



Revenue to Cost Ratio Adjustment Model for 2015 IRM Filers

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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.



Revenue to Cost Ratio Adjustment Model for 2015 IRM Filers

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Revenue to Cost Ratio Adjustment Model for 2015 IRM Filers

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	Re-based Billed kW C	Current Tariff Service Charge D	Current Tariff Distribution Volumetric Rate kWh E	Current Tariff Distribution Volumetric Rate kW F
RES	Residential	Customer	kWh	14,189	148,148,873		20.19	0.0180	
GSLT50	General Service Less Than 50 kW	Customer	kWh	910	31,781,016		33.29	0.0081	
GSGT50	General Service 50 to 4,999 kW	Customer	kW	66	51,329,341	147,666	147.01		3.0190
USL	Unmetered Scattered Load	Connection	kWh	78	474,652		10.25	0.0172	
Sen	Sentinel Lighting	Connection	kW	237	104,942	292	10.86		49.4721
SL	Street Lighting	Connection	kW	2,889	1,516,831	4,432	5.55		38.3564
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						



Revenue to Cost Ratio Adjustment Model for 2015 IRM Filers

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	20.19	0.0180	0.0000	0.00	0.0000	0.0000
General Service Less Than 50 kW	33.29	0.0081	0.0000	0.00	0.0000	0.0000
General Service 50 to 4,999 kW	147.01	0.0000	3.0190	0.00	0.0000	0.0000
Unmetered Scattered Load	10.25	0.0172	0.0000	0.00	0.0000	0.0000
Sentinel Lighting	10.86	0.0000	49.4721	0.00	0.0000	0.0000
Street Lighting	5.55	0.0000	38.3564	0.00	0.0000	0.0000



Revenue to Cost Ratio Adjustment Model for 2015 IRM Filers

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 kWh B	Re-based Billed kW C	Current Base Service Charge D	Current Base Distribution Volumetric Rate kWh E	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	14,189	148,148,873	0	20.19	0.0180	0.0000	3,437,711	2,666,680	0	6,104,391
General Service Less Than 50 kW	910	31,781,016	0	33.29	0.0081	0.0000	363,527	257,426	0	620,953
General Service 50 to 4,999 kW	66	51,329,341	147,666	147.01	0.0000	3.0190	116,432	0	445,804	562,236
Unmetered Scattered Load	78	474,652	0	10.25	0.0172	0.0000	9,594	8,164	0	17,758
Sentinel Lighting	237	104,942	292	10.86	0.0000	49.4721	30,886	0	14,446	45,332
Street Lighting	2,889	1,516,831	4,432	5.55	0.0000	38.3564	192,407	0	169,996	362,403
							4,150,557	2,932,270	630,245	7,713,072



Revenue to Cost Ratio Adjustment Model for 2015 IRM Filers

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 2014 Revenue to Cost Ratio Adjustment Workform (V2.0) or latest 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 2014	Transitio n Year 1 2015	Transitio n Year 2 2016	Transitio n Year 3 2017	Transitio n Year 4 2018	Transitio n Year 5 2019
Residential	No Change	97.70%	97.70%	97.70%	97.70%	97.70%	97.70%
General Service Less Than 50 kW	No Change	111.80%	111.80%	111.80%	111.80%	111.80%	111.80%
General Service 50 to 4,999 kW	No Change	120.00%	120.00%	120.00%	120.00%	120.00%	120.00%
Unmetered Scattered Load	No Change	120.00%	120.00%	120.00%	120.00%	120.00%	120.00%
Sentinel Lighting	No Change	97.70%	97.70%	97.70%	97.70%	97.70%	97.70%
Street Lighting	No Change	97.70%	97.70%	97.70%	97.70%	97.70%	97.70%



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Revenue to Cost Ratio Adjustment Model for 2015 IRM Filers

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	Percentage Split	Allocated Revenue
	Revenue Offsets		Offsets
	A	C= A / B	E = D * C
Residential	451,497	84.09%	451,497
General Service Less Than 50 kW	34,528	6.43%	34,528
General Service 50 to 4,999 kW	15,792	2.94%	15,792
Unmetered Scattered Load	1,530	0.28%	1,530
Sentinel Lighting	3,064	0.57%	3,064
Street Lighting	30,538	5.69%	30,538
	536,949	100.00%	536,949
	B		D



Revenue to Cost Ratio Adjustment Model for 2015 IRM Filers

The purpose of this sheet is to remove the transformer allowance from volumetric rates. In Cell E47, enter your Transformer Allowance as per your 2014 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.

Rate Class	Transformer Allowance In Rate	Transformer Allowance A	Transformer Allowance kW's C	Transformer Allowance Rate E	Volumetric Distribution Rate F	Billed kW's G	Adjusted Volumetric Distribution Rate $I = (F * (G - C) + (F - E) * C) / G$
Residential	No						
General Service Less Than 50 kW	No						
General Service 50 to 4,999 kW	Yes	16,715	27,858	0.6000	3.0190	147,666	2.9058
Unmetered Scattered Load	No						
Sentinel Lighting	No						
Street Lighting	No						
		16,715	27,858			147,666	
		B	D			H	
		-	0				



Revenue to Cost Ratio Adjustment Model for 2015 IRM Filers

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

Rate Class	Billed Customers		Billed kWh	Billed kW		Base Service Charge	Base Distribution Volumetric Rate kWh	Base Distribution Volumetric Rate kW	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
	or Connections											
	A	B										
Residential	14,189	148,148,873	0	0	20.19	0.0180	0.0000	3,437,711	2,666,680	0	6,104,391	
General Service Less Than 50 kW	910	31,781,016	0	0	33.29	0.0081	0.0000	363,527	257,426	0	620,953	
General Service 50 to 4,999 kW	66	51,329,341	147,666	0	147.01	0.0000	2.9058	116,432	0	429,089	545,521	
Unmetered Scattered Load	78	474,652	0	0	10.25	0.0172	0.0000	9,594	8,164	0	17,758	
Sentinel Lighting	237	104,942	292	0	10.86	0.0000	49.4721	30,886	0	14,446	45,332	
Street Lighting	2,889	1,516,831	4,432	0	5.55	0.0000	38.3564	192,407	0	169,996	362,403	
								4,150,557	2,932,270	613,530	7,696,357	



Revenue to Cost Ratio Adjustment Model for 2015 IRM Filers

Proposed Revenue Cost Ratio Adjustment

Rate Class	Adjusted Revenue	Current Revenue Cost Ratio	Re-Allocated Cost	Proposed Revenue Cost Ratio	Final Adjusted Revenue	Dollar Change	Percentage Change
	A	B	C = A / B	D	E = C * D	F = E - C	G = (E / C) - 1
Residential	\$ 6,555,888	0.98	\$ 6,710,223	0.98	\$ 6,555,888	-\$ 0	0.0%
General Service Less Than 50 kW	\$ 655,481	1.12	\$ 586,298	1.12	\$ 655,481	\$ 0	0.0%
General Service 50 to 4,999 kW	\$ 561,313	1.20	\$ 467,761	1.20	\$ 561,313	\$ 0	0.0%
Unmetered Scattered Load	\$ 19,288	1.20	\$ 16,073	1.20	\$ 19,288	\$ 0	0.0%
Sentinel Lighting	\$ 48,396	0.98	\$ 49,535	0.98	\$ 48,396	-\$ 0	0.0%
Street Lighting	\$ 392,941	0.98	\$ 402,191	0.98	\$ 392,941	-\$ 0	0.0%
	<u>\$ 8,233,306</u>		<u>\$ 8,232,081</u>		<u>\$ 8,233,306</u>	<u>\$ 0</u>	<u>0.0%</u>

Out of Balance - **0**

Final ? **Yes**



Revenue to Cost Ratio Adjustment Model for 2015 IRM Filers

Proposed Revenue from Revenue Cost Ratio Adjustment

Rate Class	Adjusted Revenue By Revenue Cost Ratio A	Allocated Re- Based Revenue Offsets B	Revenue Requirement from Rates Before Transformer Allowance C = A - B	Re-based Transformer Allowance D	Revenue Requirement from Rates E = C + D
Residential	\$ 6,555,888	\$ 451,497	\$ 6,104,391	\$ -	\$ 6,104,391
General Service Less Than 50 kW	\$ 655,481	\$ 34,528	\$ 620,953	\$ -	\$ 620,953
General Service 50 to 4,999 kW	\$ 561,313	\$ 15,792	\$ 545,521	\$ 16,715	\$ 562,236
Unmetered Scattered Load	\$ 19,288	\$ 1,530	\$ 17,758	\$ -	\$ 17,758
Sentinel Lighting	\$ 48,396	\$ 3,064	\$ 45,332	\$ -	\$ 45,332
Street Lighting	\$ 392,941	\$ 30,538	\$ 362,403	\$ -	\$ 362,403
	<u>\$ 8,233,306</u>	<u>\$ 536,949</u>	<u>\$ 7,696,357</u>	<u>\$ 16,715</u>	<u>\$ 7,713,072</u>



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Revenue to Cost Ratio Adjustment Model for 2015 IRM Filers

Proposed fixed and variable revenue allocation

Rate Class	Revenue Requirement from Rates A	Service Charge % Revenue B	Distribution Volumetric Rate % Revenue kWh C	Distribution Volumetric Rate % Revenue kW D	Service Charge Revenue E = A * B	Distribution Volumetric Rate Revenue kWh F = A * C	Distribution Volumetric Rate Revenue kW G = A * D	Revenue Requirement from Rates by Rate Class H = E + F + G
Residential	\$ 6,104,391	56.3%	43.7%	0.0%	\$ 3,437,711	\$ 2,666,680	\$ -	\$ 6,104,391
General Service Less Than 50 kW	\$ 620,953	58.5%	41.5%	0.0%	\$ 363,527	\$ 257,426	\$ -	\$ 620,953
General Service 50 to 4,999 kW	\$ 562,236	20.7%	0.0%	79.3%	\$ 116,432	\$ -	\$ 445,804	\$ 562,236
Unmetered Scattered Load	\$ 17,758	54.0%	46.0%	0.0%	\$ 9,594	\$ 8,164	\$ -	\$ 17,758
Sentinel Lighting	\$ 45,332	68.1%	0.0%	31.9%	\$ 30,886	\$ -	\$ 14,446	\$ 45,332
Street Lighting	\$ 362,403	53.1%	0.0%	46.9%	\$ 192,407	\$ -	\$ 169,996	\$ 362,403
	<u>\$ 7,713,072</u>				<u>\$ 4,150,557</u>	<u>\$ 2,932,270</u>	<u>\$ 630,245</u>	<u>\$ 7,713,072</u>



Revenue to Cost Ratio Adjustment Model for 2015 IRM Filers

Proposed fixed and variable rates

Rate Class	Distribution Volumetric		Distribution Volumetric		Re-based Billed		Re-based Billed		Re-based Billed		Proposed Base Service Charge G = A / D / 12	Proposed Base Distribution Volumetric Rate kWh H = B / E	Proposed Base Distribution Volumetric Rate kW I = C / F
	Service Charge Revenue A	Rate Revenue kWh B	Rate Revenue kW C	Customers or Connections D	Re-based Billed kWh E	Re-based Billed kW F							
Residential	\$ 3,437,711	\$ 2,666,680	\$ -	14,189	148,148,873	0			20.19	0.0180	-		
General Service Less Than 50 kW	\$ 363,527	\$ 257,426	\$ -	910	31,781,016	0			33.29	0.0081	-		
General Service 50 to 4,999 kW	\$ 116,432	\$ -	\$ 445,804	66	51,329,341	147,666			147.01	-	3.0190		
Unmetered Scattered Load	\$ 9,594	\$ 8,164	\$ -	78	474,652	0			10.25	0.0172	-		
Sentinel Lighting	\$ 30,886	\$ -	\$ 14,446	237	104,942	292			10.86	-	49.4721		
Street Lighting	\$ 192,407	\$ -	\$ 169,996	2,889	1,516,831	4,432			5.55	-	38.3564		



Revenue to Cost Ratio Adjustment Model

for 2015 IRM Filers

Proposed adjustments to Base Service Charge and Distribution Volumetric Rate. Enter the adjustments found in column M and N below into Sheet 24 of the 2015 IRM Rate Generator Model.

Rate Class	Proposed Base		Proposed Base		Current Base		Current Base		Adjustment		Adjustment Required		Adjustment	
	Service Charge	Volumetric Rate kWh	Distribution Rate kWh	Distribution Rate kW	Service Charge	Volumetric Rate kWh	Distribution Rate kWh	Distribution Rate kW	Required Base Service Charge	Base Distribution Volumetric Rate kWh	Base Distribution Volumetric Rate kW	Required Base Service Charge	Required Base Distribution Volumetric Rate kWh	Required Base Distribution Volumetric Rate kW
	A	B	C		D	E	F		G = A - D	H = B - E	I = C - F			
Residential	\$ 20.19	\$ 0.0180	\$ -		\$ 20.19	\$ 0.0180	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Service Less Than 50 kW	\$ 33.29	\$ 0.0081	\$ -		\$ 33.29	\$ 0.0081	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
General Service 50 to 4,999 kW	\$ 147.01	\$ -	\$ 3.0190		\$ 147.01	\$ -	\$ 3.0190		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unmetered Scattered Load	\$ 10.25	\$ 0.0172	\$ -		\$ 10.25	\$ 0.0172	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sentinel Lighting	\$ 10.86	\$ -	\$ 49.4721		\$ 10.86	\$ -	\$ 49.4721		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Street Lighting	\$ 5.55	\$ -	\$ 38.3564		\$ 5.55	\$ -	\$ 38.3564		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -