Exhibit No.:	
Issue(s):	Class Cost of Service/
	Cost Allocations
Witness/Type of Exhib	it:Meisenheimer/Surrebuttal
Sponsoring Party:	Public Counsel
Case No.:	WR-2008-0311

SURREBUTTAL TESTIMONY

OF

BARBARA A. MEISENHEIMER

Submitted on Behalf of the Office of the Public Counsel

Missouri-American Water Company

Case No. WR-2008-0311

October 16, 2008

BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

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In the Matter of Missouri-American Water Company's request for authority to implement a general rate increase for water and sewer service provided in Missouri Service Areas

WR-2008-0311

AFFIDAVIT OF BARBARA A. MEISENHEIMER

SS

STATE OF MISSOURI

COUNTY OF COLE

Barbara A. Meisenheimer, of lawful age and being first duly sworn, deposes and states:

- 1. My name is Barbara A. Meisenheimer. I am the Chief Utility Economist for the Office of the Public Counsel.
- 2. Attached hereto and made a part hereof for all purposes is my surrebuttal testimony.
- 3. I hereby swear and affirm that my statements contained in the attached testimony are true and correct to the best of my knowledge and belief.

Sombor 1 7

Barbara A. Meisenheimer

Subscribed and sworn to me this 16th day of October 2008.

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KENDELLE R. SEIDNER My Commission Expires February 4, 2011 Cole County Commission #07004782

Kendelle R. Seidner, Notary Public

My commission expires February 4, 2011.

SURREBUTTAL TESTIMONY OF BARBARA A. MEISENHEIMER

MISSOURI-AMERICAN WATER COMPANY

CASE NO. WR-2008-0311

Q. PLEASE STATE YOUR NAME, TITLE, AND BUSINESS ADDRESS.

A. Barbara Meisenheimer, Chief Economist, Office of the Public Counsel, P. O. Box
 2230, Jefferson City, Missouri 65102.

Q. HAVE YOU TESTIFIED PREVIOUSLY IN THIS CASE?

A. Yes, I submitted direct testimony on the issues of district rate design for the Missouri American Water Company (MAWC or the Company) on September 5, 2008 and rebuttal testimony on the issues of rate design and revenue requirement on September 30, 2008.

Q. WHAT IS THE PURPOSE OF YOUR SURREBUTTAL TESTIMONY?

A. The purpose of my surrebuttal testimony is to make a correction to my Class Cost of Service (CCOS) studies and to respond to the rebuttal testimony of Company witness Paul Herbert and Donald Johnstone testifying on behalf of AG Processing, Inc., the City of Riverside and the Missouri Gaming Commission.

Q. PLEASE EXPLAIN THE CORRECTION YOU HAVE MADE TO THE CLASS COST OF SERVICE STUDIES FILED IN YOUR DIRECT TESTIMONY.

A. In response to an inquiry by Donald Johnstone, I reviewed my studies and found that the results of my CCOS studies filed in Table 1 and Schedules BAM REB 1-1 through BAM REB 1-9 of rebuttal testimony incorrectly stated the class cost by district. I have corrected the error. The correction did not affect either my primary rate design recommendations or the alternative recommendation for revenue neutral shifts presented in Table 2 of my rebuttal testimony.

Q. PLEASE REVIEW YOUR COST OF SERVICE FINDINGS.

A. My revised CCOS study results for individual districts are provided in Schedule
 BAM SUR 1-1 through Schedule BAM SUR 1-9. A summary comparing current
 cost percentage and revenue percentage by class and by district is provided in
 Table 1.

	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER PUBLIC AUTHORITY	SALES FOR RESALE	PRIVATE FIRI SERVICE
Jefferson City	Cost %	53.98%	30.16%	5.75%	8.53%		1.58%
	Revenue %	54.55%	29.59%	4.94%	8.13%		2.79%
Brunswick	Cost %	53.91%	13.93%	0.67%	2.08%	28.30%	1.11%
	Revenue %	51.72%	13.75%	0.97%	2.33%	28.66%	2.57%
Joplin	Cost %	49.46%	24.79%	12.94%	3.95%	2.26%	6.59%
	Revenue %	52.36%	21.55%	16.33%	3.56%	3.21%	2.99%
Mexico	Cost %	48.57%	13.77%	13.84%	8.80%	11.87%	3.15%
	Revenue %	46.70%	13.70%	16.47%	8.91%	10.76%	3.46%
Parkville	Cost %	70.24%	18.87%	0.39%	1.19%	6.47%	2.84%
	Revenue %	71.32%	19.56%	0.57%	1.20%	4.70%	2.65%
St. Charles	Cost %	80.05%	12.33%	0.01%	4.53%		3.08%
	Revenue %	84.59%	11.17%	0.02%	2.62%		1.59%
St. Joseph	Cost %	44.27%	16.67%	23.42%	3.46%	10.16%	2.02%
	Revenue %	47.70%	18.22%	20.60%	3.35%	9.07%	1.05%
Warrensburg	Cost %	58.27%	16.07%	1.95%	11.41%	8.31%	4.00%
	Revenue %	55.04%	20.26%	2.28%	12.36%	7.42%	2.63%
		RES COM OPA Rate A & K	INDUSTRIAL Rate J	OTHER WATER UTILITIES Rate B, G & H			PRIVATE FIR Rate E & H
St Louis	Cost %	88.58%	4.47%	4.34%			2.62%
	Revenue %	90.25%	4.51%	4.17%			1.07%

Table 1 illustrates that Residential Class revenues are generally aligned with costs. This result, coupled with the inherent imprecision in allocating joint and common costs and limitations in the data used to develop class allocations that I address later in this testimony, lead me to conclude that there is no compelling reason to implement significant revenue neutral shifts in this case.

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Q. PLEASE SUMMARIZE YOUR RATE DESIGN RECOMMENDATION.

A. My recommendations have not changed since rebuttal testimony. I recommended adjusting class revenues in each district, including the MSD rate, by an equal percent in order to generate district specific revenues with the caveat that the district specific increase for Brunswick and Warren County Water be phased-in over 3 years with the carrying cost to be paid by the district at a rate equal to the Company's Allowance for Funds Used During Construction (AFUDC) rate. I recommend the phase-ins collect 50% of the district deficiency in the first year, with the balance and carrying costs to be recovered in approximately equal amounts in years two and three. I also continue to recommend holding the residential and commercial customer charges at current levels.

If, despite my recommendation, the Commission decides to implement revenue neutral adjustments, with the exception of St. Louis, I would propose adjusting the Commercial, Industrial, Other Public Authority and Sales for Resale classes by an amount equal to half the amount needed to reach the class cost presented in my CCOS studies. The sum of these adjustments would be offset by the Residential Class. For St. Louis, I would recommend adjusting Rate Group J and Rate Groups, B, G & H by an amount equal to half the amount needed to reach the class cost presented in my CCOS studies. The sum of these adjustments would be offset by Rate Group A&K. Even if these adjustments are made, I recommend no change on a revenue neutral basis for the Fire Class in any district. The revenue neutral shifts that would result from this alternative proposal are shown in Table 2.

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	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER PUBLIC AUTHORITY	SALES FOR RESALE	PRIVATE FIRE SERVICE
Jefferson City	Shift %	-1.64%	0.97%	8.26%	2.45%		0.00%
Brunswick	Shift %	0.71%	0.67%	-15.66%	-5.40%	-0.63%	0.00%
Joplin	Shift %	0.67%	7.53%	-10.36%	5.57%	-14.87%	0.00%
Mexico	Shift %	1.67%	0.27%	-7.99%	-0.63%	5.17%	0.00%
Parkville	Shift %	-0.63%	-1.74%	-15.45%	-0.33%	18.76%	0.00%
St. Charles	Shift %	-1.81%	5.18%	-16.41%	36.29%		0.00%
St. Joseph	Shift %	-2.59%	-4.27%	6.85%	1.65%	6.01%	0.00%
Warrensburg	Shift %	4.17%	-10.35%	-7.38%	-3.84%	6.00%	0.00%
		RES COM OPA Rate A & K	INDUSTRIAL Rate J	SALE FOR RESALE Rate B, G & H			PRIVATE FIRE Rate E H
St Louis	Shift %	-0.07%	-0.40%	1.96%			0.00%

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Finally, I indicated that Public Counsel is not opposed to merging the St. Louis and St. Charles County districts since they are physically and operationally connected.

Q. IN REBUTTAL TESTIMONY, DONALD JOHNSTONE ARGUES THAT DISPROPORTIONAL CHANGES TO THE VOLUMETRIC BLOCK RATES FOR THE ST. JOSEPH AND PARKVILLE DISTRICTS ARE INAPPROPRIATE BECAUSE THERE ARE NO USAGE CHARACTERISTICS AVAILABLE FOR THE STATE OF MISSOURI AS A WHOLE OR FOR THE ST. JOSEPH AND PARKVILLE DISTRICTS. DO YOU SHARE HIS CONCERNS WITH THE DATA RELATED TO CUSTOMER CHARACTERISTICS THAT UNDERLY THE PARTIES CLASS COST OF SERVICE STUDIES?

A. Yes, I agree that the data is insufficient to support significant changes to the volumetric rate design. I also support Mr. Johnstone's recommendation that, provided it can be completed cost effectively, the Company should be required to collect and submit district specific data on customer demand characteristics in order to ensure that the customer classes used in CCOS studies include customers that have homogeneous usage patterns. I would like to point out that the data used to calculate the customer charge in the cost studies does not rely on the customer demand data referenced above.

Q. DO YOU AGREE WITH DONALD JOHNSTONE'S PROPOSAL TO INCREASE CUSTOMER CHARGES IN THE ST. JOSEPH DISTRICT TO THE LEVELS PROPOSED BY MAWC?

A. No. As I discussed in my rebuttal testimony, my CCOS studies do not support an increase in the customer charge for residential or small commercial customers. It is interesting to note that while Mr. Johnstone supports the Company's customer charge for the St. Joseph district in his testimony on behalf of AG Processing he appears to oppose the same recommendation for the Parkville district in his testimony on behalf of the City of Riverside and the Missouri Gaming Commission.

- 6 -

Q. PLEASE COMMENT ON MR HERBERT'S CONCERNS REGARDING THE STAFF'S AND PUBLIC COUNSEL'S USE OF NON-COINCIDENT PEAKS INSTEAD OF COINCIDENT PEAKS IN DEVELOPING PEAK HOUR FACTORS.

A. The American Water Works Association's M1 manual Appendix A recognizes that an analyst may use either non-coincident or coincident demands in developing max-hour capacity factors. Mr. Herbert points out that use of noncoincident demands results in a greater allocation of costs to the Residential class relative to other classes. In this respect, Staff's and Public Counsel's use of noncoincident peaks result in a more conservative results from the perspective of the Residential class.

DOES THIS CONCLUDE YOUR SURREBUTTAL TESTIMONY?

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A. Yes.

Q.

Schedule BAM SUR 1-1

Surrebuttal Testimony Barbara Meisenheimer WR-2008-0311

> Office of the Public Counsel MAWC Class Cost of Service Summary

Brunswick District

41	38 39	36	34	30 31 32	20 27 28	25	23	20 21	18	16	14	11	9	8 7 6 0	4 A	_{دى}	2	
Required revenue to reach post true-up Class COS	Class COS with Staff Recommended ROR Potential Post True-up Class COS Percentage	Net Operating Income with Recommended ROR True-up plus add't taxes	Staff Midpoint ROR	Net Operating Income with Equalized ROR Revenue Neutral Shift to Equalize Class ROR Revenue Increase/Decrease % of Current Revenue	Class COS with Equalized ROR Current Class COS Percentage	Net Operating Income with Equalized ROR	Implicit Rate of Return (ROR)	Spread of fire rate base to others TOTAL Rate Base after Spread	TOTAL Rate Base	Net OPERATING INCOME	TOTAL Current Revenues Current Revenue Percentage	Other Revenue Spread of fire revenue to others	Current Revenue Rate Revenue	Spread of fire expenses & taxes to others TOTAL Expenses and Taxes after Spread	TOTAL Expenses and Taxes	Current Income Taxes	O & M Expenses Depreciation ExpensesTOIT Def Tax Exp	CLASS COST OF SERVICE SUMMARY:
		25						15				25 15		15				
439,234	738,509 100.00%	122,784 31,928	7.823%	(284,522) (0) 0.00%	299,275 100.00%	(284,522)	-18.13%	307,589 1,569,529	1,569,529	(284,522)	299,275 100.00%	3,515 0	295,760	104,402 583,797	583,797	57,043	436,779 89,975	TOTAL
263,947	418,723 56.70%	72,522 16,812	7.823%	(168,051) 6,563 4.24%	161,338 53.91%	(168,051)	-18.84%	241,083 927,032	685,948	(174,614)	154,776 51.72%	1,851	152,925	81,828 329,389	247,561	24,930	182,091 40,540	RESIDENTIAL
64,334	105,484 14.28%	17,937 4,283	7.823%	(41,563) 551 1.34%	41,701 13.93%	(41,563)	-18.37%	57,467 229,279	171,812	(42,114)	41,151 13.75%	472 0	40,679	19,505 83,265	63,759	6,244	47,254 10,261	COMMERCIAL
1,906	4,817 0.65%	789 202	7.823%	(1,828) (912) - 31.33%	1,999 0.67%	(1,828)	-9.08%	2,243 10,081	7,838	(916)	2,910 0.97%	22 0	2,888	761 3,826	3,065	285	2,301 479	INDUSTRIAL
8,207	15,194 2.06%	2,507 645	7.823%	(5,810) (755) -10.80%	6,232 2.08%	(5,810)	-15.77%	6,796 32,050	25,254	(5,055)	6,987 2.33%	0 0	6,916	2,307 12,042	9,736	816	7,297	OTHER PUBLIC AUTHORITY
97,251	183,022 24.78%	26,822 9,364	7.823%	(62,153) (1,088) - 1.27%	84,682 28.30%	(62,153)	-17.81%	0 342,859	342,859	(61,065)	85,771 28.66%	1,031 0	84,740	146,836	146,836	12,461	113,329	SALES FOR RESALE
3,589	11,270 1.53%	2,208	7.823%	(5,117) (4,359) -56.75%	3,322 1.11%	(5,117)	-2.69%	0 28,227	28,227	. (758)	7,681 2.57%	0 69	7,612	0 8,439	8,439	1,026	5,935 1,478	PRIVATE FIRE SERVICE
			D`)	o	(307,589)	307,589) 0	0.00%	0 0	0	(104,402)	104,402		78,572 14.651	PUBLIC FIRE SERVICE

> Office of the Public Counsel MAWC Class Cost of Service Summary

Jefferson City

41 Required revenue to reach post true-up Class COS	 Net Operating Income with Recommended ROR True-up plus add'l taxes Class COS with Staff Recommended ROR Potential Post True-up Class COS Percentage 40 	34 Staff Midpoint ROR 35	 Net Operating Income with Equalized ROR Revenue Neutral Shift to Equalize Class ROR Revenue Increase/Decrease % of Current Revenue 33 	26 27 Class COS with Equalized ROR 28 Current Class COS Percentage 29	 23 Implicit Rate of Return (ROR) 24 25 Net Operating Income with Equalized ROR 	20 Spread of fire rate base to others 21 TOTAL Rate Base after Spread 22	18 TOTAL Rate Base 19	16 Net OPERATING INCOME	13 TOTAL Current Revenues 14 Current Revenue Percentage 15	 Other Revenue Spread of fire revenue to others 	9 Current Revenue 10 Rate Revenue	6 Spread of fire expenses & taxes to others 7 TOTAL Expenses and Taxes after Spread 8	4 IOTAL Expenses and Taxes 5	 O & M Expenses Depreciation ExpensesTOIT Def Tax Exp Current Income Taxes 	CLASS COST OF SERVICE SUMMARY:
	25					15			l	25 15		15			1
169,726	1,023,782 325,281 5,561,041 100.00%	7.823%	1,179,337 0 0.00%	5,391,315 100.00%	9.01% 1;179,337	2,260,860 13,086,819	13,086,819	1,179,337	5,391,315 100.00%	39,715 0	5.351.600	281,154 4,211,978	4,211,978	3,286,377 872,720 52,881	TOTAL
67,374	532,709 179,171 3,008,353 54.10%	7.823%	613,650 (30,856) - 1.05%	2,910,123 53.98%	9.46% 613,650	1,370,912 6,809,528	5,438,616	644,506	2,940,979 54.55%	21,876	2.919.103	170,483 2,296,473	2,125,990	1,721,432 382,582 21,976	RESIDENTIAL
80,641	314,642 97,623 1,675,839 30.14%	7.823%	362,450 30,825 1.93%	1,626,023 30,16%	8.25% 362,450	567,046 4,022,015	3,454,969	331,624	1,595,198 29.59%	0	1 583 279	70,516 1,263,574	1,193,058	943,265 235,832 13,961	COMMERCIAL
56,767	52,993 20,882 322,867 5.81%	7.823%	61,045 43,937 16.51%	310,038 5.75%	61,045	35,266 677,403	642,137	17,108	266,101 4.94%		263 551	4,386 248,993	244,607	196,935 45,078 2,595	INDUSTRIAL
31,779	97,174 25,045 470,248 8.46%	7.823%	111,939 21,498 4.90%	459,967 8.53%	7.28%	287,636 1,242,158	954,522	90,441	438,469 8.13%	3,058	435 411	35,770 348,028	312,259	243,866 64,536 3,857	OTHER PUBLIC AUTHORITY
			0	,	ġ.										SALES FOR RESALE
(66,835)	26,263 2,560 83,733 1.51%	7.823%	30,253 (65,405) -43.44%	85,164 1.58%	28.49% 30,253	0 335,715	335,715	95,659	150,569 2.79%	313 0	150 256	0 54,910	54,910	35,518 18,035 1,357	PRIVATE FIRE SERVICE
						(2,260,860)	2,260,860	0	0.00	0 0 0	D	(281,154)	281,154	145,361 126,657 9,136	PUBLIC FIRE SERVICE

Schedule BAM SUR 1-2

Office of the Public Counsel MAWC Class Cost of Service Summary

Mexico

Required revenue to reach post true-up Class COS	Crass COS with Starr Recommended KOR Potential Post True-up Class COS Percentage	IROR	Staff Midpoint ROR	 Net Operating Income with Equalized ROR Revenue Neutral Shift to Equalize Class ROR Revenue Increase/Decrease % of Current Revenue 	Class COS with Equalized ROR Current Class COS Percentage	Net Operating Income with Equalized ROR	Implicit Rate of Return (ROR)	 Spread of fire rate base to others TOTAL Rate Base after Spread 	3 TOTAL Rate Base	7 Net OPERATING INCOME	 IOTAL Current Revenues Current Revenue Percentage 	2 Spread of fire revenue to others	0 Rate Revenue 1 Other Revenue	8 9 Current Revenue	6 Spread of fire expenses & taxes to others 7 TOTAL Expenses and Taxes after Spread	5 IOTAL Expenses and Taxes	Current Inco	 O & M Expenses Depreciation ExpensesTOIT Def Tax Exp 	CLASS COST OF SERVICE SUMMARY:
		25						15				15	20		15				
(348,742)	3,185,054 100.00%	931,509 193,355	7.823%	1,473,606 (0) 0.00%	3,533,796 100,00%	1,473,606	12.38%	838,746 11,907,314	11,907,314	1,473,606	3,533,796 100.00%	0	3,480,713		157,506	2,060,190	(60,855)	1,522,991 598,054	TOTAL
(80,200)	1,570,020 49.29%	437,149 108,038	7.823%	691,550 66,163 4.01%	1,716,383 48.57%	691,550	11.19%	624,260 5,587,995	4,963,736	625,387	1,650,220 46.70%	0	1,620,560		117,228	907,605	(25,368)	671,756 261,217	RESIDENTIAL
(43,811)	440,369 13.83%	127,741 27,962	7.823%	202,081 2,567 0.53%	486,747 13.77%	202,081	12.22%	111,701 1,632,894	1,521,194	199,514	484,181 13.70%	0	476,504		20,976	263,690	(7,774)	195,504 75,960	COMMERCIAL
(154,856)	427,278 13.42%	137,012 17,934	7.823%	216,747 (93,054) - 15.98%	489,079 13.84%	216,747	17.69%	54,000 1,751,403	1,697,403	309,801	582,133 16.47%	+,723 0	577,210		10,141	262,192	(8,675)	190,468 80,398	INDUSTRIAL
(34,914)	279,915 8.79%	82,639 17,168	7.823%	130,731 (3,989) - 1.27%	310,840 8.80%	130,731	12.75%	48,785 1,056,361	1,007,575	134,721	314,829 8.91%	+,/13 0	310,116		9,161	170,947	(5,149)	126,904 49,193	OTHER PUBLIC AUTHORITY
(6,372)	373,766 11.74%	114,326 20,892	7.823%	180,858 39,269 10.33%	419,407 11.87%	180,858	9.69%	0 1,461,404	1,461,404	141,589	380,138 10.76%	0,733	374,403		238 549	238,549	(7,469)	176,629 69,389	SALES FOR RESALE
(28,589)	93,705 2.94%	32,642 1,362	7.823%	51,638 (10,955) -8.96%	111,339 3.15%	51,638	15.00%	0 417,257	417,257	62,593	122,294 3.46%	0	121,920		0	59,701	(2,132)	41,437 20.396	PRIVATE FIRE SERVICE
								(838,746)	838,746	0	0.00	0 0	0 0		(157,506)	157,506		120,293	PUBLIC FIRE SERVICE

Office of the Public Counsel MAWC Class Cost of Service Summary

Parkville

41 Required revenue to reach post true-up Class COS	 20 Class COS with Staff Recommended KOK 39 Potential Post True-up Class COS Percentage 40 		34 Staff Midpoint ROR 35	 Revenue Increase/Decrease % of Current Revenue 33 	30 Net Operating Income with Equalized ROR	28 Current Class COS Percentage 29		25 Net Operating Income with Equalized ROR 26	23 Implicit Rate of Return (ROR)24	22	20 Spread of fire rate base to others	18 TOTAL Rate Base 19	16 Net OPERATING INCOME	Current Rev		12 Spread of fire revenue to others	10 Rate Revenue	Current Rev	8 IOTAL Expenses and Taxes after Spread	6 Spread of fire expenses & taxes to others	4 IOTAL Expenses and Taxes 5	3 Current Income Taxes	2 Depreciation ExpensesTOIT Def Tax Exp	1 O & M Expenses	CLASS COST OF SERVICE SUMMARY:
		25									15				5	15				15					
824,155	4,745,840 100.00%	1,294,840 764,992	7.823%	(0) 0.00%	1,235,677	100.00%	3,921,685	1,235,677	7.47%	16,551,702	2,515,040	16,551,702	1,235,677	100.00%	589 100 2	43,605	3,878,080		2,686,008	271,826	2,686,008	137,688	1,185,973	1,362,347	TOTAL
540,443	3,337,433 70.32%	901,735 541,792	7.823%	(42,550) - 1.52%	860,534	70.24%	2,754,440	860,534	7.83%	11,526,717	1,911,827	9,614,890	903,084	2,720,220	7 706 000	30,882	2,766,088		1,893,906	206,630	1,687,276	79,983	709,417	897,876	RESIDENTIAL
128,361	895,334 18.87%	244,491 143,954	7.823%	(26,764) - 3.49%	233,320	18.87%	740,209	233,320	8.32%	3,125,285	538,251	2,587,034	260,084	19.56%	0	8,205	758,762		506,889	58,174	448,715	21,521	187,205	239,990	COMMERCIAL
(3,151)	19,033 0.40%	4,647 3,494	7.823%	(6,857) - 30.91%	4,434	0.39%	15,327	4,434	19.01%	59,399	8,483	50,916	11,291	0.57%	0	661	21,985		10,893	917	9,976	424	3,778	5,775	INDUSTRIAL
8,359	55,470 1.17%	16,139 7,935	7.823%	(314) -0.67%	15,402	1.19%	46,797	15,402	7.62%	206,306	56,479	149,828	15,716	47,111 1.20%	1 111	452	46,658		31,395	6,104	25,291	1,246	11,036	13,008	OTHER PUBLIC AUTHORITY
127,993	312,455 6.58%	81,750 55,032	7.823%	69,226 37.53%	78,015	6.47%	253,688	78,015	0.84%	1,044,999	0	1,044,999	8,789	184,462 4.70%	0	3,137	181,325		175,673		175,673	8,693	72,967	94,012	SALES FOR RESALE
22,150	126,115 2.66%	46,077 12,786	7.823%	7,259 6.98%	43,972	2.84%	111,224	43,972	6.23%	588,997	0	588,997	36,713	2.65%	0	729	103,236		67,252	0	67,252	4,900	39,355	22,997	PRIVATE FIRE SERVICE
											(2,515,040)	2,515,040	0	0.00%	0	0	26			(271,826)	271,826	20,922	162,216	889,88	PUBLIC FIRE SERVICE

Office of the Public Counsel MAWC Class Cost of Service Summary

St. Charles

41 Required revenue to reach post true-up Class COS	39 Potential Post True-up Class COS Percentage 40		34 Staff Midpoint ROR 35	32 Revenue Increase/Decrease % of Current Revenue 33		29 30 Net Operating Income with Equalized BOD	27 Class COS with Equalized ROR 28 Current Class COS Percentage		23 Implicit Rate of Return (ROR) 24	21 IUTAL Kate Base after Spread 22	Spread of fir	18 TOTAL Rate Base 19	16 Net OPERATING INCOME 17	14 Current Revenue Percentage 15	13 TOTAL Current Revenues	12 Spread of fire revenue to others	10 Rate Revenue	9 Current Revenue	8	6 Spread of fire expenses & taxes to others	5 IOTAL Expenses and Taxes	3 Current Income Taxes	2 Depreciation ExpensesTOIT Def Tax Exp	1 O & M Expenses	CLASS COST OF SERVICE SUMMARY:
		25									15				10	25				15					
(819,846)	9,481,176 100.00%	3,343,477 727,955	7.823%	0.00%	4,891,278		10,301,022 100.00%	4,891,278	11.44%	42,739,060	9,237,509	42,739,060	4,891,278	100.00%	0	287,351	10,013,671		5,409,744	1,174,111	5,409,744	(90,236)	2,029,455	3,470,525	TOTAL
(1,151,165)	.7,562,668 79.77%	2,676,191 556,084	7.823%	-5.37%	3,913,084 (468,355)		8,245,478 80.05%	3,915,084	12.81%	34,209,266	6,584,985	27,624,281	4,383,439	84.59%	0	219,507	8,494,326		4,330,394	836,968	3,493,426	(58,324)	1,326,542	2,225,207	RESIDENTIAL
29,999	1,180,694 12.45%	412,289 101,709	7.823%	10.35%	603,151 119,151		1,269,847	603,151	9.18%	5,270,215	1,675,656	3,594,559	483,999	11.17%	1 150 605	40,148	1,110,547		666,696	212,980	453,716	(7,589)	170,484	290,821	COMMERCIAL
(764)	1,298 0.01%	450 121	7.823%	-32.82%	658 (677)		1,385	658	23.21%	5,753	1,435	4,318	1,335	2,002 0.02%	0	48	2,014		727	182	544	(9)	204	350	INDUSTRIAL
154,542	424,941 4.48%	151,506 28,439	7.823%	72.57%	221,643 196,240		466,639	221,643	1.31%	1,936,676	975,433	961,243	25,403	2.62%	0	11,226	259,173		244,996	123,980	121,016	(2,029)	48,192	74,853	OTHER PUBLIC AUTHORITY
	,				- 0																				SALES FOR RESALE
147,541	311,574 3.29%	103,041 41,602	7.823%	93.66%	150,741 153,640		317,673	150,741	-0.22%	1,317,151	0	1,317,151	(2,899)	164,033	0	16,422	147,611		166,932	0	166,932	(2,781)	60,093	109.620	PRIVATE FIRE SERVICE
											(9,237,509)	9,237,509	0	0.00%	0	0	0			(1,174,111)	1,174,111	(19,503)	423,941	769.673	PUBLIC FIRE SERVICE

Schedule BAM SUR 1-5

Office of the Public Counsel MAWC Class Cost of Service Summary

Joplin

41 Required revenue to reach post true-up Class COS	 Chass COS with Start Recommended ROR Potential Post True-up Class COS Percentage 40 		34 Staff Midpoint ROR 35	32 Revenue Increase/Decrease % of Current Revenue 33				25 Net Operating Income with Equalized ROR 26	23 Implicit Rate of Return (ROR) 24	22	Spread of fir	18 TOTAL Rate Base 19	16 Net OPERATING INCOME	14 Current Revenue Percentage	TOTAL Current Revenues	11 Uther Revenue 25	Revenue	9 Current Revenue	O I AL Expenses and Taxes after Spread	6 Spread of fire expenses & taxes to others 15	5 I OTAL Expenses and Taxes	4 TOTAL	2 Deprectation Expenses TOIT Def Tax Exp	1 O & M Expenses	CLASS COST OF SERVICE SUMMARY:
1,419,209	14,889,809 100.00%	3,015,623 4,014,993	7.823%	0.00%	5,611,407 0	100.00%	13,470,600	5,611,407	14.56%	38,348,166	3,364,773	38,548,166	5,611,407	100.00%	002 012 11	241,081	13,229,519		7,859,193	925,265	7,859,193	(435,097)	2,230,591	6,063,699	TOTAL
(41,770)	7,012,069 47.09%	1,477,681 1,621,131	7.823%	-5.54%	2,749,637 (390,945)	49.46%	6,662,894	2,749,637	16.63%	18,888,926	2,524,862	16,364,064	3,140,582	52.36%	0 000 020 0	97,341	6,956,498		3,913,257	694,302	3,218,956	(184,703)	1,006,214	2,397,444	RESIDENTIAL
1,527,370	4,429,855 29.75%	711,530 1,702,769	7.823%	15.06%	1,324,000 437,072	24.79%	3,339,557	1,324,000	9.75%	9,095,359	609,474	8,485,886	886,928	21.55%	0	102,243	2,800,242		2,015,557	167,597	1,847,960	(95,781)	475,177	1,468,564	COMMERCIAL
(1,098,157)	1,100,990 7.39%	455,760 (249,980)	7.823%	-20.73%	848,068 (455,869)	12.94%	1,743,278	848,068	22.38%	5,825,895	120,002	5,705,894	1,303,937	2,199,147 16.33%	0	(15,010)	2,214,157		895,210	32,999	862,211	(64,403)	299,780	626,834	INDUSTRIAL
184,924	664,054 4.46 %	115,980 231,428	7.823%	11.13%	215,813 53,330	3.95%	532,459	215,813	10.96%	1,482,548	110,436	1,372,112	162,483	479,129 3.56%	0	13,896	465,233		316,646	30,368	286,278	(15,487)	76,804	224,961	OTHER PUBLIC AUTHORITY
(365,259)	67,496 0.45%	87,200 (161,498)	7.823%	-29.74%	162,260 (128,701)	2.26%	304,054	162,260	26.10%	1,114,661	0	1,114,661	290,961	452,735 3.21%	0	(9,697)	442,452		141,794		141,794	(12,581)	61,078	93,298	SALES FOR RESALE
1,212,100	1,615,345 10.85%	167,473 871,143	7.823%	120.30%	311,630 485,114	6.59%	888,359	311,630	-8.10%	2,140,776	0	2,140,776	(173,484)	403,245 2.99%	0	52,308	350,937		576,729	0	576,729	(24,163)	126,291	474.601	PRIVATE FIRE SERVICE
											(3,364,773)	3,364,773	0	0.00%	0	0	0			(925,265)	925,265	(37,979)	185.248	777.996	PUBLIC FIRE SERVICE

St. Joseph

41 Required revenue to reach post true-up Class COS	20 Class CO3 with State Recommended ROK 39 Potential Post True-up Class COS Percentage 40	 36 Net Operating Income with Recommended ROR 37 True-up plus add'l taxes 38 Class COS with Staff Decommendation BOD 	34 Staff Midpoint ROR 35	33 Kevenue Increase/Decrease % of Current Revenue			20 Current Class COS Percentage 29		25 Net Operating Income with Equalized ROR 26	 Implicit Rate of Return (ROR) 24 		20 Spread of fire rate base to others 21 TOTAL Rate Base after Spread	18 TOTAL Rate Base 19	16 Net OPERATING INCOME 17	14 Current Revenue Percentage 15	13 TOTAL Current Revenues	Spread of fir	G	9 Current Revenue Adi for Triumph	8	6 Spread of fire expenses & taxes to others	5	4 TOTAL Expansion and Taxan	 Depression Expenses (OI) Def Tax Exp Current Income Texas 	1 O & M Expenses	CLASS COST OF SERVICE SUMMARY:
		25										15					15	25			15		ſ			
(4,643,986)	18,240,363 100,00%	6,268,724 544,306	7.823%	0.00%	(0)	11,457,016	100.00%	22,884,349	11,457,016	14.30%	00,131,903	5,993,057	80,131,965	11,457,016	100.00%	22,884,349	0	290.799	77 503 55N	11,427,333	838,498	11,427,333	(626,653)	4,085,508	7,968,478	TOTAL
(2,871,777)	8,045,129 44.11%	2,751,487 192,396	7.823%	-7.21%	(786,912)	5,028,748	44.27%	10,129,994	5,028,748	16.54%	33,171,761	4,752,696	30,419,066	5,815,660	47.70%	10.916.906	0	107 789	10 014 117	5,101,246	664,957	4,436,289	(237,885)	1,576,212	3,097,962	RESIDENTIAL
(1.118.696)	3,051,391 16.73%	1,051,475 107,470	7.823%	-8.53%	(355,916)	1,921,725	16.67%	3,814,172	1,921,725	16.95%	15,440,814	861,182	12,579,632	2.277,641	18.22%	4.170.087	0	4,112,071	117 011 4	1,892,447	120,489	1,771,957	(98,376)	634,944	1,235,389	COMMERCIAL
(427 047)	4,280,594 23.47%	1,480,344 146,706	7.823%	13.70%	645,549	2,705,546	23.42%	5,359,090	2,705,546	10.89%	18,922,966	211,993	18,710,973	2,059,997	20.60%	4 713 541	0	4,033,102		2,653,544	29,660	2,623,883	(146,325)	940,408	1,829,800	INDUSTRIAL
1122 2411	635,291 3.48 %	219,272 23,966	7.823%	3.29%	25,273	400.752	3.46%	792,805	400,752	13.40%	2,802,912	167,187	2,635,725	375,479	3.35%	212 171	0	13 004		392,054	23,391	368,662	(20,612)	132,601	256,673	AUTHORITY
1010 1111	1,853,458 10.16%	638,302 55,819	7.823%		249,530	1.166.590		2,325,928	1,166,590	11.24%	8,159,294	0	8,159,294	917,060	9.07%	201 770 C	0 179,67	2.0		1,159,338		1,159,338			811,456	SALES FOR RESALE
124 615	374,498 2.05%	127,845 17,949	7.823%	92.74%	222,476	559 226	2.02%	462,360	233,655	0.68%	1,634,218	0	1,634,218	11,179	1.05%	720 007	0 680'6	230,294		228,704	0	228,704	(12,780)	84,664	156,821	PRIVATE FIRE SERVICE
												(5,993,057)	5,993,057	0	0.00%			0			(838,498)	838,498	(46,867)	304,989	580,376	PUBLIC FIRE SERVICE

Schedule BAM SUR 1-7

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Schedule BAM SUR 1-8

41	39 40	36 38	34	30 31 32 33	27 28 29	25 26	23 24	20 21 22	18	16 17	14 15	12	11		2					
Required revenue to reach post true-up Class COS	Potential Post True-up Class COS Percentage	Net Operating Income with Recommended ROR 25	Staff Midpoint ROR	Net Operating Income with Equalized ROR Revenue Neutral Shift to Equalize Class ROR Revenue Increase/Decrease % of Current Revenue	Class COS with Equalized ROR Current Class COS Percentage	Net Operating Income with Equalized ROR	Implicit Rate of Return (ROR)	Spread of fire rate base to others 15	TOTAL Rate Base	Net OPERATING INCOME	Current Revenue Percentage	Spread of fire revenue to others	Other Revenue 25	Current Rev	IOTAL Expenses and Taxes after Spread	Spread of fire expenses & taxes to oth 15	IOTAL Expenses and Taxes	Current Income Taxes	Depreciation ExpensesTOIT Def Tax Exp	CLASS COST OF SERVICE SUMMARY:
18,075,378	148,612,125 100.00%	32,913,247 7,573,290	7.823%	22,411,159 0 0.00%	130,536,747 100.00%	22,411,159	5.33%	27,510,433 420,724,104	420,724,104	22,411,159	130,536,747 100.00%	6,537,318	129,215,522		108,125,588	4,455,719	108,125,588	5,531,436	74,692,151 27,902,001	TOTAL
14,050,912	131,866,842 88.73%	30,463,462 6,521,342	7.823%	20,743,061 (2,190,831) - 1.86%	115,625,098 88.58%	20,743,061	5.89%	26,604,668 389,408,950	362,804,282	22,933,892	117,815,930 90.25%	6,322,081	110,356,145		94,882,037	4,309,017	90,573,020	4,769,940	62,136,726 23,666,354	RATE A & K
619,439	6,502,293 4.38%	714,505 438,283	7.823%	486,518 (46,830) - 0.80%	5,836,023 4.47%	486,518	5.84%	905,764 9,133,385	8,227,621	533,348	5,882,853 4.51%	215,237	5,591,154		5,349,505	146,702	5,202,803	108,172	4,325,851 768,781	RATE J
812,969	6,259,663 4.21%	433,198 461,769	7.823%	294,972 212,974 3,91%	5,659,668 4.34%	294,972	1.48%	0 5,537,496	5,537,496	81,998	5,446,694 4.17%	0	5,366,135		5,364,696	0	5,364,696	72,804	4,624,527 667,365	RATE B, G & H
				0 0	,	1														
2,592,058	3,983,327 2.68%	1,302,081 151,896	7.823%	886,608 2,024,688 145.53%	3,415,958 2.62%	886,608	-6.84%	0 16,644,273	16,644,273	(1,138,080)	1,391,270 1.07%	0 0	1,364,770		2,529,349	0	2,529,349	218,829	1,311,243	PRIVATE FIRE SERVICE
								(27,510,433)	27,510,433	0	0 0.00%	0 0	6,537,318		1	(4.455.719)	4,455,719	361.691	2,293,804	PUBLIC FIRE SERVICE

Office of the Public Counsel MAWC Class Cost of Service Summary

St. Louis County

Surrebuttal Testimony Barbara Meisenheimer WR-2008-0311

WR-2008-0311	Barbara Meise	Surrebuttal T
	Meisenheimer	Testimony

Office of the Public Counsel MAWC Class Cost of Service Summary

Warrensburg

	41	30 39 40	37	36	334 35	33	10	30	29	28	26	25	23 24	21 22	20	18 19	16 17	14 15	1.1	12	11	10	~ ~ ~	6	t N	<u>م</u> د	2 1	, <u> </u>	
	Required revenue to reach post true-up Class COS	Class COS with Starr Recommended ROR Potential Post True-up Class COS Percentage	True-up plus add'l taxes 25	Net Operating Income with Recommended ROR	Staff Midpoint ROR	ACTUAL AND ASS DECLEASE 70 OF CUFFERE REVENUE	Revenue Increase/Decrease 0/ of Comment Decrease/	Net Operating Income with Equalized ROR	Q	Current Class COS Percentage		Net Operating Income with Equalized ROR should	Implicit Rate of Return (ROR)	IOTAL Kate Base after Spread	Spread of fire rate base to others 15	TOTAL Rate Base	Net OPERATING INCOME	Current Kevenue Percentage	I UI AL Current Revenues		Other Revenue 25	Current Revenue Rate Revenue	Comment Designed and Farves and Shruth	Spread of fire expenses & taxes to others 15	TOTAL Expenses and Taxes	Current Income Laxes	Depreciation Expenses I OIT Def Tax Exp	O & M Expenses	warrensburg CLASS COST OF SERVICE SUMMARY:
	424,082	3,562,967 100.00%	178,285	1,158,120	7.823%	0.00%	0	912,323	100.0070	3,138,885		912,323	6.16%	14,804,037	2,196,635	14,804,037	912,323	100.00%	3,138,885	0	78,447	3,060,438	2,220,002	248,608	2,226,562	178,333	690,209	1,358,020	TOTAL
	346,107	2,073,855 58.21%	106,340	652,793	7.823%	5.80%	101,220	514,245	20.2770	1,828,969		514,245	4.95%	8,344,530	1,625,624	6,718,906	413,025	55.04%	1,727,748	0	46,790	1,680,958	1,314,723	183,983	1,130,741	80,938	334,712	715,091	RESIDENTIAL
	(63,177)	572,752 16.08%	27,466	192,966	7.823%	-20.69%	(131,598)	152,011	10.0770	504,331		152,011	11.50%	2,466,650	308,362	2,158,287	283,610	20.26%	635,929	0	12,085	623,844	02,520	34,899	317,420	25,999	100,239	191,182	COMMERCIAL
	(2,205)	69,473 1.95%	3,574	22,611	7.823%	-14.76%	(10,579)	17,812	1.9370	61,100		17.812	9.82%	289,029	30,904	258,124	28,391	2.28%	71,679	0	1,573	70,106	45,288	3,498	39,791	3,109	11,969	24,712	INDUSTRIAL
Schedule BAM SUR 1-9	18,728	406,770 11.42%	19,555	136,435	7.823%	-7.68%	(29,784)	107,479	11.4170	358,259		107.479	7.87%	1,744,027	231,744	1,512,283	137,262	12.36%	388,042	0	8,604	379.438	250,780	26,228	224,552	18,217	69,215	137,120	OTHER PUBLIC AUTHORITY
	64,630	297,477 8.35%	16,144	96.773	7.823%	12.00%	27,948	76,234	0.31%	260,794		76.234	3.90%	1,237,032	0	1,237,032	48,286	7.42%	232,846	0	7,103	225.743	184,560		184,560	14,902	54,428	115,230	SALES FOR RESALE
	59,999	142,639 4.00%	5,206	56.542	7.823%	51.78%	42,793	44,542	4.00%	125,432		44 542	0.24%	722,769	0	722,769	1,749	2.63%	82,640	0	2,291	80.349	80,891	0	80,891	8,707	30,738	41,446	PRIVATE FIRE SERVICE