Exhibit No.:
Issues: Class Cost of Service, Rates
Witness: Hubbs, Wendell R.
Sponsoring Party: MoPSC Staff
Case Nos.: WR-2000-281 & SR-2000-282

MISSOURI PUBLIC SERVICE COMMISSION

UTILITY OPERATIONS DIVISION

MISSOURI-AMERICAN WATER COMPANY
WATER & SEWER RATE CASE
CASE NOS. WR-2000-281 & SR-2000-282

SUPPLEMENTAL DIRECT TESTIMONY

OF

WENDELL R. HUBBS

Jefferson City, Missouri
April, 2000

SUPPLEMENTAL DIRECT TESTIMONY
OF
WENDELL R. HUBBS
CASE NOS. WR-2000-281 & SR-2000-282
MISSOURI AMERICAN WATER COMPANY

Q. Please state your name and business address.

A. My name is Wendell R. Hubbs and my business address is Truman State Office Building, Room 530, 301 West High Street, Jefferson City, Missouri, 65101.

Q. Are you the same Wendell R. Hubbs that previously filed direct testimony in this proceeding on behalf of the Missouri Public Service Commission Staff (Staff)?

A. Yes, I am.

Q. What is the purpose of this Supplemental Direct Testimony?

A. To file my class cost of service and rate design Schedules in the case papers for this proceeding.

Q. What Schedules are you including with this testimony?

A. Attached to this testimony are Schedules summarizing the cost of service allocation to the various customer classes, as discussed in my previous testimony.

Q. Please explain your Schedules.

A. There are three Schedules for each operating district for water service. The first Schedule (Schedule WRH 1) for each district shows the summary of my allocations of the Staff's district cost of service to each customer class in the district.

Q. Please explain your second Schedule.

A. The first page of the second Schedule (Schedule WRH 2-1) for each district shows the billing determinants for each customer class, the revenues generated at the current rates for each customer class and the revenues generated at the proposed rates for each customer class. A comparison between currently generated revenues and the revenues that would be generated using the proposed rates, shown as both a dollar increase or decrease and the related percentage increase or decrease, is also included on this page. Pages 2 through 8 of the second Schedule (Schedules WRH 2-2 through WRH 2-8) summarize the current and proposed customer charges and consumption charges for each customer class in each district.

Q. Are the proposed customer charges and consumption charges shown on Schedules WRH 2-2 through WRH 2-8 designed to recover the allocated cost of service for each customer class in each district?

A. Yes, they are. These charges can be summarized as being a 19.2 % increase in the customer charges for each customer class and multiple increases in the consumption charges for each customer class, which are designed to recover the total cost of service allocated to each customer class in each district.

Q. Please explain your third Schedule.

A. My third Schedule for each district (Schedule WRH 3) is a bill comparison that shows what the impact of implementing the proposed customer charges and consumption charges would be on residential customers at different levels of monthly water usage. This Schedule shows the dollar amount of increase or decrease per month and the related percentage increase or decrease at each level of monthly water usage.

Q. What is your proposal on rate design for the sewer customers of the Company?

A. I recommend that the customer rates be increased by the same percentage as the percentage of increase in the allocated cost of service as compared to the revenues generated at the current rates. This will create rates designed to recover the cost of service for the Company's sewer service.

Q. Have your workpapers been made available to all parties to this proceeding?

A. Yes, they have. An electronic version of all of my workpapers supporting the customer class allocations of the Staff's cost of service has been e-mailed to the attorneys for all parties of record.

Q. Does this conclude your pre-filed direct testimony in this proceeding?

A. Yes, it does.

BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI

In the Matter of Missouri-American Water Company's	)	
Tariff Sheets Designed to Implement General Rate	)	Case No. WR-2000-281
Increases for Water and Sewer Service provided to	)	Case No. SR-2000-282
customers in the Missouri Service area of the Company	)	(Consolidated)

AFFIDAVIT OF WENDELL R. HUBBS

STATE OF MISSOURI)
) ss
COUNTY OF COLE)

Wendell R. Hubbs, of lawful age, on his oath states: that he has participated in the preparation of the foregoing written testimony in question and answer form; consisting of 3 pages and 21 schedules, to be presented in this case; that the answers in the foregoing testimony were given by him; that he has knowledge of the matters set forth in such answers; and that such matters are true and correct to the best of his knowledge and belief.

Wendell R. Hubbs

Wendell R. Hubbs

Subscribed and sworn to before me this 14th day of April, 2000.

Sharon S. Wiles

Notary Public

SHARON S WILES
NOTARY PUBLIC STATE OF MISSOURI
COLE COUNTY
MY COMMISSION EXP. AUG. 23,2002

My commission expires ______________________

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
Brunswick District

Cost of Service by Class

DESCRIPTION	Totals	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER PUB. AUTH.	OTHER WATER UTIL.	PRIVATE FIRE	PUBLIC FIRE	TOTAL
O & M Expenses	$244,100	$95,026	$24,753	$1,461	$3,353	$92,227	$2,405	$24,876	$244,100
Depreciation & Amortization	$42,106	$16,347	$4,279	$258	$577	$15,382	$338	$4,926	$42,106
Taxes	$17,237	$5,726	$1,503	$87	$218	$6,173	$267	$3,263	$17,237
Return on Investment	$69,632	$25,881	$6,795	$406	$933	$25,343	$708	$9,566	$69,632
Uncollectables	$1,359	$1,359							
Income Taxes	$36,176	$13,446	$3,530	$211	$485	$13,166	$368	$4,970	$36,176
TOTAL REQUIREMENT	$410,610	$157,785	$40,860	$2,423	$5,566	$152,291	$4,086	$47,601	$410,611
		74.88%	19.39%	1.15%	2.64%		1.94%		100.00%
Public Fire Redistributed	$47,601	$35,643	$9,230	$547	$1,257		$923		$47,601
Cost Of Service By Class	**$410,610**	**$193,428**	**$50,090**	**$2,971**	**$6,823**	**$152,291**	**$5,009**	**$0**	**$410,611**
		$190,970	50,090	2,971	6,823	152,291	5,009	$408,154	

Brunswick
Schedule WRH 1

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
Brunswick District

REVENUE ANALYSIS

Missouri Public Service Commission
Company: Missouri-American Water Company
Brunswick District

Line No.									
1		Sales	Number of	Present Rates		Proposed Rates		Dollar	Total Revenue
2	Class	M Gals	Customers	Total Revenue	% to Total	Total Revenue	% to Total	Increase	% Increase
3	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
4									
5	Residential	17,400.8	382	$61,946	55.44%	$190,970	46.50%	$129,024	208.28%
6									
7	Commercial	5,392.1	69	15,876	14.21%	50,090	12.20%	34,214	215.51%
8									
9	Industrial	384.0	3	1,080	0.97%	2,971	0.72%	1,891	175.09%
10									
11	Other Public Authority	732.0	6	2,126	1.90%	6,823	1.66%	4,697	220.93%
12									
13	Sales for Resale	21,571.0	5	25,801	23.09%	152,291	37.09%	126,490	490.25%
14									
15	Private Fire	0.0		2,554	2.29%	5,009	1.22%	2,455	96.12%
16									
17	Miscellaneous	22.0		55	0.05%	165	0.04%	110	200.00%
18									
19	Total Water Sales	45,501.9		109,438	97.95%	408,319	99.43%	298,881	273.11%
20									
21									
22	Reconnect Charges			2,140	1.92%	2,140	0.52%	0	0.00%
23	Other Service Charge Revenues			129	0.12%	129	0.03%	0	0.00%
24	Rents from Water Property			0	0.00%	0	0.00%	0	0.00%
25	Miscellaneous Revenues			24	0.02%	24	0.01%	0	0.00%
26									
27									
28	Total Pro Forma Operating Revenues			$111,731	100.01%	$410,612	99.99%	$298,881	267.50%
29									

Brunswick
Schedule WRH 2-1

Missouri American Water Company
WR-200-281
Brunswick District

Residental Revenue
Rates & Analysis

Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
Residential - Customer Charges:							
Monthly - Brunswick							
5/8 inch	4,548.0	$5.94	$27,015	4,548.0	$7.08	$32,202	
3/4 inch	0.0	7.60	0	0.0	$9.06	0	
1 inch	0.0	10.77	0	0.0	$12.84	0	
1-1/2 inch	0.0	18.73	0	0.0	$22.33	0	
2 inch	36.0	28.28	1,018	36.0	$33.71	1,214	
3 inch	0.0	50.54	0	0.0	$60.24	0	
4 inch	0.0	82.34	0	0.0	$98.15	0	
6 inch	0.0	161.85	0	0.0	$192.93	0	
8 inch	0.0	257.26	0	0.0	$306.65	0	
Total Customer Meter Billings	4,584.0		28,033	4,584.0		33,416	19.20%
Residential - Consumption Charges							
Monthly M Gals - Brunswick							
First 100 M Gals per month	17,282.1	$1.9546	33,783	17,282.1	$9.0668	156,693	
Next 1,900 M Gals per month	118.7	$1.0951	130	118.7	$7.2534	861	
Mext 3.000 M Gals per month	0.0	$0.8451	0	0.0	$3.9198	0	
All over 5,000 M Gals per month		$0.5691		0.0	$2.6396	0	
Total Consumption Charges	17,400.8		33,913	17,400.8		157,554	364.58%
Reconciling Items	0		0	0.0		0	0.00%
Total Residential	17,400.8	(M Gals)	$61,946	17,400.8	(M Gals)	$190,970	208.28%

Brunswick
Schedule WRH 2-2

Missouri American Water Company
WR-200-281
Brunswick District

Commercial Revenue
Rates & Analysis

Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
Commercial - Customer Charges:							
Monthly - Brunswick							
5/8 inch	744.0	$5.94	$4,419	744.0	$7.08	$5,268	
3/4 inch	0.0	7.60	0	0.0	9.06	0	
1 inch	60.0	10.77	646	60.0	12.84	770	
1-1/2 inch	0.0	18.73	0	0.0	22.33	0	
2 inch	24.0	28.28	679	24.0	33.71	809	
3 inch	0.0	50.54	0	0.0	60.24	0	
4 inch	0.0	82.34	0	0.0	98.15	0	
6 inch	0.0	161.85	0	0.0	192.93	0	
8 inch	0.0	257.26	0	0.0	306.65	0	
Total Customer Meter Billings	828.0		5,744	828.0		6,847	19.20%
Commercial - Consumption Charges							
Monthly M Gals - Brunswick							
First 100 M Gals per month	4,917.1	$1.9548	9,612	4,917.1	$8.1638	40,141	
Next 1,900 M Gals per month	475.0	$1.0951	520	475.0	$6.5309	3,102	
Mext 3.000 M Gals per month	0.0	$0.8451	0	0.0	$3.5293	0	
All over 5,000 M Gals per month		$0.5691		0.0	$2.3767	0	
Total Consumption Charges	5,392.1		10,132	5,392.1		43,243	326.80%
Reconciling Items	0		0	0.0		0	0.00%
Total Commercial	5,392.1	(M Gals)	$15,876	5,392.1	(M Gals)	$50,090	215.51%

Brunswick
Schedule WRH 2-3

Missouri American Water Company
WR-200-281
Brunswick District

Industrial Revenue
Rates & Analysis

	Class/ Description	Present: Meters	Rates	Revenue
89				
90				
91	(A)	(B)	(C)	(D)
92	**Industrial - Customer Charges:**			
93	**Monthly - Brunswick**			
94	5/8 inch	12.0	$5.94	$71
95	3/4 inch	0.0	7.60	0
96	1 inch	24.0	10.77	258
97	1-1/2 inch	0.0	18.73	0
98	2 inch	0.0	28.28	0
99	3 inch	0.0	50.54	0
100	4 inch	0.0	82.34	0
101	6 inch	0.0	161.85	0
102	8 inch	0.0	257.26	0
103	Total Customer Meter Billings	36.0		329
104				
105	**Industrial - Consumption Charges**			
106	**Monthly M Gals - Brunswick**			
107	First 100 M Gals per month	384.0	$1.9548	751
108	Next 1,900 M Gals per month	0.0	$1.0951	0
109	Mext 3.000 M Gals per month	0.0	$0.8451	0
110	All over 5,000 M Gals per month		$0.5691	
111	Total Consumption Charges	384.0		751
112				
113	Reconciling Items			
114				
115	Total Industrial	384.0	(M Gals)	$1,080
116				

	Proposed: Meters	Rates	Revenue	
	(E)	(F)	(G)	
Industrial - Customer Charges:				
Monthly - Brunswick				
5/8 inch	12.0	$7.08	$85	
3/4 inch	0.0	9.06	0	
1 inch	24.0	12.84	308	
1-1/2 inch	0.0	22.33	0	
2 inch	0.0	33.71	0	
3 inch	0.0	60.24	0	
4 inch	0.0	98.15	0	
6 inch	0.0	192.93	0	
8 inch	0.0	306.65	0	
	36.0		393	19.45%
Industrial - Consumption Charges				
Monthly M Gals - Brunswick				
First 100 M Gals per month	384.0	$6.7123	2,578	
Next 1,900 M Gals per month	0.0	$5.3698	0	
Mext 3.000 M Gals per month	0.0	$2.9019	0	
All over 5,000 M Gals per month	0.0	$1.9541	0	
	384.0		2,578	243.28%
	384.0	(M Gals)	$2,971	175.08%

Brunswick
Schedule WRH 2-4

Missouri American Water Company
WR-200-281
Brunswick District

Other Public Authority (OPA) Revenue
Rates & Analysis

Line	Class/ Description (A)	Present Meters (B)	Present Rates (C)	Present Revenue (D)	Proposed Meters (E)	Proposed Rates (F)	Proposed Revenue (G)	
121	**OPA - Customer Charges:**							
122	**Monthly - Brunswick**							
123	5/8 inch	60.0	$5.94	$356	60.0	$7.08	$425	
124	3/4 inch	0.0	7.60	0	0.0	9.06	0	
125	1 inch	0.0	10.77	0	0.0	12.84	0	
126	1-1/2 inch	0.0	18.73	0	0.0	22.33	0	
127	2 inch	12.0	28.28	339	12.0	33.71	405	
128	3 inch	0.0	50.54	0	0.0	60.24	0	
129	4 inch	0.0	82.34	0	0.0	98.15	0	
130	6 inch	0.0	161.85	0	0.0	192.93	0	
131	8 inch	0.0	257.26	0	0.0	306.65	0	
132	Total Customer Meter Billings	72.0		695	72.0		830	19.42%
133								
134	**OPA - Consumption Charges**							
135	**Monthly M Gals - Brunswick**							
136	First 100 M Gals per month	732.0	$1.9548	1,431	732.0	$8.1870	5,993	
137	Next 1,900 M Gals per month	0.0	$1.0951	0	0.0	$6.5496	0	
138	Mext 3.000 M Gals per month	0.0	$0.8451	0	0.0	$3.5394	0	
139	All over 5,000 M Gals per month	0	$0.5691	0	0.0	$2.3835	0	
140	Total Consumption Charges	732.0		1,431	732.0		5,993	318.80%
141								
142	Reconciling Items						0	
143								
144	Total OPA	732.0	(M Gals)	$2,126	732.0	(M Gals)	$6,823	220.93%
145								

Brunswick
Schedule WRH 2-5

Missouri American Water Company
WR-200-281
Brunswick District

Other Water Utilities Revenue
(Resale)
Rates & Analysis

Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
Resale - Customer Charges:							
Monthly - Brunswick							
5/8 inch	12.0	$5.94	$71	12.0	$7.08	$85	
3/4 inch	0.0	7.60	0	0.0	9.06	0	
1 inch	12.0	10.77	129	12.0	12.84	154	
1-1/2 inch	0.0	18.73	0	0.0	22.33	0	
2 inch	36.0	28.28	1,018	36.0	33.71	1,214	
3 inch	0.0	50.54	0	0.0	60.24	0	
4 inch	0.0	82.34	0	0.0	98.15	0	
6 inch	0.0	161.85	0	0.0	192.93	0	
8 inch	0.0	257.26	0	0.0	306.65	0	
Total Customer Meter Billings	60.0		1,218	60.0		1,453	19.29%
Resale - Consumption Charges							
Monthly M Gals - Brunswick							
First 100 M Gals per month	1,200.0	$1.9548	2,346	1,200.0	$8.6723	10,407	
Next 1,900 M Gals per month	20,089.0	$1.0951	21,999	20,089.0	$6.9378	139,374	
Mext 3.000 M Gals per month	282.0	$0.8451	238	282.0	$3.7492	1,057	
Al over 5,000 M Gals per month		$0.5691		0.0	$2.5248	0	
Total Consumption Charges	21,571.0		24,583	21,571.0		150,838	513.59%
Reconciling Items	0.0		0	0.0		0	--
Total Resale	21,571.0	(M Gals)	$25,801	21,571.0	(M Gals)	$152,291	490.25%

Brunswick
Schedule WRH 2-6

Missouri American Water Company
WR-200-281
Brunswick District

Private Fire Revenue
Rates & Analysis

Class/ Description	Present			Proposed				
	Services	Rates	Revenue	Services	Rates	Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Private Fire Service		Annual			Annual			
2 inch diameter	0	$79.56	$0	0	$156.02	$0	$0	0.00%
3 inch diameter	0	136.68	0	0	$268.04	0	0	0.00%
4 inch diameter	0	216.84	0	0	$425.23	0	0	0.00%
6 inch diameter	2	444.72	889	2	$872.12	1,744	855	96.18%
8 inch diameter	0	765.24	0	0	$1,500.67	0	0	0.00%
10 inch diameter	0	1,176.24	0	0	$2,306.66	0	0	0.00%
12 inch diameter	0	1,677.12	0	0	$3,288.91	0	0	0.00%
	2		889	2		1,744	855	96.18%
Fire Hydrants	3	555.00	1,665	3	$1,088.38	3,265	1,600	96.10%
	5		$2,554	5		$5,009	$2,455	96.12%

Class/ Description	Present			Proposed				
	Sales/Services	Rates	Revenue	Sales/Services	Rates	Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Miscellaneous Sales of Water								
Plant Sales of Bulk Water	M Gals			M Gals				
	22	$2.50	$55	22	$7.50	$165	$110	200.00%
Hydrant Tag Sales - # of tags	0	$28.00	0	0	$28.00	0	0	0.00%
# of days	0	$17.00	0	0	$17.00	0	0	0.00%
Total Miscellaneous			$55			$165	$110	200.00%

Brunswick
Schedule WRH 2-7

Missouri American Water Company
WR-200-281
Brunswick District

Other Miscellaneous Revenue
Rates & Analysis

	Present			Proposed				
Description	Number	Rates	Revenue	Number	Rates	Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Other Operating Revenues - Brunswick								
Activation Fees for new connections:								
	68	$20.00	1,360	68	$20.00	1,360		
	68		1,360	68		1,360	$0	0.00%
Reconnection Fees:								
	20	$40.00	780	20	$40.00	780		
	20		780	20		780	0	0.00%
			$2,140			$2,140	$0	0.00%
Other Service Charge Revenues - Brunswick								
Miscellaneous Revenue			$45			$45		
Insufficient Check Fee	7	$12.00	84	7	$12.00	84		
			$129			$129	$0	0.00%
Rents from Water Properties								
Rents from antenna on water tanks			$0			$0	$0	0.00%
Miscellaneous Revenues								
2% Discount for paying Sales Tax on time			$24			$24	$0	0.00%

Brunswick
Schedule WRH 2-8

MISSOURI AMERICAN WATER COMPANY
Brunswick District
Case No. WR-2000-281
RESIDENTIAL BILL COMPARISON
5/8. IN. METER
USAGE IN 1,000 GALLONS (M Gals)

Usage	Current Rate	Estimated District Rate	Difference	Percentage	
0.00	$5.94	$7.08	$1.14	19.2000%	
1.00	$7.89	$16.15	$8.25	104.5304%	
2.00	$9.85	$25.21	$15.36	155.9907%	
3.00	$11.80	$34.28	$22.48	190.4074%	
4.00	$13.76	$43.35	$29.59	215.0448%	AVG. USAGE
5.00	$15.71	$52.41	$36.70	233.5524%	
6.00	$17.67	$61.48	$43.81	247.9649%	
7.00	$19.62	$70.55	$50.92	259.5059%	
8.00	$21.58	$79.61	$58.04	268.9560%	
9.00	$23.53	$88.68	$65.15	276.8361%	
10.00	$25.49	$97.75	$72.26	283.5074%	
11.00	$27.44	$106.82	$79.37	289.2284%	
12.00	$29.40	$115.88	$86.48	294.1885%	
13.00	$31.35	$124.95	$93.60	298.5301%	
14.00	$33.31	$134.02	$100.71	302.3621%	

Current Rates

Customer Charge	$5.94		
Blocks:		1st	
Commodity Charge:		$1.9548	Per M Gal

Estimated District Rates

Customer Charge:	$7.08		
Blocks:		1st	
Commodity Charge:		$9.0668	Per M Gal

Brunswick
Schedule WRH 3

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
Joplin District

Cost of Service by Class

DESCRIPTION	Totals	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER PUB. AUTH.	OTHER WATER UTIL.	PRIVATE FIRE	PUBLIC FIRE	TOTAL
O & M Expenses	$3,266,921	$1,898,107	$646,333	$310,175	$85,237	$129,347	$51,863	$145,071	$3,266,133
Depreciation & Amortization	$791,532	$398,700	$162,031	$83,184	$24,269	$39,310	$24,046	$59,992	$791,532
Taxes	$404,128	$179,419	$88,855	$51,680	$13,890	$25,577	$12,379	$32,329	$404,128
Return on Investment	$1,621,406	$764,861	$341,818	$184,146	$53,011	$92,147	$57,314	$128,109	$1,621,406
Uncollectables	($8,132)	($8,132)							
Income Taxes	$584,567	$275,756	$123,236	$66,390	$19,112	$33,222	$20,663	$46,187	$584,567
True-up Estimate	$0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0
TOTAL REQUIREMENT	$6,660,422	$3,508,710	$1,362,273	$695,575	$195,520	$319,603	$166,265	$411,689	$6,659,635
		59.19%	22.98%	11.73%	3.30%		2.80%		100.00%
Public Fire Redistributed	$411,689	$243,660	$94,602	$48,304	$13,578		$11,546		$411,689
Cost Of Service By Class	**$6,660,422**	**$3,752,370**	**$1,456,875**	**$743,879**	**$209,098**	**$319,603**	**$177,811**		**$6,659,635**
Revenue Generation - Proposed Rates		**$3,574,470**	**1,456,875**	**743,878**	**209,097**	**319,603**	**177,812**		**$6,481,735**

Joplin
Schedule WRH 1

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
Joplin District

REVENUE ANALYSIS

Missouri Public Service Commission
Company: Missouri-American Water Company
Joplin District

Line No.	Class (A)	Sales CCF (B)	Sales M Gals (B)	Number of Customers (C)	Present Rates Total Revenue (D)	% to Total (E)	Proposed Rates Total Revenue (F)	% to Total (G)	Dollar Increase (H)	Total Revenue % Increase (I)
5	Residential	1,821,970	1,366,478	16,497	$4,076,717	54.37%	$3,574,470	53.67%	($502,247)	-12.32%
7	Commercial	1,263,456	947,592	3,114	1,807,703	24.11%	1,456,875	21.88%	(350,828)	-19.41%
9	Industrial	1,029,477	772,108	87	789,121	10.52%	743,878	11.17%	(45,243)	-5.73%
11	Other Public Authority	181,480	136,110	142	227,095	3.03%	209,097	3.14%	(17,998)	-7.93%
13	Sales for Resale	351,399	263,549	14	267,013	3.56%	319,603	4.80%	52,590	19.70%
15	Private Fire				152,509	2.03%	177,812	2.67%	25,303	16.59%
17	Miscellaneous	1,431	1,073		2,683	0.04%	2,683	0.04%	0	0.00%
19	Total Water Sales	4,849,213	3,486,910		7,322,841	97.66%	6,484,418	97.37%	(838,423)	-11.45%
22	Reconnect Charges				166,360	2.22%	166,360	2.50%	0	0.00%
23	Other Service Charge Revenues				6,696	0.09%	6,696	0.10%	0	–
24	Rents from Water Property				0	0.00%	0	0.00%	0	0.00%
25	Miscellaneous Revenues				2,160	0.03%	2,160	0.03%	0	0.00%
28	Total Pro Forma Operating Revenues				$7,498,057	100.00%	$6,659,634	100.00%	($838,423)	-11.18%

Joplin
Schedule WRH 2-1

Missouri American Water Company
WR-200-281
Joplin District

Residental Revenue
Rates & Analysis

Class/ Description	Present Meters	Present Rates	Present Revenue
(A)	(B)	(C)	(D)
Residential - Customer Charges:			
Monthly - Joplin			
5/8 inch	200,508.0	$5.94	$1,191,018
3/4 inch	348.0	7.60	2,645
1 inch	20,892.0	10.77	225,007
1-1/2 inch	24.0	18.73	450
2 inch	192.0	28.28	5,430
3 inch	0.0	50.54	0
4 inch	0.0	82.34	0
6 inch	0.0	161.85	0
8 inch	0.0	257.26	0
Total Customer Meter Billings	221,964.0		1,424,550
Residential - Consumption Charges			
Monthly CCF - Joplin			
First 134 CCF per month	1,795,743.7	$1.4661	2,632,740
Next 2,533 CCF per month	18,766.4	$0.8213	15,413
Next 4,000 CCF per month	4,008.4	$0.6338	2,541
All over 6,667 per month	3,451.8	$0.4268	1,473
Total Consumption Charges	1,821,970.3 (CCF)		2,652,167
Reconciling Items	0.0		0
Total Residential	1,366,478.0 (M Gals)		$4,076,717

Class/ Description	Proposed Meters	Proposed Rates	Proposed Revenue	
	(E)	(F)	(G)	
Residential - Customer Charges:				
Monthly - Joplin				
5/8 inch	200,508.0	$7.08	$1,419,693	
3/4 inch	348.0	$9.06	3,153	
1 inch	20,892.0	$12.84	268,208	
1-1/2 inch	24.0	$22.33	536	
2 inch	192.0	$33.71	6,472	
3 inch	0.0	$60.24	0	
4 inch	0.0	$98.15	0	
6 inch	0.0	$192.93	0	
8 inch	0.0	$306.65	0	
	221,964.0		1,698,062	19.20%
Residential - Consumption Charges				
Monthly CCF - Joplin				
First 134 CCF per month	1,795,743.7	$1.0373	1,862,664	
Next 2,533 CCF per month	18,766.4	$0.5811	10,905	
Next 4,000 CCF per month	4,008.4	$0.4484	1,797	
All over 6,667 per month	3,451.8	$0.3020	1,042	
	1,821,970.3 (CCF)		1,876,408	-29.25%
	0		0	0.00%
	1,366,478.0 (M Gals)		$3,574,470	-12.32%

Joplin
Schedule WRH 2-2

Missouri American Water Company
WR-200-281
Joplin District

Commercial Revenue
Rates & Analysis

Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
Commercial - Customer Charges:							
Monthly - Joplin							
5/8 inch	27,684.0	$5.94	$164,443	27,684.0	$7.08	$196,016	
3/4 inch	468.0	7.60	3,557	488.0	9.06	4,240	
1 inch	5,508.0	10.77	59,321	5,508.0	12.84	70,711	
1-1/2 inch	568.0	18.73	11,013	588.0	22.33	13,128	
2 inch	3,012.0	28.28	85,179	3,012.0	33.71	101,534	
3 inch	0.0	50.54	0	0.0	60.24	0	
4 inch	84.0	82.34	6,917	84.0	98.15	8,245	
6 inch	24.0	161.65	3,884	24.0	192.93	4,630	
8 inch	0.0	257.26	0	0.0	306.65	0	
Total Customer Meter Billings	37,368.0		334,314	37,368.0		398,504	19.20%
Commercial - Consumption Charges							
Monthly CCF - Joplin							
First 134 CCF per month	694,694.4	$1.4661	1,018,491	694,694.4	$1.0531	731,604	
Next 2,533 CCF per month	514,181.1	$0.8213	422,297	514,181.1	$0.5900	303,348	
Next 4,000 CCF per month	44,956.6	$0.6338	28,494	44,956.6	$0.4553	20,468	
All over 6,667 per month	9623.4	$0.4268	4,107	9,623.4	$0.3066	2,951	
Total Consumption Charges	1,263,455.7 (CCF)		1,473,389	1,263,455.7 (CCF)		1,058,371	-28.17%
Reconciling Items	0		0	0		0	0.00%
Total Commercial	947,592.0 (M Gals)		$1,807,703	942,538.0 (M Gals)		$1,456,875	-19.41%

Joplin
Schedule WRH 2-3

Missouri American Water Company
WR-200-281
Joplin District

Industrial Revenue
Rates & Analysis

Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
Industrial - Customer Charges:							
Monthly - Joplin							
5/8 inch	141.0	$5.94	$838	141.0	$7.08	$998	
3/4 inch	12.0	7.60	91	12.0	9.06	109	
1 inch	212.0	10.77	2,283	212.0	12.84	2,722	
1-1/2 inch	45.0	18.73	843	45.0	22.33	1,005	
2 inch	408.0	28.28	11,538	408.0	33.71	13,754	
3 inch	0.0	50.54	0	0.0	60.24	0	
4 inch	179.0	82.34	14,739	179.0	98.15	17,569	
6 inch	48.0	161.85	7,769	48.0	192.93	9,260	
8 inch	0.0	257.26	0	0.0	306.65	0	
Total Customer Meter Billings	1,045.0		38,101	1,045.0		45,417	19.20%
Industrial - Consumption Charges							
Monthly CCF - Joplin							
First 134 CCF per month	64,170.7	$1.4661	94,081	64,170.7	$1.3635	87,495	
Next 2,533 CCF per month	477,254.7	$0.8213	391,969	477,254.7	$0.7638	364,534	
Next 4,000 CCF per month	273,765.3	$0.6338	173,512	273,765.3	$0.5895	161,372	
All over 6,667 per month	214286.7	$0.4268	91,458	214,286.7	$0.3969	85,060	
Total Consumption Charges	1,029,477.4 (CCF)		751,020	1,029,477.4 (CCF)		698,461	-7.00%
Reconciling Items	(CCF)			(CCF)			
Total Industrial	772,108.0 (M Gals)		$769,121	772,108.0 (M Gals)		$743,878	-5.73%

Joplin
Schedule WRH 2-4

Missouri American Water Company
WR-200-281
Joplin District

Other Public Authority (OPA) Revenue
Rates & Analysis

Line	Class/ Description	Present Meters	Present Rates	Present Revenue
120	(A)	(B)	(C)	(D)
121	**OPA - Customer Charges:**			
122	**Monthly - Joplin**			
123	5/8 inch	398.5	$5.94	$2,367
124	3/4 inch	60.0	7.60	456
125	1 inch	471.5	10.77	5,078
126	1-1/2 inch	132.0	18.73	2,472
127	2 inch	550.0	28.28	15,554
128	3 inch	0.0	50.54	0
129	4 inch	48.0	82.34	3,952
130	6 inch	0.0	161.85	0
131	8 inch	48.0	257.26	12,348
132	Total Customer Meter Billings	1,708.0		42,227
133				
134	**OPA - Consumption Charges**			
135	**Monthly CCF - Joplin**			
136	First 134 CCF per month	56,048.0	$1.4661	82,172
137	Next 2,533 CCF per month	123,721.3	$0.8213	101,612
138	Next 4,000 CCF per month	1,710.7	$0.6338	1,084
139	All over 6,667 per month	0	$0.4268	0
140	Total Consumption Charges	181,480.0 (CCF)		184,868
141				
142	Reconciling Items	(CCF)		
143				
144	Total OPA	136,110.0 (M Gals)		$227,095
145				

Description	Proposed Meters	Proposed Rates	Proposed Revenue	
	(E)	(F)	(G)	
OPA - Customer Charges:				
Monthly - Joplin				
5/8 inch	398.5	$7.08	$2,822	
3/4 inch	60.0	9.06	544	
1 inch	471.5	12.84	6,053	
1-1/2 inch	132.0	22.33	2,947	
2 inch	550.0	33.71	18,540	
3 inch	0.0	60.24	0	
4 inch	48.0	98.15	4,711	
6 inch	0.0	192.93	0	
8 inch	48.0	306.65	14,719	
	1,708.0		50,336	19.20%
OPA - Consumption Charges				
Monthly CCF - Joplin				
First 134 CCF per month	56,048.0	$1.2591	70,567	
Next 2,533 CCF per month	123,721.3	$0.7053	87,263	
Next 4,000 CCF per month	1,710.7	$0.5443	931	
All over 6,667 per month	0.0	$0.3665	0	
	181,480.0 (CCF)		158,761	-14.12%
	(CCF)			
	136,110.0 (M Gals)		$209,097	-7.93%

Joplin
Schedule WRH 2-5

Missouri American Water Company
WR-200-281
Joplin District

Other Water Utilities Revenue
(Resale)
Rates & Analysis

Class/ Description	Present			Proposed			
	Meters	Rates	Revenue	Meters	Rates	Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
Resale - Customer Charges:							
Monthly - Joplin							
5/8 inch	0.0	$5.94	$0	0.0	$7.08	$0	
3/4 inch	0.0	7.60	0	0.0	9.06	0	
1 inch	12.0	10.77	129	12.0	12.84	154	
1-1/2 inch	0.0	18.73	0	0.0	22.33	0	
2 inch	129.0	28.28	3,648	129.0	33.71	4,349	
3 inch	0.0	50.54	0	0.0	60.24	0	
4 inch	0.0	82.34	0	0.0	98.15	0	
6 inch	12.0	161.85	1,942	12.0	192.93	2,315	
8 inch	12.0	257.26	3,087	12.0	306.65	3,680	
Total Customer Meter Billings	165.0		8,806	165.0		10,498	19.21%
Resale - Consumption Charges							
Monthly CCF - Joplin							
First 134 CCF per month	12,462.7	$1.4661	18,272	12,462.7	$1.7551	21,873	
Next 2,533 CCF per month	179,181.3	$0.8213	147,162	179,181.3	$0.9832	176,169	
Next 4,000 CCF per month	118,790.7	$0.6338	75,290	118,790.7	$0.7587	90,132	
All over 6,667 per month	40,964.0	$0.4268	17,483	40,964.0	$0.5110	20,931	
Total Consumption Charges	351,398.7 (CCF)		258,207	351,398.7 (CCF)		309,105	19.71%
Reconciling Items	0.0 (CCF)		0	0.0 (CCF)		0	0.00%
Total Resale	263,549.0 (M Gals)		$267,013	263,549.0 (M Gals)		$319,803	19.70%

Joplin
Schedule WRH 2-6

Missouri American Water Company
WR-200-281
Joplin District

Private Fire Revenue
Rates & Analysis

Class/	Present			Proposed				
Description	Services	Rates	Revenue	Services	Rates	Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Private Fire Service - Joplin		Annual			Annual			
2 inch diameter	4	$79.56	$318	4	$92.76	$371	$53	16.67%
3 inch diameter	0	136.68	0	0	$159.36	0	0	0.00%
4 inch diameter	17	216.84	3,686	17	$252.81	4,298	612	16.60%
6 inch diameter	119	444.72	52,922	119	$518.50	61,702	8,780	16.59%
8 inch diameter	83	765.24	63,515	83	$892.20	74,052	10,537	16.59%
10 inch diameter	6	1,176.24	7,057	6	$1,371.38	8,228	1,171	16.59%
12 inch diameter	3	1,677.12	5,031	3	$1,955.36	5,866	835	16.60%
	232		132,529	232		154,517	21,988	16.59%
Fire Hydrants	36	555.00	19,980	36	647.08	23,295	3,315	16.59%
	268		$152,509	268		$177,812	$25,303	16.59%

Joplin
Schedule WRH 2-7

Missouri American Water Company
WR-200-281
Joplin District

Other Miscellaneous Revenue
Rates & Analysis

Class/ Description	Present Sales/Services	Present Rates	Present Revenue	Proposed Sales/Services	Proposed Rates	Proposed Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Miscellaneous Sales of Water - Joplin								
Plant Sales of Bulk Water	M Gals			M Gals				
	1,073	$2.50	$2,683	1,073	$2.50	$2,683	$0	0.00%
Hydrant Tag Sales - # of tags	0	$28.00	0	0	$28.00	0	0	0.00%
# of days	0	$17.00	0	0	$17.00	0	0	0.00%
Total Miscellaneous			$2,683			$2,683	$0	0.00%

Description	Present Number	Present Rates	Present Revenue	Proposed Number	Proposed Rates	Proposed Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Other Operating Revenues - Joplin								
Activation Fees for new connections:								
	5,342	$20.00	106,840	5,342	$20.00	106,840		
	5,342		106,840	5,342		106,840	$0	0.00%
Reconnection Fees:								
	1,488	$40.00	59,520	1,488	$40.00	59,520		
	1,488		59,520	1,488		59,520	0	0.00%
			$166,360			$166,360	$0	0.00%
Other Service Charge Revenues - Joplin								
Miscellaneous Revenue			$0			$0		
Insufficient Check Fee	558	$12.00	6,696	558	$12.00	6,696		
			$6,696			$6,696	$0	--
Rents from Water Properties								
Rents from antenna on water tanks			$0			$0	$0	0.00%
Miscellaneous Revenues								
2% Discount for paying Sales Tax on time			$2,160			$2,160	$0	0.00%

Joplin
Schedule WRH 2-8

MISSOURI AMERICAN WATER COMPANY

Joplin District

Case No. WR-2000-281

RESIDENTIAL BILL COMPARISON

5/8. IN. METER
USAGE IN Ccf's

Usage	Current Rate	Estimated District Rate	Difference	Percentage
0.00	$5.94	$7.08	$1.14	19.2000%
1.00	$7.41	$8.12	$0.71	9.6089%
2.00	$8.87	$9.16	$0.28	3.1876%
3.00	$10.34	$10.19	($0.15)	-1.4124%
4.00	$11.80	$11.23	($0.57)	-4.8698%
5.00	$13.27	$12.27	($1.00)	-7.5633%
6.00	$14.74	$13.30	($1.43)	-9.7208%
7.00	$16.20	$14.34	($1.86)	-11.4879%
8.00	$17.67	$15.38	($2.29)	-12.9618%
9.00	$19.13	$16.42	($2.72)	-14.2098%
10.00	$20.60	$17.45	($3.15)	-15.2801%
11.00	$22.07	$18.49	($3.58)	-16.2083%
12.00	$23.53	$19.53	($4.01)	-17.0207%
13.00	$25.00	$20.56	($4.43)	-17.7379%
14.00	$26.47	$21.60	($4.86)	-18.3757%

AVG. USAGE

Current Rates

Customer Charge	$5.94	
Blocks:	1st	
Commodity Charge:		$1.4661 per Ccf

Estimated District Rates

Customer Charge:	$7.08	
Blocks:	1st	
Commodity Charge:		$1.0373 per Ccf

Joplin
Schedule WRH 3

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
Mexico District

14-Apr-00

Cost of Service by Class

DESCRIPTION	Totals	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER PUB. AUTH.	OTHER WATER UTIL.	PRIVATE FIRE	PUBLIC FIRE	TOTAL
O & M Expenses	$1,113,710	$559,576	$128,815	$181,507	$53,677	$110,213	$26,664	$53,258	$1,113,710
Depreciation & Amortization	$209,601	$91,814	$24,667	$36,021	$11,374	$23,466	$7,641	$14,619	$209,601
Taxes	$74,781	$28,440	$9,199	$14,987	$4,657	$10,692	$3,304	$3,500	$74,781
Return on Investment	$468,461	$193,657	$55,922	$84,643	$27,084	$58,561	$20,459	$28,134	$468,461
Uncollectables	$7,039	$7,039							
Income Taxes	$212,073	$87,669	$25,316	$38,318	$12,261	$26,511	$9,262	$12,736	$212,073
True-up Estimate	$712,598	$330,211.95	$83,466.65	$121,640.45	$37,316.95	$78,512.90	$23,039.48	$38,409.93	$712,598
TOTAL REQUIREMENT	$2,798,263	$1,298,408	$327,386	$477,117	$146,370	$307,956	$90,369	$150,658	$2,798,264
		55.50%	13.99%	20.39%	6.26%		3.86%		100.00%
Public Fire Redistributed	$150,658	$83,609	$21,081	$30,723	$9,425		$5,819		$150,658
Cost Of Service By Class	**$2,798,263**	**$1,382,016**	**$348,468**	**$507,841**	**$155,796**	**$307,956**	**$96,188**		**$2,798,264**
Revenue Generation - Proposed Rates		**$1,346,355**	**348,468**	**507,840**	**155,796**	**307,955**	**96,187**		**$2,762,601**

Mexico
Schedule WRH 1

MISSOURI AMERICAN WATER COMPANY
WR-2000-281

Mexico District

REVENUE ANALYSIS

Missouri Public Service Commission
Company: Missouri-American Water Company
Mexico District

Line No.	Class (A)	Sales CCF (B)	Sales M Gals (B)	Number of Customers (C)	Present Rates Total Revenue (D)	% to Total (E)	Proposed Rates Total Revenue (F)	% to Total (G)	Dollar Increase (H)	Total Revenue % Increase (I)
4										
5	Residential	334,043	250,533	4,298	$777,671	50.14%	$1,346,355	48.19%	$568,684	73.13%
6										
7	Commercial	143,089	107,317	478	236,806	15.27%	348,468	12.47%	111,662	47.15%
8										
9	Industrial	316,635	237,476	25	251,502	16.22%	507,840	18.18%	256,338	101.92%
10										
11	Other Public Authority	67,069	50,302	89	99,086	6.39%	155,796	5.58%	56,710	57.23%
12										
13	Sales for Resale	158,865	119,149	6	115,652	7.46%	307,955	11.02%	192,303	166.28%
14										
15	Private Fire				39,517	2.55%	96,187	3.44%	56,670	143.41%
16										
17	Miscellaneous	467	350		875	0.06%	1,575	0.06%	700	80.00%
18										
19	Total Water Sales	1,020,168	765,127		1,521,109	98.09%	2,764,178	98.94%	1,243,067	81.72%
20										
21										
22	Reconnect Charges				28,820	1.86%	28,820	1.03%	0	0.00%
23	Other Service Charge Revenues				684	0.04%	684	0.02%	0	-
24	Rents from Water Property				0	0.00%	0	0.00%	0	0.00%
25	Miscellaneous Revenues				276	0.02%	276	0.01%	0	0.00%
26										
27										
28	Total Pro Forma Operating Revenues				$1,550,889	100.01%	$2,793,956	100.00%	$1,243,067	80.15%

Mexico
Schedule WRH 2-1

Missouri American Water Company
WR-200-281
Mexico District

Residental Revenue
Rates & Analysis

Line	Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
33	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
34	**Residential - Customer Charges:**							
35	**Monthly - Mexico**							
36	5/8 inch	51,432.0	$5.94	$305,506	51,432.0	$7.08	$364,163	
37	3/4 inch	0.0	7.60	0	0.0	$9.06	0	
38	1 inch	132.0	10.77	1,422	132.0	$12.84	1,695	
39	1-1/2 inch	0.0	18.73	0	0.0	$22.33	0	
40	2 inch	12.0	28.28	339	12.0	$33.71	405	
41	3 inch	0.0	50.54	0	0.0	$60.24	0	
42	4 inch	0.0	82.34	0	0.0	$98.15	0	
43	6 inch	0.0	161.85	0	0.0	$192.93	0	
44	8 inch	0.0	257.26	0	0.0	$306.65	0	
45	Total Customer Meter Billings	51,576.0		307,267	51,576.0		366,263	19.20%
46								
47	**Residential - Consumption Charges**							
48	**Monthly CCF - Mexico**							
49	First 134 CCF per month	314,356.8	$1.4661	460,879	314,356.8	$3.0371	954,746	
50	Next 2,533 CCF per month	5,714.2	$0.8213	4,693	5,714.2	$1.7014	9,722	
51	Next 4,000 CCF per month	7,624.1	$0.6338	4,832	7,624.1	$1.3130	10,011	
52	All over 6,667 per month	6,348.3	$0.4268		6,348.3	$0.8842	5,613	
53	Total Consumption Charges	334,043.4 (CCF)		470,404	334,043.4 (CCF)		980,092	108.35%
54								
55	Reconciling Items	0.0		0	0		0	0.00%
56								
57	Total Residential	250,533.0 (M Gals)		$777,671	250,533.0 (M Gals)		$1,346,355	73.13%
58								

Mexico
Schedule WRH 2-2

Missouri American Water Company
WR-200-281
Mexico District

Commercial Revenue
Rates & Analysis

Class/ Description (A)	Present Meters (B)	Present Rates (C)	Present Revenue (D)	Proposed Meters (E)	Proposed Rates (F)	Proposed Revenue (G)	
Commercial - Customer Charges:							
Monthly - Mexico							
5/8 inch	4,272.0	$5.94	$25,376	4,272.0	$7.08	$30,248	
3/4 inch	84.0	7.60	638	84.0	9.06	761	
1 inch	912.0	10.77	9,822	912.0	12.84	11,708	
1-1/2 inch	0.0	18.73	0	0.0	22.33	0	
2 inch	458.0	28.28	12,952	458.0	33.71	15,439	
3 inch	12.0	50.54	606	12.0	60.24	723	
4 inch	0.0	82.34	0	0.0	98.15	0	
6 inch	0.0	161.85	0	0.0	192.93	0	
8 inch	0.0	257.26	0	0.0	306.65	0	
Total Customer Meter Billings	5,738.0		49,394	5,738.0		58,879	19.20%
Commercial - Consumption Charges							
Monthly CCF - Mexico							
First 134 CCF per month	108,395.4	$1.4661	158,918	108,395.4	$2.2654	245,560	
Next 2,533 CCF per month	34,693.3	$0.8213	28,494	34,693.3	$1.2691	44,029	
Next 4,000 CCF per month	0.0	$0.6338	0	0.0	$0.9794	0	
All over 6,667 per month	0	$0.4268	0	0.0	$0.6595	0	
Total Consumption Charges	143,088.7	(CCF)	187,412	143,088.7	(CCF)	289,589	54.52%
Reconciling Items	0		0	0		0	0.00%
Total Commercial	107,317.0	(M Gals)	$236,806	106,744.0	(M Gals)	$348,468	47.15%

Mexico
Schedule WRH 2-3

Missouri American Water Company
WR-200-281
Mexico District

Industrial Revenue
Rates & Analysis

Line	Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
91	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
92	**Industrial - Customer Charges:**							
93	**Monthly - Mexico**							
94	5/8 inch	36.0	$5.94	$214	36.0	$7.08	$255	
95	3/4 inch	0.0	7.60	0	0.0	9.06	0	
96	1 inch	60.0	10.77	646	60.0	12.84	770	
97	1-1/2 inch	0.0	18.73	0	0.0	22.33	0	
98	2 inch	60.0	28.28	1,697	60.0	33.71	2,023	
99	3 inch	48.0	50.54	2,426	48.0	60.24	2,892	
100	4 inch	48.0	82.34	3,952	48.0	98.15	4,711	
101	6 inch	48.0	161.85	7,769	48.0	192.93	9,260	
102	8 inch	0.0	257.26	0	0.0	306.65	0	
103	Total Customer Meter Billings	300.0		16,704	300.0		19,911	19.20%
104								
105	**Industrial - Consumption Charges**							
106	**Monthly CCF - Mexico**							
107	First 134 CCF per month	18,500.0	$1.4661	27,123	18,500.0	$3.0466	56,362	
108	Next 2,533 CCF per month	140,423.0	$0.8213	115,329	140,423.0	$1.7067	239,661	
109	Next 4,000 CCF per month	120,939.0	$0.6338	76,651	120,939.0	$1.3171	159,290	
110	All over 6,667 per month	36773	$0.4268	15,695	36,773.0	$0.8870	32,616	
111	Total Consumption Charges	316,635.0 (CCF)		234,798	316,635.0 (CCF)		487,929	107.81%
112								
113	Reconciling Items	(CCF)			(CCF)			
114								
115	Total Industrial	237,476.0 (M Gals)		$251,502	237,476.0 (M Gals)		$507,840	101.92%
116								

Mexico
Schedule WRH 2-4

Missouri American Water Company
WR-200-281
Mexico District

Other Public Authority (OPA) Revenue
Rates & Analysis

Class/ Description (A)	Present Meters (B)	Present Rates (C)	Present Revenue (D)	Proposed Meters (E)	Proposed Rates (F)	Proposed Revenue (G)	
OPA - Customer Charges:							
Monthly - Mexico							
5/8 inch	388.5	$5.94	$2,308	388.5	$7.08	$2,751	
3/4 inch	12.0	7.60	91	12.0	9.06	109	
1 inch	262.5	10.77	2,827	262.5	12.84	3,370	
1-1/2 inch	0.0	18.73	0	0.0	22.33	0	
2 inch	369.0	28.28	10,435	369.0	33.71	12,439	
3 inch	24.0	50.54	1,213	24.0	60.24	1,446	
4 inch	12.0	82.34	988	12.0	98.15	1,178	
6 inch	0.0	161.85	0	0.0	192.93	0	
8 inch	0.0	257.26	0	0.0	306.65	0	
Total Customer Meter Billings	1,068.0		17,862	1,068.0		21,293	19.21%
OPA - Consumption Charges							
Monthly CCF - Mexico							
First 134 CCF per month	40,541.0	$1.4661	59,437	40,541.0	$2.4278	98,424	
Next 2,533 CCF per month	26,528.0	$0.8213	21,787	26,528.0	$1.3600	36,079	
Next 4,000 CCF per month	0.0	$0.6338	0	0.0	$1.0496	0	
All over 6,667 per month	0	$0.4268	0	0.0	$0.7088	0	
Total Consumption Charges	67,069.0	(CCF)	81,224	67,069.0	(CCF)	134,503	65.60%
Reconciling Items		(CCF)			(CCF)		
Total OPA	50,302.0	(M Gals)	$99,086	50,302.0	(M Gals)	$155,796	57.23%

Mexico
Schedule WRH 2-5

Missouri American Water Company
WR-200-281
Mexico District

Other Water Utilities Revenue
(Resale)
Rates & Analysis

Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
Resale - Customer Charges:							
Monthly - Mexico							
5/8 inch	0.0	$5.94	$0	0.0	$7.08	$0	
3/4 inch	0.0	7.60	0	0.0	9.06	0	
1 inch	0.0	10.77	0	0.0	12.84	0	
1-1/2 inch	0.0	18.73	0	0.0	22.33	0	
2 inch	48.0	28.28	1,357	48.0	33.71	1,618	
3 inch	24.0	50.54	1,213	24.0	60.24	1,446	
4 inch	0.0	82.34	0	0.0	98.15	0	
6 inch	0.0	161.85	0	0.0	192.93	0	
8 inch	0.0	257.26	0	0.0	306.65	0	
Total Customer Meter Billings	72.0		2,570	72.0		3,064	19.22%
Resale - Consumption Charges							
Monthly CCF - Mexico							
First 134 CCF per month	3,216.0	$1.4661	4,715	3,216.0	$3.9528	12,712	
Next 2,533 CCF per month	60,792.0	$0.8213	49,928	60,792.0	$2.2144	134,615	
Next 4,000 CCF per month	86,732.0	$0.6338	54,971	86,732.0	$1.7089	148,214	
All over 6,667 per month	8,125.0	$0.4266	3,466	8,125.0	$1.1508	9,350	
Total Consumption Charges	158,865.0 (CCF)		113,082	158,865.0 (CCF)		304,891	169.62%
Reconciling Items	0.0 (CCF)		0	0.0 (CCF)		0	0.00%
Total Resale	119,149.0 (M Gals)		$115,652	119,149.0 (M Gals)		$307,955	166.28%

Mexico
Schedule WRH 2-6

Missouri American Water Company
WR-200-281
Mexico District

Private Fire Revenue
Rates & Analysis

Class/ Description	Present Services	Present Rates	Present Revenue	Proposed Services	Proposed Rates	Proposed Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Private Fire Service - Mexico		Annual			Annual			
2 inch diameter	1	$79.56	$80	1	$193.66	$194	$114	142.50%
3 inch diameter	0	136.68	0	0	$332.69	0	0	0.00%
4 inch diameter	12	216.84	2,602	12	$527.81	6,334	3,732	143.43%
6 inch diameter	22	444.72	9,784	22	$1,082.49	23,815	14,031	143.41%
8 inch diameter	11	765.24	8,418	11	$1,862.67	20,489	12,071	143.40%
10 inch diameter	13	1,176.24	15,291	13	$2,863.08	37,220	21,929	143.41%
12 inch diameter	1	1,677.12	1,677	1	$4,082.28	4,082	2,405	143.41%
	60		37,852	60		92,134	54,282	143.41%
Fire Hydrants	3	555.00	1,665	3	1,350.92	4,053	2,388	143.42%
	63		$39,517	63		$96,187	$56,670	143.41%

Mexico
Schedule WRH 2-7

Missouri American Water Company
WR-200-281
Mexico District

Other Miscellaneous Revenue
Rates & Analysis

Class/ Description (A)	Present Sales/Services (B)	Present Rates (C)	Present Revenue (D)	Proposed Sales/Services (E)	Proposed Rates (F)	Proposed Revenue (G)	Increase (H)	% Increase (I)
Miscellaneous Sales of Water - Mexico								
Plant Sales of Bulk Water	M Gals			M Gals				
	350	$2.50	$875	350	$4.50	$1,575	$700	80.00%
Hydrant Tag Sales - # of tags	0	$28.00	0	0	$28.00	0	0	0.00%
# of days	0	$17.00	0	0	$17.00	0	0	0.00%
Total Miscellaneous			$875			$1,575	$700	80.00%

Description (A)	Present Number (B)	Present Rates (C)	Present Revenue (D)	Proposed Number (E)	Proposed Rates (F)	Proposed Revenue (G)	Increase (H)	% Increase (I)
Other Operating Revenues - Mexico								
Activation Fees for new connections:								
	889	$20.00	17,780	889	$20.00	17,780		
	889		17,780	889		17,780	$0	0.00%
Reconnection Fees:								
	276	$40.00	11,040	276	$40.00	11,040		
	276		11,040	276		11,040	0	0.00%
			$28,820			$28,820	$0	0.00%
Other Service Charge Revenues - Mexico								
Miscellaneous Revenue			$0			$0		
Insufficient Check Fee	57	$12.00	684	57	$12.00	684		
			$684			$684	$0	-
Rents from Water Properties								
Rents from antenna on water tanks			$0			$0	$0	0.00%
Miscellaneous Revenues								
2% Discount for paying Sales Tax on time			$276			$276	$0	0.00%

Mexico
Schedule WRH 2-8

MISSOURI AMERICAN WATER COMPANY

Mexico District

Case No. WR-2000-281

RESIDENTIAL BILL COMPARISON

5/8. IN. METER

USAGE IN Ccf

Usage	Current Rate	Estimated District Rate	Difference	Percentage
0.00	$5.94	$7.08	$1.14	19.2000%
1.00	$7.41	$10.12	$2.71	36.6120%
2.00	$8.87	$13.15	$4.28	48.2695%
3.00	$10.34	$16.19	$5.85	56.6206%
4.00	$11.80	$19.23	$7.42	62.8973%
5.00	$13.27	$22.27	$9.00	67.7871%
6.00	$14.74	$25.30	$10.57	71.7040% AVG. USAGE
7.00	$16.20	$28.34	$12.14	74.9121%
8.00	$17.67	$31.38	$13.71	77.5877%
9.00	$19.13	$34.41	$15.28	79.8534%
10.00	$20.60	$37.45	$16.85	81.7965%
11.00	$22.07	$40.49	$18.42	83.4815%
12.00	$23.53	$43.53	$19.99	84.9565%
13.00	$25.00	$46.56	$21.56	86.2585%
14.00	$26.47	$49.60	$23.14	87.4163%

Current Rates

Customer Charge	$5.94
Blocks:	1st block
Commodity Charge:	$1.4661 per Ccf

Estimated District Rates

Customer Charge:	$7.08
Blocks:	1st block
Commodity Charge:	$3.0371 per Ccf

Mexico
Schedule WRH 3

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
Parkville District

Cost of Service by Class

DESCRIPTION	Totals	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER PUB. AUTH.	OTHER WATER UTIL.	PRIVATE FIRE	PUBLIC FIRE	TOTAL
O & M Expenses	$1,051,405	$705,006	$129,151	$5,329	$29,062	$93,561	$13,266	$76,031	$1,051,405
Depreciation & Amortization	$238,873	$144,007	$27,626	$1,089	$6,477	$20,892	$3,993	$34,789	$238,873
Taxes	$267,227	$154,869	$30,483	$1,159	$7,375	$24,486	$5,654	$43,201	$267,227
Return on Investment	$521,574	$300,529	$58,378	$2,225	$14,153	$46,313	$11,407	$88,569	$521,574
Uncollectables	$4,780	$4,780							$4,780
Income Taxes	$251,673	$145,013	$28,169	$1,074	$6,829	$22,347	$5,504	$42,737	$251,673
True Up Estimate	$239,328	$149,016	$28,058	$1,114	$6,548	$21,273	$4,081	$29,238	$239,328
TOTAL Cost of Service	$2,574,860	$1,603,220	$301,865	$11,990	$70,443	$228,872	$43,906	$314,564	$2,574,860 $2,574,861
		78.92%	14.86%	0.59%	3.47%	11.27%	2.16%		111.27%
Public Fire Redistributed	$314,564	$248,257	$46,743	$1,857	$10,908		$6,799		$314,564
Cost Of Service By Class	**$2,574,860**	**$1,851,477**	**$348,608**	**$13,847**	**$81,352**	**$228,872**	**$50,705**	**$0**	**$2,574,861**

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
Parkville District

REVENUE ANALYSIS

Missouri Public Service Commission
Company: Missouri-American Water Company
Parkville District

Line No.	Class (A)	Sales M Gals (B)	Number of Customers (C)	Present Rates Total Revenue (D)	% to Total (E)	Proposed Rates Total Revenue (F)	% to Total (G)	Dollar Increase (H)	Total Revenue % Increase (I)
5	Residential	430,183.4	4098	$1,112,348	73.17%	$1,815,315	70.49%	$702,967	63.20%
7	Commercial	106,259.7	303	205,921	13.55%	348,608	13.54%	142,687	69.29%
9	Industrial	5,026.0	11.96	10,936	0.72%	13,846	0.54%	2,910	26.61%
11	Other Public Authority	23,354.0	43.75	42,264	2.78%	81,351	3.16%	39,087	92.48%
13	Sales for Resale	80,065.0	4	84,366	5.55%	228,873	8.89%	144,487	171.22%
15	Private Fire	0.0		33,361	2.19%	50,705	1.97%	17,344	51.99%
17	Miscellaneous	2,572.0		6,430	0.42%	11,574	0.45%	5,144	80.00%
19	Total Water Sales	647,460.1		1,495,646	98.38%	2,550,272	99.04%	1,054,626	70.51%
22	Reconnect Charges			23,140	1.52%	23,140	0.90%	0	0.00%
23	Other Service Charge Revenues			1,185	0.08%	1,185	0.05%	0	0.00%
24	Rents from Water Property			0	0.00%	0	0.00%	0	0.00%
25	Miscellaneous Revenues			264	0.02%	264	0.01%	0	0.00%
28	Total Pro Forma Operating Revenues			$1,520,235	100.00%	$2,574,861	100.00%	$1,054,626	69.37%

Parkville
Schedule WRH 2-1

Missouri American Water Company
WR-200-281
Parkville District

Residental Revenue
Rates & Analysis

	Class/	Present			Proposed			
32	Description	Meters	Rates	Revenue	Meters	Rates	Revenue	
33	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
34	**Residential - Customer Charges:**							
35	**Monthly - Parkville**							
36	5/8 inch	47,892.0	$5.94	$284,478	47,892.0	$7.08	$339,098	
37	3/4 inch	0.0	7.60	0	0.0	$9.06	0	
38	1 inch	756.0	10.77	8,142	756.0	$12.84	9,705	
39	1-1/2 inch	420.0	18.73	7,867	420.0	$22.33	9,377	
40	2 inch	84.0	28.28	2,376	84.0	$33.71	2,832	
41	3 inch	12.0	50.54	606	12.0	$60.24	723	
42	4 inch	12.0	82.34	988	12.0	$98.15	1,178	
43	6 inch	0.0	161.85	0	0.0	$192.93	0	
44	8 inch	0.0	257.28	0	0.0	$306.65	0	
45	Total Customer Meter Billings	49,176.0		304,457	49,176.0		362,913	19.20%
46								
47	**Residential - Consumption Charges**							
48	**Monthly M Gals - Parkville**							
49	First 100 M Gals per month	392,890.1	$1.9548	768,022	392,890.1	$3.4475	1,354,471	
50	Next 1,900 M Gals per month	33,409.3	$1.0951	36,587	33,409.3	$2.7580	92,142	
51	Mext 3.000 M Gals per month	3,884.0	$0.8451	3,282	3,884.0	$1.4904	5,789	
52	All over 5,000 M Gals per month		$0.5691		0.0	$1.0037	0	
53	Total Consumption Charges	430,183.4		807,891	430,183.4		1,452,402	79.78%
54								
55	Reconciling Items	0		0	0.0		0	0.00%
56								
57	Total Residential	430,183.4 (M Gals)		$1,112,348	430,183.4 (M Gals)		$1,815,315	63.20%
58								

Parkville
Schedule WRH 2-2

Missouri American Water Company
WR-200-281
Parkville District

Commercial Revenue
Rates & Analysis

Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
Commercial - Customer Charges:							
Monthly - Parkville							
5/8 inch	2,604.0	$5.94	$15,468	2,604.0	$7.08	$18,438	
3/4 inch	0.0	7.60	0	0.0	9.06	0	
1 inch	456.0	10.77	4,911	456.0	12.84	5,854	
1-1/2 inch	156.0	18.73	2,922	156.0	22.33	3,483	
2 inch	336.0	28.28	9,502	336.0	33.71	11,326	
3 inch	72.0	50.54	3,639	72.0	60.24	4,338	
4 inch	0.0	82.34	0	0.0	98.15	0	
6 inch	12.0	161.85	1,942	12.0	192.93	2,315	
8 inch	0.0	257.26	0	0.0	306.66	0	
Total Customer Meter Billings	3,636.0		38,384	3,636.0		45,754	19.20%
Commercial - Consumption Charges							
Monthly M Gals - Parkville							
First 100 M Gals per month	59,963.1	$1.9548	117,216	59,963.1	$3.1402	188,298	
Next 1,900 M Gals per month	44,781.8	$1.0951	49,041	44,781.8	$2.5122	112,500	
Mext 3.000 M Gals per month	1,514.8	$0.8451	1,280	1,514.8	$1.3576	2,056	
All over 5,000 M Gals per month		$0.5691		0.0	$0.9142	0	
Total Consumption Charges	106,259.7		167,537	106,259.7		302,854	80.77%
Reconciling Items	0		0	0.0		0	0.00%
Total Commercial	106,259.7 (M Gals)		$205,921	106,259.7 (M Gals)		$348,608	69.29%

Parkville
Schedule WRH 2-3

Missouri American Water Company
WR-200-281
Parkville District

Industrial Revenue
Rates & Analysis

	Class/ Description	Present		
		Meters	Rates	Revenue
91	(A)	(B)	(C)	(D)
92	**Industrial - Customer Charges:**			
93	**Monthly - Parkville**			
94	5/8 inch	83.5	$5.94	$496
95	3/4 inch	0.0	7.60	0
96	1 inch	0.0	10.77	0
97	1-1/2 inch	24.0	18.73	450
98	2 inch	36.0	28.28	1,018
99	3 inch	0.0	50.54	0
100	4 inch	0.0	82.34	0
101	6 inch	0.0	161.85	0
102	8 inch	0.0	257.26	0
103	Total Customer Meter Billings	143.5		1,964
104				
105	**Industrial - Consumption Charges**			
106	**Monthly M Gals - Parkville**			
107	First 100 M Gals per month	4,034.0	$1.9548	7,886
108	Next 1,900 M Gals per month	992.0	$1.0951	1,086
109	Mext 3.000 M Gals per month	0.0	$0.8451	0
110	All over 5,000 M Gals per month		$0.5691	
111	Total Consumption Charges	5,026.0		8,972
112				
113	Reconciling Items			
114				
115	Total Industrial	5,026.0 (M Gals)		$10,936
116				

Class/ Description	Proposed			
	Meters	Rates	Revenue	
	(E)	(F)	(G)	
Industrial - Customer Charges:				
Monthly - Parkville				
5/8 inch	83.5	$7.08	$591	
3/4 inch	0.0	9.06	0	
1 inch	0.0	12.64	0	
1-1/2 inch	24.0	22.33	536	
2 inch	36.0	33.71	1,214	
3 inch	0.0	60.24	0	
4 inch	0.0	98.15	0	
6 inch	0.0	192.93	0	
8 inch	0.0	306.65	0	
	143.5		2,341	19.20%
Industrial - Consumption Charges				
Monthly M Gals - Parkville				
First 100 M Gals per month	4,034.0	$2.3833	9,614	
Next 1,900 M Gals per month	992.0	$1.9066	1,891	
Mext 3.000 M Gals per month	0.0	$1.0303	0	
All over 5,000 M Gals per month	0.0	$0.6938	0	
	5,026.0		11,505	28.23%
	5,026.0 (M Gals)		$13,846	26.61%

Parkville
Schedule WRH 2-4

Missouri American Water Company
WR-200-281
Parkville District

Other Public Authority (OPA) Revenue
Rates & Analysis

	Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
118	Class/		Present			Proposed		
119	Description	Meters	Rates	Revenue	Meters	Rates	Revenue	
120	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
121	**OPA - Customer Charges:**							
122	**Monthly - Parkville**							
123	5/8 inch	274.0	$5.94	$1,628	274.0	$7.08	$1,940	
124	3/4 inch	0.0	7.60	0	0.0	9.08	0	
125	1 inch	24.0	10.77	258	24.0	12.84	308	
126	1-1/2 inch	72.0	18.73	1,349	72.0	22.33	1,607	
127	2 inch	143.0	28.28	4,044	143.0	33.71	4,820	
128	3 inch	0.0	50.54	0	0.0	60.24	0	
129	4 inch	0.0	82.34	0	0.0	98.15	0	
130	6 inch	12.0	161.85	1,942	12.0	192.93	2,315	
131	8 inch	0.0	257.26	0	0.0	306.65	0	
132	Total Customer Meter Billings	525.0		9,221	525.0		10,990	19.18%
133								
134	**OPA - Consumption Charges**							
135	**Monthly M Gals - Parkville**							
136	First 100 M Gals per month	8,687.0	$1.9548	16,981	8,687.0	$3.4456	29,932	
137	Next 1,900 M Gals per month	14,667.0	$1.0951	16,062	14,667.0	$2.7565	40,429	
138	Mext 3.000 M Gals per month	0.0	$0.8451	0	0.0	$1.4896	0	
139	All over 5,000 M Gals per month		$0.5691		0.0	$1.0031	0	
140	Total Consumption Charges	23,354.0		33,043	23,354.0		70,361	112.94%
141								
142	Reconciling Items						0	#DIV/0!
143								
144	Total OPA	23,354.0 (M Gals)		$42,264	23,354.0 (M Gals)		$81,351	92.48%
145								

Parkville
Schedule WRH 2-5

Missouri American Water Company
WR-200-281
Parkville District

Other Water Utilities Revenue
(Resale)
Rates & Analysis

Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
Resale - Customer Charges:							
Monthly - Parkville							
5/8 inch	0.0	$5.94	$0	0.0	$7.08	$0	
3/4 inch	0.0	7.60	0	0.0	9.06	0	
1 inch	0.0	10.77	0	0.0	12.84	0	
1-1/2 inch	0.0	18.73	0	0.0	22.33	0	
2 inch	0.0	28.28	0	0.0	33.71	0	
3 inch	36.0	50.54	1,819	36.0	60.24	2,169	
4 inch	12.0	82.34	988	12.0	98.15	1,178	
6 inch	0.0	161.65	0	0.0	192.93	0	
8 inch	0.0	257.26	0	0.0	306.65	0	
Total Customer Meter Billings	48.0		2,807	48.0		3,347	19.24%
Resale - Consumption Charges							
Monthly M Gals - Parkville							
First 100 M Gals per month	2,378.0	$1.9548	4,649	2,378.0	$4.2862	10,193	
Next 1,900 M Gals per month	45,392.0	$1.0951	49,709	45,392.0	$3.4290	155,648	
Mext 3.000 M Gals per month	32,034.0	$0.8451	27,072	32,034.0	$1.8530	59,359	
All over 5,000 M Gals per month	261	$0.5691	149	261.0	$1.2478	326	
Total Consumption Charges	80,065.0		81,579	80,065.0		225,526	178.45%
Reconciling Items	0.0		0	0.0		0	–
Total Resale	80,065.0 (M Gals)		$84,386	80,065.0 (M Gals)		$228,873	171.22%

Parkville
Schedule WRH 2-6

Missouri American Water Company
WR-200-281
Parkville District

Private Fire Revenue
Rates & Analysis

Class/ Description	Present Services	Present Rates	Present Revenue	Proposed Services	Proposed Rates	Proposed Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Private Fire Service		Annual			Annual			
2 inch diameter	1	$79.56	$80	1	$120.92	$121	$41	51.25%
3 inch diameter	0	136.66	0	0	$207.74	0	0	0.00%
4 inch diameter	3	216.84	651	3	$329.57	989	338	51.92%
6 inch diameter	20	444.72	8,894	20	$675.93	13,519	4,625	52.00%
8 inch diameter	9	765.24	6,887	9	$1,163.09	10,468	3,581	52.00%
10 inch diameter	3	1,176.24	3,529	3	$1,787.76	5,363	1,834	51.97%
12 inch diameter	0	1,677.12	0	0	$2,549.05	0	0	0.00%
	36		20,041	36		30,460	10,419	51.99%
Fire Hydrants	24	555.00	13,320	24	$843.54	20,245	6,925	51.99%
	60		$33,361	60		$50,705	$17,344	51.99%

Parkville
Schedule WRH 2-7

Missouri American Water Company
WR-200-281
Parkville District

Other Miscellaneous Revenue
Rates & Analysis

Class/ Description	Present Sales/Services	Present Rates	Present Revenue	Proposed Sales/Services	Proposed Rates	Proposed Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Miscellaneous Sales of Water								
Plant Sales of Bulk Water	M Gals			M Gals				
	2,572	$2.50	$6,430	2,572	$4.50	$11,574	$5,144	80.00%
Hydrant Tag Sales - # of tags	0	$28.00	0	0	$28.00	0	0	0.00%
# of days	0	$17.00	0	0	$17.00	0	0	0.00%
Total Miscellaneous			$6,430			$11,574	$5,144	80.00%

Description	Present Number	Present Rates	Present Revenue	Proposed Number	Proposed Rates	Proposed Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Other Operating Revenues - Parkville								
Activation Fees for new connections:								
	683	$20.00	13,660	683	$20.00	13,660		
	683		13,660	683		13,660	$0	0.00%
Reconnection Fees:								
	237	$40.00	9,480	237	$40.00	9,480		
	237		9,480	237		9,480	0	0.00%
			$23,140			$23,140	$0	0.00%
Other Service Charge Revenues - Parkville								
Miscellaneous Revenue			$45			$45		
Insufficient Check Fee	95	$12.00	1,140	95	$12.00	1,140		
			$1,185			$1,185	$0	0.00%
Rents from Water Properties								
Rents from antenna on water tanks			$0			$0	$0	0.00%
Miscellaneous Revenues								
2% Discount for paying Sales Tax on time			$264			$264	$0	0.00%

MISSOURI AMERICAN WATER COMPANY
Parkville District
Case No. WR-2000-281
RESIDENTIAL BILL COMPARISON
5/8. IN. METER
USAGE IN 1,000 GALLONS (M Gals)

Usage	Current Rate	Estimated District Rate	Difference	Percentage	
0.00	$5.94	$7.08	$1.14	19.2000%	
1.00	$7.89	$10.53	$2.63	33.3528%	
2.00	$9.85	$13.98	$4.13	41.8879%	
3.00	$11.80	$17.42	$5.62	47.5962%	
4.00	$13.76	$20.87	$7.11	51.6825%	
5.00	$15.71	$24.32	$8.60	54.7521%	
6.00	$17.67	$27.77	$10.10	57.1426%	
7.00	$19.62	$31.21	$11.59	59.0567%	
8.00	$21.58	$34.66	$13.08	60.6241%	
9.00	$23.53	$38.11	$14.57	61.9311%	AVG. USAGE
10.00	$25.49	$41.56	$16.07	63.0376%	
11.00	$27.44	$45.00	$17.56	63.9865%	
12.00	$29.40	$48.45	$19.05	64.8091%	
13.00	$31.35	$51.90	$20.54	65.5292%	
14.00	$33.31	$55.34	$22.04	66.1648%	

Current Rates

Customer Charge	$5.94	
Blocks:	1st	
Commodity Charge:	$1.9548	Per M Gal

Estimated District Rates

Customer Charge:	$7.08	
Blocks:	1st	
Commodity Charge:	$3.4475	Per M Gal

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
St. Charles District

Cost of Service by Class

DESCRIPTION	Totals	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER PUB. AUTH.	OTHER WATER UTIL.	PRIVATE FIRE	PUBLIC FIRE	TOTAL
O & M Expenses	$3,446,234	$2,840,121	$348,239	$2,013	$63,486	$0	$15,159	$177,217	$3,446,234
Depreciation & Amortization	$783,310	$542,224	$62,393	$295	$13,588	$0	$8,176	$156,634	$783,310
Taxes	$885,017	$606,715	$73,152	$340	$15,868	$0	$9,850	$179,091	$885,017
Return on Investment	$2,023,634	$1,355,294	$159,243	$732	$35,324	$0	$24,645	$448,396	$2,023,634
Uncollectables	$543	$543							$543
Income Taxes	$1,052,668	$705,006	$82,836	$381	$18,375	$0	$12,820	$233,250	$1,052,668
True Up Estimate	$67,095	$49,554	$5,945	$31	$1,201	$0	$579	$9,785	$67,095 $8,258,501
TOTAL Cost of Service	$8,258,501	$6,099,457	$731,809	$3,792	$147,843	$0	$71,229	$1,204,372	$8,258,502
		86.47%	10.37%	0.05%	2.10%	0.00%	1.01%		100.00%
Public Fire Redistributed	$1,204,372	$1,041,378	$124,944	$647	$25,242		$12,161		$1,204,372
Cost Of Service By Class	**$8,258,501**	**$7,140,835**	**$856,753**	**$4,439**	**$173,084**	**$0**	**$83,390**	**$0**	**$8,258,502**
Revenue Generation - Proposed Rates		**$7,029,799**	**856,752**	**4,439**	**173,084**	**0**	**83,390**	**$8,147,464**	

True Up Allocation

St. Charles
Schedule WRH 1

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
St. Charles District

REVENUE ANALYSIS

Missouri Public Service Commission
Company: Missouri-American Water Company
St. Charles District

Class	Sales M Gals	Number of Customers	Present Rates Total Revenue	% to Total	Proposed Rates Total Revenue	% to Total	Dollar Increase	Total Revenue % Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Residential	2,583,925.3	25274	$6,849,077	85.55%	$7,029,799	85.11%	$180,722	2.64%
Commercial	408,047.5	827	847,355	10.58%	856,752	10.37%	9,397	1.11%
Industrial	2,555.0	1.96	4,729	0.06%	4,439	0.05%	(290)	-6.13%
Other Public Authority	75,026.0	54.06	138,534	1.73%	173,084	2.10%	34,550	24.94%
Sales for Resale	0.0	0	0	0.00%	0	0.00%	0	
Private Fire	0.0		55,006	0.69%	83,390	1.01%	28,384	51.60%
Miscellaneous	0.0		0	0.00%	0	0.00%	0	
Total Water Sales	3,069,553.8		7,894,701	98.61%	8,147,464	98.64%	252,763	3.20%
Reconnect Charges			101,840	1.27%	101,840	1.23%	0	0.00%
Other Service Charge Revenues			7,896	0.10%	7,896	0.10%	0	0.00%
Rents from Water Property			1,300	0.02%	1,300	0.02%	0	0.00%
Miscellaneous Revenues			0	0.00%	0	0.00%	0	0.00%
Total Pro Forma Operating Revenues			$8,005,737	100.00%	$8,258,500	99.99%	$252,763	3.16%

St. Charles
Schedule WRH 2-1

Missouri American Water Company
WR-200-281
St. Charles District

Residental Revenue
Rates & Analysis

Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
Residential - Customer Charges:							
Monthly - St. Charles							
5/8 inch	297,276.0	$5.94	$1,765,819	297,276.0	$7.08	$2,104,857	
3/4 inch	0.0	7.60	0	0.0	$9.06	0	
1 inch	5,856.0	10.77	63,069	5,856.0	$12.84	75,178	
1-1/2 inch	132.0	18.73	2,472	132.0	$22.33	2,947	
2 inch	24.0	28.28	679	24.0	$33.71	809	
3 inch	0.0	50.54	0	0.0	$60.24	0	
4 inch	0.0	82.34	0	0.0	$98.15	0	
6 inch	0.0	161.65	0	0.0	$192.93	0	
8 inch	0.0	257.26	0	0.0	$306.65	0	
Total Customer Meter Billings	303,288.0		1,832,039	303,288.0		2,183,791	19.20%
Residential - Consumption Charges							
Monthly M Gals - St. Charles							
First 100 M Gals per month	2,553,178.5	$1.9548	4,990,953	2,553,178.5	$1.8859	4,815,057	
Next 1,900 M Gals per month	12,792.7	$1.0951	14,009	12,792.7	$1.5087	19,301	
Mext 3.000 M Gals per month	6,732.9	$0.8451	5,690	6,732.9	$0.8153	5,489	
All over 5,000 M Gals per month	11221.2	$0.5691	6,386	11,221.2	$0.5490	6,161	
Total Consumption Charges	2,583,925.3		5,017,038	2,583,925.3		4,846,008	-3.41%
Reconciling Items	0		0	0.0		0	0.00%
Total Residential	2,583,925.3 (M Gals)		$6,849,077	2,583,925.3 (M Gals)		$7,029,799	2.64%

St. Charles
Schedule WRH 2-2

Missouri American Water Company
WR-200-281
St. Charles District

Commercial Revenue
Rates & Analysis

Line	Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
62	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
63	**Commercial - Customer Charges:**							
64	**Monthly - St. Charles**							
65	5/8 inch	4,344.0	$5.94	$25,803	4,344.0	$7.08	$30,758	
66	3/4 inch	12.0	7.60	91	12.0	9.08	109	
67	1 inch	2,052.0	10.77	22,100	2,052.0	12.84	26,343	
68	1-1/2 inch	2,016.0	18.73	37,760	2,016.0	22.33	45,010	
69	2 inch	1,296.0	28.28	36,651	1,296.0	33.71	43,688	
70	3 inch	72.0	50.54	3,639	72.0	60.24	4,338	
71	4 inch	72.0	82.34	5,928	72.0	98.15	7,067	
72	6 inch	60.0	161.85	9,711	60.0	192.93	11,576	
73	8 inch	0.0	257.26	0	0.0	306.65	0	
74	Total Customer Meter Billings	9,924.0		141,683	9,924.0		168,889	19.20%
75								
76	**Commercial - Consumption Charges**							
77	**Monthly M Gals - St. Charles**							
78	First 100 M Gals per month	303,241.5	$1.9548	592,776	303,241.5	$1.7898	542,740	
79	Next 1,900 M Gals per month	97,297.0	$1.0951	106,550	97,297.0	$1.4318	139,313	
80	Mext 3.000 M Gals per month	7,509.0	$0.8451	6,346	7,509.0	$0.7738	5,810	
81	*All over 5,000 M Gals per month*	0	$0.5691	0	0.0	$0.5211	0	
82	Total Consumption Charges	408,047.5		705,672	408,047.5		687,863	-2.52%
83								
84	Reconciling Items	0		0	0.0		0	0.00%
85								
86	Total Commercial	408,047.5 (M Gals)		$847,355	408,047.5 (M Gals)		$856,752	1.11%
87								

St. Charles
Schedule WRH 2-3

Missouri American Water Company
WR-200-281
St. Charles District

Industrial Revenue
Rates & Analysis

Line	Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue
91	(A)	(B)	(C)	(D)	(E)	(F)	(G)
92	**Industrial - Customer Charges:**						
93	**Monthly - St. Charles**						
94	5/8 inch	0.0	$5.94	$0	0.0	$7.08	$0
95	3/4 inch	0.0	7.60	0	0.0	9.06	0
96	1 inch	0.0	10.77	0	0.0	12.84	0
97	1-1/2 inch	0.0	18.73	0	0.0	22.33	0
98	2 inch	23.5	28.28	665	23.5	33.71	792
99	3 inch	0.0	50.54	0	0.0	60.24	0
100	4 inch	0.0	82.34	0	0.0	98.15	0
101	6 inch	0.0	161.85	0	0.0	192.93	0
102	8 inch	0.0	257.26	0	0.0	306.65	0
103	Total Customer Meter Billings	23.5		665	23.5		792
104							
105	**Industrial - Consumption Charges**						
106	**Monthly M Gals - St. Charles**						
107	First 100 M Gals per month	1,473.0	$1.9548	2,879	1,473.0	$1.5597	2,297
108	Next 1,900 M Gals per month	1,082.0	$1.0951	1,185	1,082.0	$1.2477	1,350
109	Mext 3.000 M Gals per month	0.0	$0.8451	0	0.0	$0.6743	0
110	All over 5,000 M Gals per month		$0.5691		0.0	$0.4541	0
111	Total Consumption Charges	2,555.0		4,064	2,555.0		3,647
112							
113	Reconciling Items						
114							
115	Total Industrial	2,555.0 (M Gals)		$4,729	2,555.0 (M Gals)		$4,439
116							

St. Charles
Schedule WRH 2-4

Missouri American Water Company
WR-200-281
St. Charles District

Other Public Authority (OPA) Revenue
Rates & Analysis

	Class/	Present			Proposed			
118	Class/		Present			Proposed		
119	Description	Meters	Rates	Revenue	Meters	Rates	Revenue	
120	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
121	**OPA - Customer Charges:**							
122	**Monthly - St. Charles**							
123	5/8 inch	55.0	$5.94	$327	55.0	$7.08	$389	
124	3/4 inch	0.0	7.60	0	0.0	9.06	0	
125	1 inch	43.0	10.77	463	43.0	12.84	552	
126	1-1/2 inch	60.0	18.73	1,124	60.0	22.33	1,340	
127	2 inch	202.0	28.28	5,713	202.0	33.71	6,809	
128	3 inch	121.0	50.54	6,115	121.0	60.24	7,289	
129	4 inch	108.0	82.34	8,893	108.0	98.15	10,600	
130	6 inch	36.0	161.85	5,827	36.0	192.93	6,945	
131	8 inch	24.0	257.28	6,174	24.0	306.65	7,360	
132	Total Customer Meter Billings	649.0		34,636	649.0		41,284	19.19%
133								
134	**OPA - Consumption Charges**							
135	**Monthly M Gals - St. Charles**							
136	First 100 M Gals per month	27,293.0	$1.9548	53,352	27,293.0	$2.0941	57,153	
137	Next 1,900 M Gals per month	40,827.0	$1.0951	44,710	40,827.0	$1.6752	68,395	
138	Mext 3,000 M Gals per month	6,906.0	$0.8451	5,836	6,906.0	$0.9053	6,252	
139	All over 5,000 M Gals per month		$0.5691		0.0	$0.6096	0	
140	Total Consumption Charges	75,026.0		103,898	75,026.0		131,800	26.86%
141								
142	Reconciling Items						0	#DIV/0!
143								
144	Total OPA	75,026.0 (M Gals)		$138,534	75,026.0 (M Gals)		$173,084	24.94%
145								

St. Charles
Schedule WRH 2-5

Missouri American Water Company
WR-200-281
St. Charles District

Other Water Utilities Revenue
(Resale)
Rates & Analysis

Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
Resale - Customer Charges:							
Monthly - St. Charles							
5/8 inch	0.0	$5.94	$0	0.0	$7.06	$0	
3/4 inch	0.0	7.60	0	0.0	9.06	0	
1 inch	0.0	10.77	0	0.0	12.84	0	
1-1/2 inch	0.0	18.73	0	0.0	22.33	0	
2 inch	0.0	28.28	0	0.0	33.71	0	
3 inch	0.0	50.54	0	0.0	60.24	0	
4 inch	0.0	82.34	0	0.0	98.15	0	
6 inch	0.0	161.85	0	0.0	192.93	0	
8 inch	0.0	257.26	0	0.0	306.65	0	
Total Customer Meter Billings	0.0		0	0.0		0	#DIV/0!
Resale - Consumption Charges							
Monthly M Gals - St. Charles							
First 100 M Gals per month	0.0	$1.9548	0	0.0	$0.0000	0	
Next 1,900 M Gals per month	0.0	$1.0951	0	0.0	$0.0000	0	
Mext 3,000 M Gals per month	0.0	$0.8451	0	0.0	$0.0000	0	
All over 5,000 M Gals per month	0	$0.5691	0	0.0	$0.0000	0	
Total Consumption Charges	0.0		0	0.0		0	#DIV/0!
Reconciling Items	0.0		0	0.0			--
Total Resale	0.0 (M Gals)		$0	0.0 (M Gals)		$0	#DIV/0!

St. Charles
Schedule WRH 2-6

Missouri American Water Company
WR-200-281
St. Charles District

Private Fire Revenue
Rates & Analysis

Class/ Description	Present Services	Present Rates	Present Revenue	Proposed Services	Proposed Rates	Proposed Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Private Fire Service		Annual			Annual			
2 inch diameter	1	$79.56	$80	1	$120.61	$121	$41	51.25%
3 inch diameter	0	136.68	0	0	$207.21	0	0	0.00%
4 inch diameter	14	216.84	3,036	14	$328.73	4,602	1,566	51.58%
6 inch diameter	42	444.72	18,678	42	$674.20	28,317	9,639	51.61%
8 inch diameter	30	765.24	22,957	30	$1,160.12	34,803	11,846	51.60%
10 inch diameter	4	1,176.24	4,705	4	$1,783.20	7,133	2,428	51.60%
12 inch diameter	0	1,677.12	0	0	$2,542.54	0	0	0.00%
	91		49,456	91		74,976	25,520	51.60%
Fire Hydrants	10	555.00	5,550	10	$841.39	8,414	2,864	51.60%
	101		$55,006	101		$83,390	$28,384	51.60%

St. Charles
Schedule WRH 2-7

Missouri American Water Company
WR-200-281
St. Charles District

Other Miscellaneous Revenue
Rates & Analysis

Class/ Description	Present Sales/Services	Present Rates	Present Revenue	Proposed Sales/Services	Proposed Rates	Proposed Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Miscellaneous Sales of Water								
Plant Sales of Bulk Water	M Gals			M Gals				
	0	$2.50	$0	0	$7.50	$0	$0	0.00%
Hydrant Tag Sales - # of tags	592	$28.00	16,576	592	$28.00	16,576	0	0.00%
# of days	592	$17.00	10,064	592	$17.00	10,064	0	0.00%
Total Miscellaneous			$20,018 ?			$20,018 ?	$0	0.00%

Description	Present Number	Present Rates	Present Revenue	Proposed Number	Proposed Rates	Proposed Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Other Operating Revenues - St. Charles								
Activation Fees for new connections:								
	3,112	$20.00	62,240	3,112	$20.00	62,240		
	3,112		62,240	3,112		62,240	$0	0.00%
Reconnection Fees:								
	990	$40.00	39,600	990	$40.00	39,600		
	990		39,600	990		39,600	0	0.00%
			$101,840			$101,840	$0	0.00%
Other Service Charge Revenues - St. Charles								
Miscellaneous Revenue			$1,656			$1,656		
Insufficient Check Fee	520	$12.00	6,240	520	$12.00	6,240		
			$7,896			$7,896	$0	0.00%
Rents from Water Properties								
Rents from antenna on water tanks			$1,300			$1,300	$0	0.00%
Miscellaneous Revenues								
2% Discount for paying Sales Tax on time			$0			$0	$0	0.00%

St. Charles
Schedule WRH 2-8

MISSOURI AMERICAN WATER COMPANY
St. Charles District
Case No. WR-2000-281
RESIDENTIAL BILL COMPARISON
5/8. IN. METER
USAGE IN 1,000 GALLONS (M Gals)

Usage	Current Rate	Estimated District Rate	Difference	Percentage	
0.00	$5.94	$7.08	$1.14	19.2000%	
1.00	$7.89	$8.97	$1.07	13.5733%	
2.00	$9.85	$10.85	$1.00	10.1800%	
3.00	$11.80	$12.74	$0.93	7.9106%	
4.00	$13.76	$14.62	$0.86	6.2860%	
5.00	$15.71	$16.51	$0.80	5.0656%	
6.00	$17.67	$18.40	$0.73	4.1153%	
7.00	$19.62	$20.28	$0.66	3.3543%	
8.00	$21.58	$22.17	$0.59	2.7311%	
9.00	$23.53	$24.05	$0.52	2.2115%	AVG. USAGE
10.00	$25.49	$25.94	$0.45	1.7716%	
11.00	$27.44	$27.83	$0.38	1.3944%	
12.00	$29.40	$29.71	$0.31	1.0673%	
13.00	$31.35	$31.60	$0.24	0.7810%	
14.00	$33.31	$33.48	$0.18	0.5283%	

Current Rates

Customer Charge	$5.94	
Blocks:	1st	
Commodity Charge:	$1.9548	Per M Gal

Estimated District Rates

Customer Charge:	$7.08	
Blocks:	1st	
Commodity Charge:	$1.8859	Per M Gal

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
St. Joseph District

Cost of Service by Class

DESCRIPTION	Totals	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER PUB. AUTH.	OTHER WATER UTIL.	PRIVATE FIRE	PUBLIC FIRE	TOTAL
O & M Expenses	$4,700,520	$2,370,230	$721,280	$658,655	$118,331	$458,716	$48,338	$324,971	$4,700,520
Depreciation & Amortization	$916,750	$402,123	$136,240	$126,291	$23,885	$96,591	$10,584	$121,037	$916,750
Taxes	$498,396	$190,628	$79,169	$81,145	$14,719	$65,321	$6,264	$61,149	$498,396
Return on Investment	$1,671,440	$661,709	$255,042	$250,380	$47,034	$201,591	$19,462	$236,222	$1,671,440
Uncollectables	$7,848	$7,848							
Income Taxes	$652,649	$258,378	$99,587	$97,766	$18,365	$78,715	$7,599	$92,238	$652,649
True-up Estimate	$2,786,159	$1,282,575.47	$426,100.07	$400,665.09	$73,364.34	$297,284.15	$30,438.79	$275,731.39	$2,786,159
TOTAL REQUIREMENT	$11,233,762	$5,173,492	$1,717,418	$1,614,901	$295,699	$1,198,219	$122,685	$1,111,349	$11,233,763
		57.97%	19.24%	18.10%	3.31%		1.37%		100.00%
Public Fire Redistributed	$1,111,349	$644,266	$213,874	$201,107	$36,824		$15,278		$1,111,349
Cost Of Service By Class	**$11,233,762**	**$5,817,759**	**$1,931,292**	**$1,816,008**	**$332,523**	**$1,198,219**	**$137,963**		**$11,233,763**
Revenue Generation - Proposed Rates		$5,636,273	1,931,293	1,816,008	332,522	1,198,220	137,963		$11,052,279
		$181,486							

St. Joseph
Schedule WRH 1

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
St. Joseph District

REVENUE ANALYSIS

Missouri Public Service Commission
Company: Missouri-American Water Company
St. Joseph District

Line No.	Class	Sales CCF	Sales M Gals	Number of Customers	Present Rates Total Revenue	% to Total	Proposed Rates Total Revenue	% to Total	Dollar Increase	Total Revenue % Increase
1										
2										
3	(A)	(B)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
4										
5	Residential	2,459,763	1,844,837	27,380	$5,593,027	55.83%	$5,636,273	50.11%	$43,246	0.77%
6										
7	Commercial	1,315,907	986,931	3,161	1,896,607	18.93%	1,931,293	17.17%	34,686	1.83%
8										
9	Industrial	1,778,599	1,333,949	136	1,226,652	12.24%	1,816,008	16.14%	589,356	48.05%
10										
11	Other Public Authority	223,742	167,806	187	279,760	2.78%	332,522	2.95%	52,762	18.86%
12										
13	Sales for Resale	1,005,831	754,373	22	647,465	6.45%	1,198,220	10.65%	550,755	85.06%
14										
15	Private Fire				181,203	1.80%	137,963	1.22%	(43,240)	-23.86%
16										
17	Miscellaneous	5,141	3,856		9,639	0.09%	10,795	0.09%	1,156	11.99%
18										
19	Total Water Sales	6,769,003	5,091,752	30,886	9,834,353	98.12%	11,063,074	98.33%	1,228,721	12.49%
20										
21										
22	Reconnect Charges				170,440	1.69%	170,440	1.51%	0	0.00%
23	Other Service Charge Revenues				5,796	0.05%	5,796	0.04%	0	--
24	Rents from Water Property				1,003	0.00%	1,003	0.00%	0	0.00%
25	Miscellaneous Revenues				4,247	0.03%	4,247	0.03%	0	0.00%
26										
27										
28	Total Pro Forma Operating Revenues				$10,015,839	99.89%	$11,244,560	99.91%	$1,228,721	12.27%
29										

St. Joseph
Schedule WRH 2-1

Missouri American Water Company
WR-200-281
St. Joseph District

Residental Revenue
Rates & Analysis

Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
Residential - Customer Charges:							
Monthly - St. Joseph							
5/8 inch	216.0	$5.94	$1,283	216.0	$7.08	$1,529	
3/4 inch	0.0	7.60	0	0.0	$9.06	0	
1 inch	12.0	10.77	129	12.0	$12.84	154	
1-1/2 inch	0.0	18.73	0	0.0	$22.33	0	
2 inch	0.0	28.28	0	0.0	$33.71	0	
3 inch	0.0	50.54	0	0.0	$60.24	0	
4 inch	0.0	82.34	0	0.0	$98.15	0	
6 inch	0.0	161.85	0	0.0	$192.93	0	
8 inch	0.0	257.26	0	0.0	$306.65	0	
Sub-total Monthly	228.0		1,412	228.0		1,683	19.19%
Quarterly - St. Joseph							
5/8 inch	105,512.0	$17.82	$1,880,224	105,512.0	$21.24	$2,241,227	
3/4 inch	2,292.0	22.80	52,256	2,292.0	$27.16	62,291	
1 inch	1,568.0	32.31	50,662	1,568.0	$38.51	60,389	
1-1/2 inch	20.0	56.19	1,124	20.0	$66.98	1,340	
2 inch	48.0	84.84	4,072	48.0	$101.13	4,854	
3 inch	4.0	151.62	606	4.0	$180.73	723	
4 inch	0.0	247.02	0	0.0	$294.45	0	
6 inch	0.0	485.55	0	0.0	$578.78	0	
8 inch	0.0	771.78	0	0.0	$919.96	0	
Sub-total Quarterly	109,444.0		1,988,946	109,444.0		2,370,824	19.20%
Total Customer Meter Billings	109,672.0		$1,990,358	109,672.0		$2,372,507	19.20%
Residential - Consumption Charges							
Monthly CCF - St. Joseph							
First 134 CCF per month	1,703	$1.4661	2,497	1,703	$1.3282	2,262	
Next 2,533 CCF per month	4	$0.8213	3	4	$0.7440	3	
Next 4,000 CCF per month		$0.6338		0	$0.5742	0	
All over 6,667 per month		$0.4268		0	$0.3867	0	
Sub-total Monthly	1,707 (CCF)		2,500	1,707 (CCF)		2,265	-9.40%
Quarterly CCF - St. Joseph							
First 402 CCF per month	2,452,468	$1.4661	3,595,563	2,452,468	$1.3282	3,257,328	
Next 7,598 CCF per month	5,608	$0.8213	4,606	5,608	$0.7440	4,173	
Next 12,000 CCF per month	0	$0.6338	0	0	$0.5742	0	
All over 20,000 per month	0	$0.4268	0	0	$0.3867	0	
Sub-total Quarterly	2,458,076 (CCF)		3,600,169	2,458,076 (CCF)		3,261,501	-9.41%
Total Consumption Charges	2,459,783 (CCF)		3,602,669	2,459,783 (CCF)		3,263,766	-9.41%
Reconciling Items	0		0	0		0	0.00%
Total Residential	1,844,837 (M Gals)		$5,593,027	1,844,837 (M Gals)		$5,636,273	0.77%

St. Joseph
Schedule WRH 2-2

Missouri American Water Company
WR-200-281
St. Joseph District

Commercial Revenue
Rates & Analysis

Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
Commercial - Customer Charges:							
Monthly - St. Joseph							
5/8 inch	264.0	$5.94	$1,568	264.0	$7.08	$1,869	
3/4 inch	168.0	7.60	1,277	168.0	9.06	1,522	
1 inch	576.0	10.77	6,204	576.0	12.84	7,395	
1-1/2 inch	648.0	18.73	12,137	648.0	22.33	14,467	
2 inch	1,980.0	28.28	55,994	1,980.0	33.71	66,745	
3 inch	48.0	50.54	2,426	48.0	60.24	2,892	
4 inch	84.0	82.34	6,917	84.0	98.15	8,245	
6 inch	12.0	161.85	1,942	12.0	192.93	2,315	
8 inch	0.0	257.26	0	0.0	306.65	0	
Sub-total Monthly	3,780.0		88,465	3,780.0		105,450	19.20%
Quarterly - St. Joseph							
5/8 inch	9,464.0	$17.82	$168,648	9,464.0	$21.24	$201,029	
3/4 inch	540.0	22.80	12,312	540.0	27.18	14,676	
1 inch	1,076.0	32.31	34,766	1,076.0	38.51	41,441	
1-1/2 inch	132.0	56.19	7,417	132.0	66.98	8,841	
2 inch	172.0	84.84	14,592	172.0	101.13	17,394	
3 inch	0.0	151.62	0	0.0	180.73	0	
4 inch	0.0	247.02	0	0.0	294.45	0	
6 inch	0.0	485.55	0	0.0	578.78	0	
8 inch	0.0	771.78	0	0.0	919.96	0	
Sub-total Quarterly	11,384.0		237,735	11,384.0		283,381	19.20%
Total Customer Meter Billings	15,164.0		$326,200	15,164.0		$388,831	19.20%
Commercial - Consumption Charges							
Monthly CCF - St. Joseph							
First 134 CCF per month	77,445	$1.4661	113,543	77,445	$1.4400	111,522	
Next 2,533 CCF per month	47,996	$0.8213	39,419	47,996	$0.8067	38,718	
Next 4,000 CCF per month	5,331	$0.6338	3,379	5,331	$0.6225	3,319	
All over 6,667 per month	360.9	$0.4268	154	361	$0.4192	151	
Sub-total Monthly	131,133 (CCF)		156,495	131,133 (CCF)		153,710	-1.78%
Quarterly CCF - St. Joseph							
First 402 CCF per month	699,712	$1.4661	1,025,848	699,712	$1.4400	1,007,589	
Next 7,598 CCF per month	433,636	$0.8213	356,145	433,636	$0.8067	349,810	
Next 12,000 CCF per month	48,167	$0.6338	30,528	48,167	$0.6225	29,986	
All over 20,000 per month	3,260	$0.4268	1,391	3,260	$0.4192	1,367	
Sub-total Quarterly	1,184,775 (CCF)		1,413,912	1,184,775 (CCF)		1,388,752	-1.78%
Total Consumption Charges	1,315,907 (CCF)		1,570,407	1,315,907 (CCF)		1,542,462	-1.78%
Reconciling Items	0		0	0		0	0.00%
Total Commercial	986,931 (M Gals)		$1,896,607	986,931 (M Gals)		$1,931,293	1.83%

St. Joseph
Schedule WRH 2-3

Missouri American Water Company
WR-200-281
St. Joseph District

Industrial Revenue
Rates & Analysis

	Class/ Description	Present				Proposed			
		Meters	Rates	Revenue		Meters	Rates	Revenue	
127	Class/		Present				Proposed		
128	Description	Meters	Rates	Revenue		Meters	Rates	Revenue	
129	(A)	(B)	(C)	(D)		(E)	(F)	(G)	
130	**Industrial - Customer Charges:**				**Industrial - Customer Charges:**				
131	**Monthly - St. Joseph**				**Monthly - St. Joseph**				
132	5/8 inch	12.0	$5.94	$71	5/8 inch	12.0	$7.08	$85	
133	3/4 inch	12.0	7.60	91	3/4 inch	12.0	9.06	109	
134	1 inch	*204.0*	*10.77*	*2,197*	1 inch	204.0	12.84	2,619	
135	1-1/2 inch	60.0	18.73	1,124	1-1/2 inch	60.0	22.33	1,340	
136	2 inch	861.0	28.28	24,349	2 inch	861.0	33.71	29,024	
137	3 inch	12.0	50.54	606	3 inch	12.0	60.24	723	
138	4 inch	176.0	82.34	14,492	4 inch	176.0	98.15	17,274	
139	6 inch	24.0	161.85	3,884	6 inch	24.0	192.93	4,630	
140	8 inch	0.0	257.26	0	8 inch	0.0	306.65	0	
141	Sub-total Monthly	1,361.0		46,814		1,361.0		55,804	19.20%
142	**Quarterly - St. Joseph**				***Quarterly - St. Joseph***				
143	5/8 inch	29.0	$17.82	$517	5/8 inch	29.0	$21.24	$616	
144	3/4 inch	12.0	22.80	274	3/4 inch	12.0	27.18	326	
145	1 inch	28.0	32.31	905	1 inch	28.0	38.51	1,078	
146	1-1/2 inch	8.0	56.19	450	1-1/2 inch	8.0	66.98	536	
147	2 inch	12.0	84.84	1,018	2 inch	12.0	101.13	1,214	
148	3 inch	0.0	151.62	0	3 inch	0.0	180.73	0	
149	4 inch	0.0	247.02	0	4 inch	0.0	294.45	0	
150	*6 inch*	*0.0*	485.55	0	6 inch	0.0	578.78	0	
151	8 inch	0.0	771.78	0	8 inch	0.0	919.96	0	
152	Sub-total Quarterly	89.0		3,164		89.0		3,770	19.15%
153	Total Customer Meter Billings	1,450.0		$49,978		1,450.0		$59,574	19.20%
154									
155	**Industrial - Consumption Charges**				**Industrial - Consumption Charges**				
156	**Monthly CCF - St. Joseph**				**Monthly CCF - St. Joseph**				
157	First 134 CCF per month	86,853.3	$1.4661	127,336	First 134 CCF per month	86,853.3	$2.1884	190,070	
158	Next 2,533 CCF per month	*603,445.3*	*$0.8213*	*495,610*	Next 2,533 CCF per month	603,445.3	$1.2259	739,790	
159	Next 4,000 CCF per month	431,117.3	$0.6338	273,242	Next 4,000 CCF per month	431,117.3	$0.9461	407,876	
160	All over 6,667 per month	657,182.7	$0.4268	280,486	All over 6,667 per month	657,182.7	$0.6371	418,698	
161	Sub-total Monthly	1,778,598.6 (CCF)		1,176,674		1,778,599 (CCF)		1,756,434	49.27%
162	**Quarterly CCF - St. Joseph**				**Quarterly CCF - St. Joseph**				
163	First 3,000 CCF per quarter	0	$1.4661	0	First 402 CCF per month	0	$2.1884	0	
164	All over 3,000 CCF per month	0	$0.8213	0	Next 7,598 CCF per month	0	$1.2259	0	
165	Next 12,000 CCF per month	0	$0.6338	0	Next 12,000 CCF per month	0	$0.9461	0	
166	*All over 20,000 per month*	0	$0.4268	0	All over 20,000 per month	0	$0.6371	0	
167	Sub-total Quarterly	0 (CCF)		0		0 (CCF)		0	
168	Total Consumption Charges	1,778,599 (CCF)		1,176,674		1,778,599 (CCF)		1,756,434	49.27%
169									
170	Reconciling Items	(CCF)				0 (CCF)		0	
171									
172	Total Industrial	1,333,949 (M Gals)		$1,226,652		1,333,949 (M Gals)		$1,816,008	48.05%
173									

St. Joseph
Schedule WRH 2-4

Missouri American Water Company
WR-200-281
St. Joseph District

Other Public Authority (OPA) Revenue
Rates & Analysis

Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
OPA - Customer Charges:							
Monthly - St. Joseph							
5/8 inch	125.0	$5.94	$743	125.0	$7.08	$885	
3/4 inch	42.5	7.60	323	42.5	9.06	385	
1 inch	202.0	10.77	2,178	202.0	12.84	2,593	
1-1/2 inch	103.5	18.73	1,939	103.5	22.33	2,311	
2 inch	595.5	28.28	16,841	595.5	33.71	20,074	
3 inch	6.5	50.54	329	6.5	60.24	392	
4 inch	71.0	82.34	5,846	71.0	98.15	6,969	
6 inch	9.0	161.85	1,457	9.0	192.93	1,736	
8 inch	0.0	257.26	0	0.0	306.65	0	
Sub-total Monthly	1,155.0		29,654	1,155.0		35,345	19.19%
Quarterly - St. Joseph							
5/8 inch	121.0	$17.82	$2,156	121.0	$21.24	$2,570	
3/4 inch	33.5	22.80	764	33.5	27.18	910	
1 inch	65.5	32.31	2,116	65.5	38.51	2,523	
1-1/2 inch	34.5	56.19	1,939	34.5	66.98	2,311	
2 inch	108.0	84.84	9,163	108.0	101.13	10,922	
3 inch	0.0	151.62	0	0.0	180.73	0	
4 inch	0.0	247.02	0	0.0	294.45	0	
6 inch	0.0	485.55	0	0.0	578.78	0	
8 inch	0.0	771.76	0	0.0	919.96	0	
Sub-total Quarterly	362.5		16,138	362.5		19,236	19.20%
Total Customer Meter Billings	1,517.5		$45,792	1,517.5		$54,581	19.19%
OPA - Consumption Charges							
Monthly CCF - St. Joseph							
First 134 CCF per month	85,999	$1.4661	126,083	85,999	$1.7416	149,779	
Next 2,533 CCF per month	109,780	$0.8213	90,162	109,780	$0.9757	107,108	
Next 4,000 CCF per month	27,963	$0.6338	17,723	27,963	$0.7529	21,054	
All over 6,667 per month	0	$0.4268	0	0	$0.5070	0	
Sub-total Monthly	223,742 (CCF)		233,968	223,742 (CCF)		277,941	18.79%
Quarterly CCF - St. Joseph							
First 402 CCF per month	0	$1.4661	0	0	$1.7416	0	
Next 7,598 CCF per month	0	$0.8213	0	0	$0.9757	0	
Next 12,000 CCF per month	0	$0.6338	0	0	$0.7529	0	
All over 20,000 per month	0	$0.4268	0	0	$0.5070	0	
Sub-total Quarterly	0 (CCF)		0	0 (CCF)		0	
Total Consumption Charges	223,742 (CCF)		233,968	223,742 (CCF)		277,941	18.79%
Reconciling Items	(CCF)			(CCF)		0	
Total OPA	167,806 (M Gals)		$279,760	167,806 (M Gals)		$332,522	18.86%

St. Joseph
Schedule WRH 2-5

Missouri American Water Company
WR-200-281
St. Joseph District

Other Water Utilities Revenue (Resale) Rates & Analysis

Class/ Description	Present				Proposed				
	Meters		Rates	Revenue	Meters		Rates	Revenue	
(A)	(B)		(C)	(D)	(E)		(F)	(G)	
Resale - Customer Charges:									
Monthly - St. Joseph									
5/8 Inch	0.0		$5.94	$0	0.0		$7.08	$0	
3/4 Inch	0.0		7.80	0	0.0		9.06	0	
1 Inch	0.0		10.77	0	0.0		12.84	0	
1-1/2 Inch	0.0		18.73	0	0.0		22.33	0	
2 inch	156.0		28.28	4,412	156.0		33.71	5,259	
3 inch	5.0		50.54	253	5.0		60.24	301	
4 inch	72.0		82.34	5,928	72.0		98.15	7,067	
6 inch	24.0		161.85	3,884	24.0		192.93	4,630	
8 inch	12.0		257.26	3,087	12.0		306.65	3,680	
Total Customer Meter Billings	269.0			17,564	269.0			20,937	19.20%
Resale - Consumption Charges									
Monthly CCF - St. Joseph									
First 134 CCF per month	17,363.0		$1.4661	25,456	17,363		$2.7401	47,576	
Next 2,533 CCF per month	288,870.7		$0.8213	237,250	288,871		$1.5350	443,410	
Next 4,000 CCF per month	331,430.7		$0.6338	210,061	331,431		$1.1846	392,606	
All over 6,667 per month	368,166.7		$0.4268	157,134	368,167		$0.7977	293,691	
Total Consumption Charges	1,005,831.1	(CCF)		629,901	1,005,831	(CCF)		1,177,283	86.90%
Reconciling Items	0.0	(CCF)		0	0	(CCF)		0	–
Total Resale	754,373.0	(M Gals)		$647,465	754,373	(M Gals)		$1,198,220	85.06%

St. Joseph
Schedule WRH 2-6

Missouri American Water Company
WR-200-281
St. Joseph District

Private Fire Revenue
Rates & Analysis

	Class/ Description	Present Services	Present Rates	Present Revenue	Proposed Services	Proposed Rates	Proposed Revenue	Increase	% Increase
254	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
255	**Private Fire Service - St. Joseph**		Annual			Annual			
256	2 inch diameter	3	$79.56	$239	3	$60.57	$182	($57)	-23.85%
257	3 inch diameter	1	136.68	137	1	$104.08	104	(33)	-24.09%
258	4 inch diameter	57	216.84	12,360	57	$165.10	9,410	(2,950)	-23.87%
259	6 inch diameter	108	444.72	48,030	108	$338.60	36,569	(11,461)	-23.86%
260	8 inch diameter	84	765.24	64,280	84	$582.63	48,941	(15,339)	-23.86%
261	10 inch diameter	9	1,176.24	10,586	9	$895.56	8,060	(2,526)	-23.86%
262	12 inch diameter	5	1,677.12	8,386	5	$1,276.92	6,385	(2,001)	-23.86%
263		267		144,018	267		109,651	(34,367)	-23.86%
264									
265	Fire Hydrants	67	555.00	37,185	67	422.56	28,312	(8,873)	-23.86%
266									
267		334		$181,203	334		$137,963	($43,240)	-23.86%
268									

St. Joseph
Schedule WRH 2-7

Missouri American Water Company
WR-200-281
St. Joseph District

Other Miscellaneous Revenue
Rates & Analysis

Class/ Description	Present Sales/Services	Present Rates	Present Revenue	Proposed Sales/Services	Proposed Rates	Proposed Revenue	Increase	% increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Miscellaneous Sales of Water - St. Joseph								
Plant Sales of Bulk Water	M Gals			M Gals				
	3,856	$2.50	$9,639	3,856	$2.80	$10,795	$1,156	11.99%
Hydrant Tag Sales - # of tags	0	$28.00	0	0	$28.00	0	0	0.00%
# of days	0	$17.00	0	0	$17.00	0	0	0.00%
Total Miscellaneous			$9,639			$10,795	$1,156	11.99%

Description	Present Number	Present Rates	Present Revenue	Proposed Number	Proposed Rates	Proposed Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Other Operating Revenues - St. Joseph								
Activation Fees for new connections:								
	4,815	$20.00	96,300	4,815	$20.00	96,300		
	4,815		96,300	4,815		96,300	$0	--
Reconnection Fees:								
	1,854	$40.00	74,140	1,854	$40.00	74,140		
	1,854		74,140	1,854		74,140	0	0.00%
			$170,440			$170,440	$0	0.00%
Other Service Charge Revenues - St. Joseph								
Miscellaneous Revenue			$0			$0		
Insufficient Check Fee	483	$12.00	5,796	483	$12.00	5,796		
			$5,796			$5,796	$0	--
Rents from Water Properties								
Rents from antenna on water tanks			$1,003			$1,003	$0	0.00%
Miscellaneous Revenues								
2% Discount for paying Sales Tax on time			$4,247			$4,247	$0	0.00%

St. Joseph
Schedule WRH 2-8

MISSOURI AMERICAN WATER COMPANY

St. Joseph - Monthly

Case No. WR-2000-281

RESIDENTIAL BILL COMPARISON

5/8. IN. METER

USAGE IN Ccf's

Usage	Current Rate	Estimated District Rate	Difference	Percentage
0.00	$5.94	$7.08	$1.14	19.2000%
1.00	$7.41	$8.41	$1.00	13.5370%
2.00	$8.87	$9.74	$0.86	9.7456%
3.00	$10.34	$11.07	$0.73	7.0295%
4.00	$11.80	$12.39	$0.59	4.9881%
5.00	$13.27	$13.72	$0.45	3.3978%
6.00	$14.74	$15.05	$0.31	2.1238%
7.00	$16.20	$16.38	$0.18	1.0805%
8.00	$17.67	$17.71	$0.04	0.2103% AVG. USAGE
9.00	$19.13	$19.03	($0.10)	-0.5266%
10.00	$20.60	$20.36	($0.24)	-1.1586%
11.00	$22.07	$21.69	($0.38)	-1.7066%
12.00	$23.53	$23.02	($0.51)	-2.1863%
13.00	$25.00	$24.35	($0.65)	-2.6098%
14.00	$26.47	$25.68	($0.79)	-2.9863%

Current Rates

Customer Charge	$5.94	
Blocks:	1st	
Commodity Charge:	$1.4661	per Ccf

Estimated District Rates

Customer Charge:	$7.08	
Blocks:	1st	
Commodity Charge:	$1.3282	per Ccf

St. Joseph
Schedule WRH 3

MISSOURI AMERICAN WATER COMPANY 14-Apr-00
WR-2000-281
Warrensburg District

Cost of Service by Class

DESCRIPTION	Totals	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER PUB. AUTH.	OTHER WATER UTIL.	PRIVATE FIRE	PUBLIC FIRE	TOTAL
O & M Expenses	$757,395	$456,672	$113,288	$26,615	$78,096	$45,262	$13,588	$23,874	$757,395
Depreciation & Amortization	$203,528	$103,738	$30,837	$7,335	$24,216	$14,009	$4,791	$18,602	$203,528
Taxes	$194,366	$92,899	$31,986	$8,307	$26,797	$16,690	$4,436	$13,250	$194,366
Return on Investment	$435,044	$210,613	$69,387	$17,425	$57,710	$35,186	$10,775	$33,948	$435,044
Uncollectables	$3,841	$3,841							
Income Taxes	$383,814	$185,812	$61,216	$15,373	$50,914	$31,043	$9,506	$29,950	$383,814
True-up Estimate	$558,132	$270,207.52	$88,951	$22,316.79	$73,996	$45,091.30	$13,857	$43,712.44	$558,132
TOTAL REQUIREMENT	$2,536,120	$1,323,784	$395,666	$97,373	$311,728	$187,282	$56,953	$163,336	$2,536,121
		60.57%	18.10%	4.46%	14.26%		2.61%		100.00%
Public Fire Redistributed	$163,336	$98,934.32	$29,570.50	$7,277.26	$23,297.31		$4,256.45		$163,336
Cost Of Service By Class	**$2,536,120**	**$1,422,718**	**$425,236**	**$104,650**	**$335,025**	**$187,282**	**$61,210**		**$2,536,121**
		$1,367,640	425,236	104,650	335,025	187,282	61,390	$2,481,223	

Warrensburg
Schedule WRH 1

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
Warrensburg District

REVENUE ANALYSIS

Missouri Public Service Commission
Company: Missouri-American Water Company
Warrensburg District

Line No.	Class	Sales CCF	Sales M Gals	Number of Customers	Present Rates Total Revenue	% to Total	Proposed Rates Total Revenue	% to Total	Dollar Increase	Total Revenue % Increase
3	(A)	(B)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
4										
5	Residential	476,391	357,293	5,297	$1,069,766	57.84%	$1,367,640	53.92%	$297,854	27.84%
6										
7	Commercial	234,109	175,582	587	320,980	17.36%	425,236	16.77%	104,256	32.48%
8										
9	Industrial	86,495	64,871	14	83,186	4.50%	104,650	4.13%	21,464	25.80%
10										
11	Other Public Authority	185,928	139,446	123	216,721	11.72%	335,025	13.21%	118,304	54.59%
12										
13	Sales for Resale	120,473	90,355	3	77,181	4.17%	187,282	7.38%	110,101	142.65%
14										
15	Private Fire				27,260	1.47%	61,390	2.42%	34,130	125.20%
16										
17	Miscellaneous	937	703		1,757	0.09%	2,459	0.10%	702	0.00%
18										
19	Total Water Sales	1,104,333	828,250		1,796,871	97.15%	2,483,682	97.93%	686,811	38.22%
20										
21										
22	Reconnect Charges				50,712	2.74%	50,712	2.00%	0	0.00%
23	Other Service Charge Revenues				1,584	0.09%	1,584	0.06%	0	--
24	Rents from Water Property				0	0.00%	0	0.00%	0	0.00%
25	Miscellaneous Revenues				324	0.02%	324	0.01%	0	0.00%
26										
27										
28	Total Pro Forma Operating Revenues				$1,849,491	100.00%	$2,536,302	100.00%	$686,811	37.14%
29										

Warrensburg
Schedule WRH 2-1

Missouri American Water Company
WR-200-281
Warrensburg District

Residental Revenue
Rates & Analysis

	Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
33	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
34	**Residential - Customer Charges:**							
35	**Monthly - Warrensburg**							
36	5/8 inch	63,492.0	$5.94	$377,142	63,492.0	$7.08	$449,554	
37	3/4 inch	0.0	7.60	0	0.0	$9.06	0	
38	1 inch	72.0	10.77	775	72.0	$12.84	924	
39	1-1/2 inch	0.0	18.73	0	0.0	$22.33	0	
40	2 inch	0.0	28.28	0	0.0	$33.71	0	
41	3 inch	0.0	50.54	0	0.0	$60.24	0	
42	4 inch	0.0	82.34	0	0.0	$98.15	0	
43	6 inch	0.0	161.65	0	0.0	$192.93	0	
44	8 inch	0.0	257.26	0	0.0	$306.65	0	
45	Total Customer Meter Billings	63,564.0		377,917	63,564.0		450,478	19.20%
46								
47	**Residential - Consumption Charges**							
48	**Monthly CCF - Warrensburg**							
49	First 134 CCF per month	468,404.2	$1.4661	686,727	468,404.2	$1.9426	909,911	
50	Next 2,533 CCF per month	3,035.8	$0.8213	2,493	3,035.8	$1.0882	3,304	
51	Next 4,000 CCF per month	4,180.2	$0.6338	2,649	4,180.2	$0.8398	3,511	
52	All over 6,667 per month	770.8	$0.4268		770.8	$0.5655	436	
53	Total Consumption Charges	476,391.0 (CCF)		691,869	476,391.0 (CCF)		917,162	32.56%
54								
55	Reconciling Items	0.0		0	0		0	0.00%
56								
57	Total Residential	357,293.0 (M Gals)		$1,069,786	357,293.0 (M Gals)		$1,367,640	27.84%
58								

Warrensburg
Schedule WRH 2-2

Missouri American Water Company
WR-200-281
Warrensburg District

Commercial Revenue
Rates & Analysis

	Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
62	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
63	**Commercial - Customer Charges:**							
64	**Monthly - Warrensburg**							
65	5/8 inch	5,124.0	$5.94	$30,437	5,124.0	$7.08	$36,280	
66	3/4 inch	24.0	7.60	182	24.0	9.06	217	
67	1 inch	804.0	10.77	8,659	804.0	12.84	10,322	
68	1-1/2 inch	336.0	18.73	6,293	336.0	22.33	7,502	
69	2 inch	720.0	28.28	20,362	720.0	33.71	24,271	
70	3 inch	36.0	50.54	1,819	36.0	60.24	2,169	
71	4 inch	0.0	82.34	0	0.0	98.15	0	
72	6 inch	0.0	161.65	0	0.0	192.93	0	
73	8 inch	0.0	257.26	0	0.0	308.65	0	
74	Total Customer Meter Billings	7,044.0		67,752	7,044.0		80,761	19.20%
75								
76	**Commercial - Consumption Charges**							
77	**Monthly CCF - Warrensburg**							
78	First 134 CCF per month	127,639.7	$1.4661	187,133	127,639.7	$1.9944	254,562	
79	Next 2,533 CCF per month	50,841.8	$0.8213	41,756	50,841.8	$1.1173	56,803	
80	Next 4,000 CCF per month	2,880.3	$0.6338	1,826	2,880.3	$0.8622	2,483	
81	All over 6,667 per month	52747.6	$0.4268	22,513	52,747.6	$0.5806	30,627	
82	Total Consumption Charges	234,109.4 (CCF)		253,228	234,109.4 (CCF)		344,475	36.03%
83								
84	Reconciling Items	0		0	0		0	0.00%
85								
86	Total Commercial	175,562.0 (M Gals)		$320,960	174,646.0 (M Gals)		$425,236	32.48%
87								

Warrensburg
Schedule WRH 2-3

Missouri American Water Company
WR-200-281
Warrensburg District

Industrial Revenue
Rates & Analysis

	Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
91	(A)	(B)	(C)	(D)	(E)	(F)	(G)	
92	**Industrial - Customer Charges:**							
93	**Monthly - Warrensburg**							
94	5/8 inch	36.0	$5.94	$214	36.0	$7.08	$255	
95	3/4 inch	0.0	7.60	0	0.0	9.06	0	
96	1 inch	24.0	10.77	258	24.0	12.84	308	
97	1-1/2 inch	23.0	18.73	431	23.0	22.33	514	
98	2 inch	48.0	28.28	1,357	48.0	33.71	1,618	
99	3 inch	12.0	50.54	606	12.0	60.24	723	
100	4 inch	24.0	82.34	1,976	24.0	98.15	2,356	
101	6 inch	0.0	161.85	0	0.0	192.93	0	
102	8 inch	*0.0*	*257.28*	0	0.0	306.65	0	
103	Total Customer Meter Billings	167.0		4,842	167.0		5,774	19.25%
104								
105	**Industrial - Consumption Charges**							
106	**Monthly CCF - Warrensburg**							
107	First 134 CCF per month	*12,305.3*	*$1.4661*	*18,041*	12,305.3	$1.8503	22,769	
108	Next 2,533 CCF per month	70,834.7	$0.8213	58,177	70,834.7	$1.0366	73,424	
109	Next 4,000 CCF per month	3,354.6	$0.6338	2,126	3,354.6	$0.7999	2,683	
110	All over 6,667 per month		$0.4268		0.0	$0.5387	0	
111	Total Consumption Charges	86,494.6 (CCF)		78,344	86,494.6 (CCF)		98,876	26.21%
112								
113	Reconciling Items	(CCF)			(CCF)			
114								
115	Total Industrial	64,871.0 (M Gals)		$83,186	64,871.0 (M Gals)		$104,650	25.80%

Warrensburg
Schedule WRH 2-4

Missouri American Water Company
WR-200-281
Warrensburg District

Other Public Authority (OPA) Revenue
Rates & Analysis

Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
OPA - Customer Charges:							
Monthly - Warrensburg							
5/8 Inch	820.5	$5.94	$4,874	820.5	$7.08	$5,810	
3/4 Inch	9.0	7.60	68	9.0	9.08	82	
1 Inch	24.0	10.77	258	24.0	12.84	308	
1-1/2 Inch	60.0	18.73	1,124	60.0	22.33	1,340	
2 Inch	364.0	28.28	10,294	364.0	33.71	12,270	
3 Inch	84.0	50.54	4,245	84.0	60.24	5,060	
4 Inch	106.0	82.34	8,728	106.0	98.15	10,404	
6 Inch	0.0	161.65	0	0.0	192.93	0	
8 Inch	12.0	257.26	3,087	12.0	306.65	3,680	
Total Customer Meter Billings	1,479.5		32,678	1,479.5		38,954	19.21%
OPA - Consumption Charges							
Monthly CCF - Warrensburg							
First 134 CCF per month	49,741.3	$1.4661	72,926	49,741.3	$2.3585	117,316	
Next 2,533 CCF per month	132,276.0	$0.8213	108,638	132,276.0	$1.3212	174,768	
Next 4,000 CCF per month	3,910.7	$0.6338	2,479	3,910.7	$1.0196	3,987	
All over 6,667 per month		$0.4268		0.0	$0.6866	0	
Total Consumption Charges	185,928.0 (CCF)		184,043	185,928.0 (CCF)		296,071	60.87%
Reconciling Items	(CCF)			(CCF)			
Total OPA	139,446.0 (M Gals)		$216,721	139,446.0 (M Gals)		$335,025	54.59%

Warrensburg
Schedule WRH 2-5

Missouri American Water Company
WR-200-281
Warrensburg District

Other Water Utilities Revenue
(Resale)
Rates & Analysis

	Class/ Description	Present Meters	Present Rates		Present Revenue	Proposed Meters	Proposed Rates		Proposed Revenue	
149	(A)	(B)	(C)		(D)	(E)	(F)		(G)	
150	**Resale - Customer Charges:**									
151	**Monthly - Warrensburg**									
152	*5/8 inch*	*0.0*	*$5.94*		*$0*	0.0	$7.08		$0	
153	3/4 inch	0.0	7.60		0	0.0	9.06		0	
154	1 inch	0.0	10.77		0	0.0	12.84		0	
155	1-1/2 inch	0.0	18.73		0	0.0	22.33		0	
156	2 inch	24.0	28.28		679	24.0	33.71		809	
157	3 inch	0.0	50.54		0	0.0	60.24		0	
158	*4 inch*	*12.0*	82.34		988	12.0	98.15		1,178	
159	6 inch	0.0	161.85		0	0.0	192.93		0	
160	8 inch	0.0	257.28		0	0.0	306.65		0	
161	Total Customer Meter Billings	36.0			1,667	36.0			1,987	19.20%
162										
163	**Resale - Consumption Charges**									
164	**Monthly CCF - Warrensburg**									
165	First 134 CCF per month	*2,045.3*	*$1.4661*		*2,999*	2,045.3	$3.5974		7,358	
166	Next 2,533 CCF per month	30,505.3	$0.8213		25,054	30,505.3	$2.0152		61,476	
167	Next 4,000 CCF per month	48,000.0	$0.6338		30,422	48,000.0	$1.5552		74,650	
168	All over 6,667 per month	39,922.7	$0.4268		17,039	39,922.7	$1.0473		41,811	
169	Total Consumption Charges	120,473.3		(CCF)	75,514	120,473.3		(CCF)	185,295	145.38%
170										
171	Reconciling Items	0.0		(CCF)	0	0.0		(CCF)	0	0.00%
172										
173	Total Resale	90,355.0		(M Gals)	$77,181	90,355.0		(M Gals)	$187,282	142.65%

Warrensburg
Schedule WRH 2-6

Missouri American Water Company
WR-200-281
Warrensburg District

Private Fire Revenue
Rates & Analysis

Class/ Description	Present			Proposed				
	Services	Rates	Revenue	Services	Rates	Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Private Fire Service - Warrensburg		Annual			Annual			
2 inch diameter	1	$79.58	$80	1	$179.17	$179	$99	123.75%
3 inch diameter	0	136.68	0	0	$307.80	0	0	0.00%
4 inch diameter	16	216.84	3,469	16	$488.33	7,813	4,344	125.22%
6 inch diameter	28	444.72	12,452	28	$1,001.51	28,042	15,590	125.20%
8 inch diameter	11	765.24	8,418	11	$1,723.33	18,957	10,539	125.20%
10 inch diameter	1	1,176.24	1,176	1	$2,648.90	2,649	1,473	125.26%
12 inch diameter	0	1,677.12	0	0	$3,776.89	0	0	0.00%
	57		25,595	57		57,640	32,046	125.20%
Fire Hydrants	3	555.00	1,665	3	1,249.86	3,750	2,085	125.23%
	60		$27,260	60		$61,390	$34,130	125.20%

Warrensburg
Schedule WRH 2-7

Missouri American Water Company
WR-200-281
Warrensburg District

Other Miscellaneous Revenue
Rates & Analysis

Class/ Description	Present Sales/Services	Present Rates	Present Revenue	Proposed Sales/Services	Proposed Rates	Proposed Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Miscellaneous Sales of Water - Warrensburg								
Plant Sales of Bulk Water	M Gals			M Gals				
	702.7	$2.50	$1,757	703	$3.50	$2,459	$702	39.95%
Hydrant Tag Sales - # of tags	0	$28.00	0	0	$28.00	0	0	0.00%
# of days	0	$17.00	0	0	$17.00	0	0	0.00%
Total Miscellaneous			$1,757			$2,459	$702	39.95%

Description	Present Number	Present Rates	Present Revenue	Proposed Number	Proposed Rates	Proposed Revenue	Increase	% Increase
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Other Operating Revenues - Warrensburg								
Activation Fees for new connections:								
	1,857	$20.00	37,140	1,857	$20.00	37,140		
	1,857		37,140	1,857		37,140	$0	0.00%
Reconnection Fees:								
	339	$40.00	13,572	339	$40.00	13,572		
	339		13,572	339		13,572	0	0.00%
			$50,712			$50,712	$0	0.00%
Other Service Charge Revenues - Warrensburg								
Miscellaneous Revenue			$0			$0		
Insufficient Check Fee	132	$12.00	1,584	132	$12.00	1,584		
			$1,584			$1,584	$0	-
Rents from Water Properties								
Rents from antenna on water tanks			$0			$0	$0	0.00%
Miscellaneous Revenues								
2% Discount for paying Sales Tax on time			$324			$324	$0	0.00%

Warrensburg
Schedule WRH 2-8

MISSOURI AMERICAN WATER COMPANY

Warrensburg District

Case No. WR-2000-281

RESIDENTIAL BILL COMPARISON

5/8. IN. METER

USAGE IN Ccfs

Usage	Current Rate	Estimated District Rate	Difference	Percentage
0.00	$5.94	$5.94	$0.00	0.0000%
1.00	$7.41	$7.88	$0.48	6.4336%
2.00	$8.87	$9.83	$0.95	10.7409%
3.00	$10.34	$11.77	$1.43	13.8265%
4.00	$11.80	$13.71	$1.91	16.1457%
5.00	$13.27	$15.65	$2.38	17.9524%
6.00	$14.74	$17.60	$2.86	19.3997%
7.00	$16.20	$19.54	$3.34	20.5850%
8.00	$17.67	$21.48	$3.81	21.5737%
9.00	$19.13	$23.42	$4.29	22.4108%
10.00	$20.60	$25.37	$4.76	23.1288%
11.00	$22.07	$27.31	$5.24	23.7514%
12.00	$23.53	$29.25	$5.72	24.2964%
13.00	$25.00	$31.19	$6.19	24.7774%
14.00	$26.47	$33.14	$6.67	25.2052%

AVG. USAGE

Current Rates

Customer Charge	$5.94
Blocks:	1st
Commodity Charge:	$1.4661 per Ccf

Estimated District Rates

Customer Charge:	$5.94
Blocks:	1st
Commodity Charge:	$1.9426 per Ccf