



## 3<sup>RD</sup> Generation Incentive Regulation Revenue to Cost Ratio Adjustment Model for 2013 Filers

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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.*



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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 May 1, 2012 (or subsequent) 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	1,133	14,448,113		20.15	0.0135	
GSLT50	General Service Less Than 50 kW	Customer	kWh	161	5,209,322		31.79	0.0174	
GSGT50	General Service 50 to 4,999 kW	Customer	kW	14	7,592,321	19,360	188.72		3.6405
USL	Unmetered Scattered Load	Connection	kWh	6	7,209		20.15	0.0326	
Sen	Sentinel Lighting	Connection	kW	23	25,718	65	4.41		8.6067
SL	Street Lighting	Connection	kW	341	292,061	773	3.50		14.4120
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						



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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	20.15	0.0135	0.0000	0.00	0.0000	0.0000
General Service Less Than 50 kW	31.79	0.0174	0.0000	0.00	0.0000	0.0000
General Service 50 to 4,999 kW	188.72	0.0000	3.6405	0.00	0.0000	0.0000
Unmetered Scattered Load	20.15	0.0326	0.0000	0.00	0.0000	0.0000
Sentinel Lighting	4.41	0.0000	8.6067	0.00	0.0000	0.0000
Street Lighting	3.50	0.0000	14.4120	0.00	0.0000	0.0000



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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 G	Distribution Volumetric Rate Revenue kWh H = B * E	Distribution Volumetric Rate Revenue kW I = C * F	Revenue Requireme nt from Rates J
Residential	1,133	14,448,113	0	20.15	0.0135	0.0000	273,959	195,050	0	469,009
General Service Less Than 50 kW	161	5,209,322	0	31.79	0.0174	0.0000	61,418	90,642	0	152,060
General Service 50 to 4,999 kW	14	7,592,321	19,360	188.72	0.0000	3.6405	31,705	0	70,480	102,185
Unmetered Scattered Load	6	7,209	0	20.15	0.0326	0.0000	1,451	235	0	1,686
Sentinel Lighting	23	25,718	65	4.41	0.0000	8.6067	1,217	0	559	1,777
Street Lighting	341	292,061	773	3.50	0.0000	14.4120	14,322	0	11,140	25,462
							384,073	285,927	82,180	752,179



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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 2012 IRM3 Supplemental Filing Module or 2012 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%



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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	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%	-
	B		D



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The purpose of this sheet is to remove the transformer allowance from volumetric rates. In Cell E47, enter your Transformer Allowance as per your 2012 IRM3 Supplemental Filing Module 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	Transformer Allowance kW's	Transformer Allowance Rate	Volumetric Distribution Rate	Billed kW's	Adjusted Volumetric Distribution Rate
		A	C	E	F	G	$I = (F * (G - C) + (F - E) * C) / G$
Residential	No						
General Service Less Than 50 kW	No						
General Service 50 to 4,999 kW	Yes	8,866	14,776	0.6000	3.6405	19,360	3.1826
Unmetered Scattered Load	No						
Sentinel Lighting	No						
Street Lighting	No						
		8,866	14,776			19,360	
		B	D			H	
		-	0				






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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 or Connections		Billed kWh		Billed kW		Base Service Charge D	Base Distribution Volumetric Rate kWh E	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
	A	B	C										
Residential	1,133	14,448,113	0	0	20.15	0.0135	0.0000	273,959	195,050	0	469,009		
General Service Less Than 50 kW	161	5,209,322	0	0	31.79	0.0174	0.0000	61,418	90,642	0	152,060		
General Service 50 to 4,999 kW	14	7,592,321	19,360	0	188.72	0.0000	3.1826	31,705	0	61,614	93,319		
Unmetered Scattered Load	6	7,209	0	0	20.15	0.0326	0.0000	1,451	235	0	1,686		
Sentinel Lighting	23	25,718	65	0	4.41	0.0000	8.6067	1,217	0	559	1,777		
Street Lighting	341	292,061	773	0	3.50	0.0000	14.4120	14,322	0	11,140	25,462		
								384,073	285,927	73,314	743,314		



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### Proposed Revenue Cost Ratio Adjustment

Rate Class	Adjusted Revenue A	Current Revenue Cost Ratio B	Re-Allocated Cost C = A / B	Proposed Revenue Cost Ratio D	Final Adjusted Revenue E = C * D	Dollar Change F = E - C	Percentage Change G = (E / C) - 1
Residential	\$ 469,009	0.97	\$ 481,183	0.97	\$ 469,009	-\$ 0	0.0%
General Service Less Than 50 kW	\$ 152,060	1.04	\$ 145,819	1.04	\$ 152,060	-\$ 0	0.0%
General Service 50 to 4,999 kW	\$ 93,319	1.23	\$ 75,759	1.22	\$ 92,259	-\$ 1,061	-1.1%
Unmetered Scattered Load	\$ 1,686	1.19	\$ 1,419	1.19	\$ 1,686	-\$ 0	0.0%
Sentinel Lighting	\$ 1,777	0.61	\$ 2,900	0.68	\$ 1,973	\$ 196	11.0%
Street Lighting	\$ 25,462	0.78	\$ 32,749	0.80	\$ 26,081	\$ 619	2.4%
	<u>\$ 743,314</u>		<u>\$ 739,829</u>		<u>\$ 743,068</u>	<u>-\$ 246</u>	<u>0.0%</u>

Out of Balance **246**

Final ? **No**



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### 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	\$ 469,009	\$ -	\$ 469,009	\$ -	\$ 469,009
General Service Less Than 50 kW	\$ 152,060	\$ -	\$ 152,060	\$ -	\$ 152,060
General Service 50 to 4,999 kW	\$ 92,259	\$ -	\$ 92,259	\$ 8,866	\$ 101,124
Unmetered Scattered Load	\$ 1,686	\$ -	\$ 1,686	\$ -	\$ 1,686
Sentinel Lighting	\$ 1,973	\$ -	\$ 1,973	\$ -	\$ 1,973
Street Lighting	\$ 26,081	\$ -	\$ 26,081	\$ -	\$ 26,081
	<u>\$ 743,068</u>	<u>\$ -</u>	<u>\$ 743,068</u>	<u>\$ 8,866</u>	<u>\$ 751,934</u>



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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	\$ 469,009	58.4%	41.6%	0.0%	\$ 273,959	\$ 195,050	\$ -	\$ 469,009
General Service Less Than 50 kW	\$ 152,060	40.4%	59.6%	0.0%	\$ 61,418	\$ 90,642	\$ -	\$ 152,060
General Service 50 to 4,999 kW	\$ 101,124	31.0%	0.0%	69.0%	\$ 31,376	\$ -	\$ 69,749	\$ 101,124
Unmetered Scattered Load	\$ 1,686	86.1%	13.9%	0.0%	\$ 1,451	\$ 235	\$ -	\$ 1,686
Sentinel Lighting	\$ 1,973	68.5%	0.0%	31.5%	\$ 1,351	\$ -	\$ 621	\$ 1,973
Street Lighting	\$ 26,081	56.2%	0.0%	43.8%	\$ 14,670	\$ -	\$ 11,411	\$ 26,081
	<u>\$ 751,934</u>				<u>\$ 384,226</u>	<u>\$ 285,927</u>	<u>\$ 81,781</u>	<u>\$ 751,934</u>



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Proposed fixed and variable rates

Rate Class	Distribution Volumetric			Re-based			Proposed Base Service Charge	Proposed Base Distribution Volumetric Rate kWh	Proposed Base Distribution Volumetric Rate kW
	Service Charge Revenue	Rate Revenue kWh	Rate Revenue kW	Billed Customers or Connections	Re-based Billed kWh	Re-based Billed kW			
A	B	C	D	E	F	G = A / D / 12	H = B / E	I = C / F	
Residential	\$ 273,959	\$ 195,050	\$ -	1,133	14,448,113	0	20.15	0.0135	-
General Service Less Than 50 kW	\$ 61,418	\$ 90,642	\$ -	161	5,209,322	0	31.79	0.0174	-
General Service 50 to 4,999 kW	\$ 31,376	\$ -	\$ 69,749	14	7,592,321	19,360	186.76	-	3.6027
Unmetered Scattered Load	\$ 1,451	\$ 235	\$ -	6	7,209	0	20.15	0.0326	-
Sentinel Lighting	\$ 1,351	\$ -	\$ 621	23	25,718	65	4.90	-	9.5564
Street Lighting	\$ 14,670	\$ -	\$ 11,411	341	292,061	773	3.59	-	14.7623



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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 2013 IRM Rate Generator Model.

Rate Class	Proposed Base			Current Base			Adjustment		
	Proposed Base Service Charge	Distribution Volumetric Rate kWh	Distribution Volumetric Rate kW	Current Base Service Charge	Distribution Volumetric Rate kWh	Distribution Volumetric Rate kW	Required Base Service Charge	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	\$ 20.15	\$ 0.0135	\$ -	\$ 20.15	\$ 0.0135	\$ -	\$ -	\$ -	\$ -
General Service Less Than 50 kW	\$ 31.79	\$ 0.0174	\$ -	\$ 31.79	\$ 0.0174	\$ -	\$ -	\$ -	\$ -
General Service 50 to 4,999 kW	\$ 186.76	\$ -	\$ 3.6027	\$ 188.72	\$ -	\$ 3.6405	-\$ 1.96	\$ -	-\$ 0.0378
Unmetered Scattered Load	\$ 20.15	\$ 0.0326	\$ -	\$ 20.15	\$ 0.0326	\$ -	\$ -	\$ -	\$ -
Sentinel Lighting	\$ 4.90	\$ -	\$ 9.5564	\$ 4.41	\$ -	\$ 8.6067	\$ 0.49	\$ -	\$ 0.9497
Street Lighting	\$ 3.59	\$ -	\$ 14.7623	\$ 3.50	\$ -	\$ 14.4120	\$ 0.09	\$ -	\$ 0.3503