

Revenue to Cost Ratio Adjustment Model for 2014 IRM Filers

Utility Name	Chapleau Public Utilities Corporation	
Service Territory Name		
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Last COS Re-based Year	2012	

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While this model has been providein 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.

v 2.0



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The purpose of this sheet is to set up the rate classes, enter the re-based billing determinants from your last cost of service application and enter the current service charge and volumetric distribution rates as found on your most current Tariff of rates and charges.

Rate Group	Rate Class	Fixed Metric	Vol Metric	Re-based Billed Customers or Connections A	Re-based Billed kWh B		Current Tariff Service Charge D	Current Tariff Distribution Volumetric Rate kWh E	Current Tariff Distribution Volumetric Rate kW F
RES	Residential	Customer	kWh	1,133	14,448,113		23.48	0.0136	
GSLT50	General Service Less Than 50 kW	Customer	kWh	161	5,209,322		34.35	0.0175	
GSGT50	General Service 50 to 4,999 kW	Customer	kW	14	7,592,321	19,360	189.63		3.6006
USL	Unmetered Scattered Load	Connection	kWh	6	7,209		23.49	0.0328	
Sen	Sentinel Lighting	Connection	kW	23	25,718	65	5.44		10.1552
SL	Street Lighting	Connection	kW	341	292,061	773	3.92		18.3108
NA	Rate Class 7	NA	NA						
NA	Rate Class 8	NA	NA						
NA	Rate Class 9	NA	NA						
NA	Rate Class 10	NA	NA						
NA	Rate Class 11	NA	NA						
NA	Rate Class 12	NA	NA						
NA	Rate Class 13	NA	NA						
NA	Rate Class 14	NA	NA						
NA	Rate Class 15	NA	NA						
NA	Rate Class 16	NA	NA						
NA	Rate Class 17	NA	NA						
NA	Rate Class 18	NA	NA						
NA	Rate Class 19	NA	NA						
NA	Rate Class 20	NA	NA						
NA	Rate Class 21	NA	NA						
NA	Rate Class 22	NA	NA						
NA	Rate Class 23	NA	NA						
NA	Rate Class 24	NA	NA						
NA	Rate Class 25	NA	NA						



The purpose of this sheet is to remove any rate adders included in current rates. Most applicants will not need to make an entry on this sheet.

Rate Class	Current Tariff Service Charge A	Current Tariff Distribution Volumetric Rate kWh B	Current Tariff Distribution Volumetric Rate kW C	Service Charge Rate Adders D	Distribution Volumetric kWh Rate Adders E	Distribution Volumetric kW Rate Adders F
Residential	23.48	0.0136	0.0000	0.00	0.0000	0.0000
General Service Less Than 50 kW	34.35	0.0175	0.0000	0.00	0.0000	0.0000
General Service 50 to 4,999 kW	189.63	0.0000	3.6006	0.00	0.0000	0.0000
Unmetered Scattered Load	23.49	0.0328	0.0000	0.00	0.0000	0.0000
Sentinel Lighting	5.44	0.0000	10.1552	0.00	0.0000	0.0000
Street Lighting	3.92	0.0000	18.3108	0.00	0.0000	0.0000



The purpose of this sheet is to calculate current revenue from rate classes.

Rate Class	Re-based Billed Customers or Connections A		Re-based Billed kW C	Current Base Service Charge D		Current Base Distribution Volumetric Rate kW F	Service Charge Revenue *12	Distribution Volumetric Rate Revenue kWh H = B * E	Distribution Volumetric Rate Revenue kW I = C * F	Revenue Requireme nt from Rates I
Residential	1,133	14,448,113	0	23.48	0.0136	0.0000	319,234	196,494	0	515,728
General Service Less Than 50 kW	161	5,209,322	0	34.35	0.0175	0.0000	66,364	91,163	0	157,527
General Service 50 to 4,999 kW	14	7,592,321	19,360	189.63	0.0000	3.6006	31,858	0	69,708	101,565
Unmetered Scattered Load	6	7,209	0	23.49	0.0328	0.0000	1,691	236	0	1,928
Sentinel Lighting	23	25,718	65	5.44	0.0000	10.1552	1,501	0	660	2,162
Street Lighting	341	292,061	773	3.92	0.0000	18.3108	16,041	0	14,154	30,195
							436,689	287,894	84,522	809,105



The purpose of this sheet is to enter the Revenue Cost Ratios as determined from column G on Sheet "10. Proposed R C Ratio Adj" of the applicant's 2013 Revenue to Cost Ratio Adjustment Workform (V2.0) or 2013 COS Decision and Order.

Under the column labeled "Direction", the applicant can choose "No Change" (i.e: no change in that rate class ratio), "Change" (i.e: Board ordered change from COS decision) or "Rebalance" (i.e: to apply any offset adjustments required).

Rate Class	Direction	Current Year 2012	Transitio n Year 1 2013	Transitio n Year 2 2014	Transitio n Year 3 2015	Transitio n Year 4 2016	Transitio n Year 5 2017
Residential	No Change	97.47%	97.47%	97.47%	97.47%	97.47%	97.47%
General Service Less Than 50 kW	No Change	104.28%	104.28%	104.28%	104.28%	104.28%	104.28%
General Service 50 to 4,999 kW	Change	123.18%	121.78%	120.37%	120.00%	120.00%	120.00%
Unmetered Scattered Load	No Change	118.80%	118.80%	118.80%	118.80%	118.80%	118.80%
Sentinel Lighting	Change	61.26%	68.02%	74.77%	81.53%	81.53%	81.53%
Street Lighting	Change	77.75%	79.64%	81.52%	81.52%	81.52%	81.52%



The purpose of this sheet is to allocate the Revenue Offsets (miscellaneous revenue, cell F47) found in the last COS to the various rate classes in proportion to the allocation from the Cost Allocation informational filing.

Rate Class	Informational Filing Revenue Offsets A	Percentage Split C= A / B	Allocated Revenue Offsets E = D * C
Residential	0	0.00%	-
General Service Less Than 50 kW	0	0.00%	-
General Service 50 to 4,999 kW	(3,610)	0.00%	-
Unmetered Scattered Load	0	0.00%	-
Sentinel Lighting	1,179	0.00%	-
Street Lighting	2,431	0.00%	-
	-	0.00%	-
	В		D



The purpose of this sheet is to remove the transformer allowance from volumetric rates. In Cell E47, enter your Transformer Allowance as per your 2013 Revenue to Cost Ratio Adjustment Workform (V2.0) or your last CoS Decision. Under the column labeled "Transformer Allowance in Rates" select "Yes" if included in that rate class or "No" if not included. Once selected, apply the update button to reveal input cells in which you can enter the number of kW's and the transformer rate for each rate class.





The purpose of this sheet is to calculate revenue by rate class that inlcudes Revenue Offsets and excludes Transformer Allowance prior to Revenue Cost Ratio Adjustment re-allocation.

Rate Class	Billed Customers or Connections A	Billed kWh B	Billed kW C		Base Service Charge D	Volumetric	Base Distribution Volumetric Rate kW F	Service Charge *12	Distribution Volumetric Rate kWh H = B * E	Distribution Volumetric Rate kW I = C * F	Revenue Requirement from Rates J = G + H + I
Residential	1,133	14,448,113	0	0	23.48	0.0136	0.0000	319,234	196,494	0	515,728
General Service Less Than 50 kW	161	5,209,322	0	0	34.35	0.0175	0.0000	66,364	91,163	0	157,527
General Service 50 to 4,999 kW	14	7,592,321	19,360	0	189.63	0.0000	3.1533	31,858	0	61,048	92,906
Unmetered Scattered Load	6	7,209	0	0	23.49	0.0328	0.0000	1,691	236	0	1,928
Sentinel Lighting	23	25,718	65	0	5.44	0.0000	10.1552	1,501	0	660	2,162
Street Lighting	341	292,061	773	0	3.92	0.0000	18.3108	16,041	0	14,154	30,195
								436,689	287,894	75,863	800,446



Proposed Revenue Cost Ratio Adjustment

Rate Class	Adju	sted Revenue A	Current Revenue Cost Ratio B	Re-A	Allocated Cost C = A / B	Proposed Revenue Cost Ratio D	F	al Adjusted Revenue E = C * D		ar Change = E - C	Percentage Change G = (E / C) - 1
Residential	\$	515,728	0.97	\$	529,115	0.97	\$	515,728	-\$	0	0.0%
General Service Less Than 50 kW	\$	157,527	1.04	\$	151,062	1.04	\$	157,527	-\$	0	0.0%
General Service 50 to 4,999 kW	\$	92,906	1.23	\$	75,423	1.22	\$	91,850	-\$	1,056	-1.1%
Unmetered Scattered Load	\$	1,928	1.19	\$	1,623	1.19	\$	1,928	-\$	0	0.0%
Sentinel Lighting	\$	2,162	0.61	\$	3,528	0.68	\$	2,400	\$	239	11.0%
Street Lighting	\$	30,195	0.78	\$	38,836	0.80	\$	30,929	\$	734	2.4%
	\$	800,446		\$	799,587		\$	800,363	-\$	83	0.0%

Out of Balance 83
Final ? No



Proposed Revenue from Revenue Cost Ratio Adjustment

Rate Class	Re	Adjusted evenue By renue Cost Ratio A	 located Re- sed Revenue Offsets B	Red fro Tra Al	Revenue quirement om Rates Before ansformer llowance C = A - B	Tra	e-based nsformer owance D	Re fr	Revenue equirement om Rates E = C + D
Residential	\$	515,728	\$ -	\$	515,728	\$	-	\$	515,728
General Service Less Than 50 kW	\$	157,527	\$ -	\$	157,527	\$	-	\$	157,527
General Service 50 to 4,999 kW	\$	91,850	\$ -	\$	91,850	\$	8,659	\$	100,510
Unmetered Scattered Load	\$	1,928	\$ -	\$	1,928	\$	-	\$	1,928
Sentinel Lighting	\$	2,400	\$ -	\$	2,400	\$	-	\$	2,400
Street Lighting	\$	30,929	\$ -	\$	30,929	\$	-	\$	30,929
	\$	800,363	\$ -	\$	800,363	\$	8,659	\$	809,022



Proposed fixed and variable revenue allocation

Rate Class	Rec	Revenue quirement from Rates A	Service Charge % Revenue B	Distribution Volumetric Rate % Revenue kWh C	Distribution Volumetric Rate % Revenue kW D	Se	ervice Charge Revenue E = A * B	Di	stribution Volumetric Rate Revenue kWh F = A * C	Dis	stribution Volumetric Rate Revenue kW G = A * D	Rat	Revenue equirement from es by Rate Class H = E + F + G
Residential	\$	515,728	61.9%	38.1%	0.0%	\$	319,234	\$	196,494	\$	-	\$	515,728
General Service Less Than 50 kW	\$	157,527	42.1%	57.9%	0.0%	\$	66,364	\$	91,163	\$	-	\$	157,527
General Service 50 to 4,999 kW	\$	100,510	31.4%	0.0%	68.6%	\$	31,527	\$	-	\$	68,983	\$	100,510
Unmetered Scattered Load	\$	1,928	87.7%	12.3%	0.0%	\$	1,691	\$	236	\$	-	\$	1,928
Sentinel Lighting	\$	2,400	69.5%	0.0%	30.5%	\$	1,667	\$	-	\$	733	\$	2,400
Street Lighting	\$	30,929	53.1%	0.0%	46.9%	\$	16,431	\$	-	\$	14,498	\$	30,929
	\$	809,022				\$	436,914	\$	287,894	\$	84,214	\$	809,022



Proposed fixed and variable rates

		Dist	ribution Volumetric	Dist	tribution Volumetric	Re-based Billed				Proposed Base	Proposed Base
Rate Class	vice Charge Revenue		Rate Revenue kWh	2.0	Rate Revenue kW	Customers or Connections	Re-based Billed kWh	Re-based Billed kW	Proposed Bas Service Charg	•	Distribution
	Α		В		С	D	E	F	G = A / D / 12	H = B / E	I = C / F
Residential	\$ 319,234	\$	196,494	\$	-	1,133	14,448,113	0	23.48	3 0.0136	-
General Service Less Than 50 kW	\$ 66,364	\$	91,163	\$	-	161	5,209,322	0	34.35	5 0.0175	-
General Service 50 to 4,999 kW	\$ 31,527	\$	-	\$	68,983	14	7,592,321	19,360	187.66	- 3	3.5632
Unmetered Scattered Load	\$ 1,691	\$	236	\$	-	6	7,209	0	23.49	0.0328	-
Sentinel Lighting	\$ 1,667	\$	-	\$	733	23	25,718	65	6.04	+ -	11.2758
Street Lighting	\$ 16,431	\$	-	\$	14,498	341	292,061	773	4.02		18.7559



Proposed adjustments to Base Service Charge and Distribution Volumetric Rate. Enter the adjustments found in column M and N below into Sheet 9 of the 2014 IRM Rate Generator Model.

Rate Class	posed Base vice Charge	D V	posed Base istribution /olumetric Rate kWh	0	oposed Base Distribution Volumetric Rate kW	irrent Base vice Charge	D V	irrent Base istribution 'olumetric Rate kWh	Di Ve	rrent Base stribution olumetric Rate kW	Re Sei	•	B	justment Required Base Distribution Iumetric Rate kWh		
	Α		в		С	D		E		F		G = A - D		H = B - E		l = C - F
Residential	\$ 23.48	\$	0.0136	\$	-	\$ 23.48	\$	0.0136	\$	-	\$	-	\$	-	\$	-
General Service Less Than 50 kW	\$ 34.35	\$	0.0175	\$	-	\$ 34.35	\$	0.0175	\$	-	\$	-	\$	-	\$	-
General Service 50 to 4,999 kW	\$ 187.66	\$	-	\$	3.5632	\$ 189.63	\$	-	\$	3.6006	-\$	1.97	\$	-	-\$	0.0374
Unmetered Scattered Load	\$ 23.49	\$	0.0328	\$	-	\$ 23.49	\$	0.0328	\$	-	\$	-	\$	-	\$	-
Sentinel Lighting	\$ 6.04	\$	-	\$	11.2758	\$ 5.44	\$	-	\$	10.1552	\$	0.60	\$	-	\$	1.1206
Street Lighting	\$ 4.02	\$	-	\$	18.7559	\$ 3.92	\$	-	\$	18.3108	\$	0.10	\$	-	\$	0.4451