</b>	<b>Rate Rider for Account 1568</b>	
RESIDENTIAL	kWh	2,216,045,000	-\$ 45,712	-	<b>0.0000</b> \$/kWh
GENERAL SERVICE LESS THAN 50KW	kWh	726,360,000	\$ 166,152		<b>0.0002</b> \$/kWh
GENERAL SERVICE 50 TO 1,499 KW	kW	7,027,979	-\$ 541,937	-	<b>0.0771</b> \$/kW
GENERAL SERVICE 1,500 TO 4,999 KW	kW	1,847,365	-\$ 142,453	-	<b>0.0771</b> \$/kW
LARGE USE	kW	1,121,449	-\$ 86,476	-	<b>0.0771</b> \$/kW
UNMETERED SCATTERED LOAD	kWh	16,651,000	-\$ 7,292	-	<b>0.0004</b> \$/kWh
STANDBY POWER GENERAL SERVICE 50 TO 1,499 KW	kW	-	\$ -	-	- \$/kW
STANDBY POWER GENERAL SERVICE 1,500 TO 4,999 KW	kW	-	\$ -	-	- \$/kW
STANDBY POWER GENERAL SERVICE LARGE USE	kW	-	\$ -	-	- \$/kW
SENITEL LIGHTING	kW	216	\$ -	-	- \$/kW
STREET LIGHTING	kW	123,144	-\$ 29,618	-	<b>0.2405</b> \$/kW
MICROFIT		-	\$ -	-	-
		-	\$ -	-	-
		-	\$ -	-	-
		-	\$ -	-	-
		-	\$ -	-	-
		-	\$ -	-	-
		-	\$ -	-	-
		-	\$ -	-	-
		-	\$ -	-	-
<b>Total</b>			<b>-\$ 687,335</b>		

Appendix 2-U  
One-Time Incremental IFRS Transition Costs

The following table should be completed based on the information requested below. An explanation should be provided for any blank entries. The entries should include one-time incremental IFRS transition costs that are currently included in Account 1508, Other Regulatory Assets, sub-account Deferred IFRS Transition Costs Account, or Account 1508, Other Regulatory Assets, sub-account IFRS Transition Costs Variance Account.

Nature of One-Time Incremental IFRS Transition Costs <sup>1</sup>	Audited Actual Costs Incurred 2009	Audited Actual Costs Incurred 2010	Audited Actual Costs Incurred 2011	Audited Actual Costs Incurred 2012	Audited Actual Costs Incurred 2013	Audited Actual Costs Incurred 2014	Audited Carrying Charges to Dec 31, 2014	Forecasted Costs 2015	Forecasted Costs 2016 <sup>3</sup>	Total Costs Excluding Carrying Charges	Carrying Charges January 1, 2015 to December 31, 2015/April 30, 2016 (As appropriate)	Total Costs and Carrying Charges	Reasons why the costs recorded meet the criteria of one-time IFRS administrative incremental costs
professional accounting fees	\$ 487,258	\$ 166,626	\$ 395,863	\$ 84,485	\$ 13,037			\$ 81,000		\$ 1,228,269		\$ 1,228,269	IFRS consulting, advisory and comparative audit works
professional legal fees			\$ 90,000							\$ 90,000		\$ 90,000	IFRS legal opinion
salaries, wages and benefits of staff added to support the transition to IFRS	\$ 23,992	\$ 261,457	\$ 218,943	\$ 189,811	\$ 118,018	\$ 110,160		\$ 59,945		\$ 982,326		\$ 982,326	Internal project lead and temporary staff
associated staff training and development costs	\$ 3,198	\$ 477	\$ 53	\$ 2,142						\$ 5,869		\$ 5,869	Internal project lead and temporary staff
costs related to system upgrades, or replacements or changes where IFRS was the major reason for conversion										\$ -		\$ -	
										\$ -		\$ -	
Carrying Charges							\$ 67,689			\$ -	\$ 27,505	\$ 95,194	
										\$ -		\$ -	
										\$ -		\$ -	
Amounts, if any, included in previous Board approved rates (amounts should be negative) <sup>3</sup>			\$ 942,530				\$ 20,145			\$ 942,530		\$ 962,675	
										\$ -		\$ -	
Insert description of additional item(s) and new rows if needed.										\$ -		\$ -	
<b>Total</b>	<b>\$ 511,250</b>	<b>\$ 431,280</b>	<b>\$ 237,248</b>	<b>\$ 274,349</b>	<b>\$ 133,197</b>	<b>\$ 110,160</b>	<b>\$ 47,544</b>	<b>\$ 140,945</b>	<b>\$ -</b>	<b>\$ 1,363,934</b>	<b>\$ 27,505</b>	<b>\$ 1,438,983</b>	

- Note:**
- The Deferred IFRS Transition Costs Account and the IFRS Transition Costs Variance Account are exclusively for necessary, incremental transition costs and shall not include ongoing IFRS compliance costs or impacts arising from adopting accounting policy changes that reflect changes in the timing of the recognition of income. The incremental costs in these accounts shall not include costs related to system upgrades, or replacements or changes where IFRS was not the major reason for conversion. In addition, incremental IFRS costs shall not include capital assets or expenditures.
  - If there were any amounts approved in previous Board approved rates, please state the EB #:
  - Any forecasted One-time costs past 2015 should be fully explained in the application, since distributors were required to adopt IFRS or an alternative accounting standard by January 1, 2015.

**File Number:** EB-2015-0004  
**Exhibit:** I  
**Tab:** 4  
**Schedule:** 1  
**Page:** 1  
**Date:** Att-OEB-Q1-T  
**UPDATED: August 10, 2015**

**Appendix 2-TB**  
**Account 1592, PILs and Tax Variances for 2006 and Subsequent Years,**  
**Sub-account HST/OVAT Input Tax Credits (ITCs)**

The following table should be completed based on the information requested below. An explanation should be provided for any blank entries.

100% of the balance in Account 1592, PILs and Tax Variances for 2006 and Subsequent Years, Sub-account HST/OVAT Input Tax Credits (ITCs), should be recorded in this table.

**Summary of PST Savings from 2009 Historic Year Analysis**

	Principal 2010	Principal 2011	Principal 2012	Principal 2013	Principal 2014	Principal 2015	Principal Jan-April 2016 <sup>1</sup>	Carrying Charges to April 30, 2015	Total Account 1592, sub-account HST/OVAT Balance
OM&A Expenses PST Savings									\$ -
Capital Items PST Savings									\$ -
Total Annual PST Savings <sup>2</sup>	\$ 121,512	\$ 423,171	\$ -	\$ -			\$ -	\$ 38,516	\$ 583,199

**Notes:**

<sup>1</sup> Include January to April 30, 2016 PST savings if the rate year begins May 1, 2016. If the rate year begins Jan 1, 2016, include PST savings to December 31, 2015.

<sup>2</sup> Derived PST savings proxy for each year per 2009 historical year analysis

**Note:** Assumes level OM&A and Capital Spending year over year. An alternative detailed transactional analysis may also be performed using actual expenditures from 2010 to the start of the rate year.