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

FILED
MAY 04 2000
Missouri Public
Service Commission

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

SCHEDULES TO REBUTTAL TESTIMONY

OF

WENDELL R. HUBBS

Jefferson City, Missouri
May, 2000

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	$251,946	$101,629	$26,988	$1,475	$3,298	$90,548	$2,479	$25,530	$251,946
Depreciation & Amortization	$44,987	$18,270	$4,837	$269	$591	$15,535	$466	$5,019	$44,987
Taxes	$17,471	$6,235	$1,642	$87	$210	$5,780	$295	$3,222	$17,471
Return on Investment	$73,974	$29,586	$7,749	$426	$950	$24,625	$956	$9,682	$73,974
Uncollectables	$1,398	$1,398							
Income Taxes	$38,278	$15,309	$4,010	$221	$492	$12,742	$495	$5,010	$38,278
TOTAL REQUIREMENT	$428,054	$172,428	$45,226	$2,478	$5,540	$149,230	$4,690	$48,463	$428,055
		74.85%	19.63%	1.08%	2.41%		2.04%		100.00%
Public Fire Redistributed	$48,463	$36,275	$9,514	$521	$1,166		$987		$48,463
Cost Of Service By Class	**$428,054**	**$208,703**	**$54,741**	**$2,999**	**$6,706**	**$149,230**	**$5,677**	**$0**	**$428,055**
		$206,245	54,740	2,999	6,706	149,230	5,678	$425,598	

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
Brunswick District

REVENUE ANALYSIS

Missouri Public Service Commission
Company: Missouri-American Water Company
Brunswick 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	18,567.9	407	$66,003	56.36%	$206,245	48.17%	$140,242	212.48%
7	Commercial	5,668.7	75	17,200	14.69%	54,740	12.79%	37,540	218.26%
9	Industrial	388.0	3	1,087	0.93%	2,999	0.70%	1,912	175.90%
11	Other Public Authority	732.0	6	2,126	1.82%	6,706	1.57%	4,580	215.43%
13	Sales for Resale	21,571.0	5	25,801	22.03%	149,230	34.86%	123,429	478.39%
15	Private Fire	0.0		2,554	2.18%	5,678	1.33%	3,124	122.32%
17	Miscellaneous	22.0		55	0.05%	165	0.04%	110	200.00%
19	Total Water Sales	47,149.6		114,826	98.06%	425,763	99.46%	310,937	270.79%
22	Reconnect Charges			2,140	1.83%	2,140	0.50%	0	0.00%
23	Other Service Charge Revenues			129	0.11%	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%
28	Total Pro Forma Operating Revenues			$117,119	100.02%	$428,056	100.00%	$310,937	265.49%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Brunswick District
Residential Revenues

Class/ Description	Present			Proposed			
	Meters	Rates	Revenue	Meters	Rates	Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
Residential - Customer Charges:							
Monthly - Brunswick							
5/8 inch	4,848.0	$5.94	$28,797	4,848.0	$7.08	$34,326	
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	4,884.0		29,815	4,884.0		35,540	19.20%
Residential - Consumption Charges							
Monthly M Gals - Brunswick							
First 100 M Gals per month	18,441.2	$1.9548	36,049	18,441.2	$9.2061	169,772	
Next 1,900 M Gals per month	126.7	$1.0951	139	126.7	$7.3649	933	
Mext 3,000 M Gals per month	0.0	$0.8451	0	0.0	$3.9800	0	
All over 5,000 M Gals per month		$0.5691		0.0	$2.6802	0	
Total Consumption Charges	18,567.9		36,188	18,567.9		170,705	371.72%
Reconciling Items	0		0	0.0		0	0.00%
Total Residential	18,567.9 (M Gals)		$66,003	18,567.9 (M Gals)		$206,245	212.48%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Brunswick District
Commercial Revenues

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	816.0	$5.94	$4,847	816.0	$7.08	$5,778	
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	900.0		6,172	900.0		7,357	19.20%
Commercial - Consumption Charges							
Monthly M Gals - Brunswick							
First 100 M Gals per month	5,351.7	$1.9548	10,462	5,351.7	$8.2187	43,984	
Next 1,900 M Gals per month	517.0	$1.0951	566	517.0	$6.5750	3,399	
Mext 3.000 M Gals per month	0.0	$0.8451	0	0.0	$3.5531	0	
All over 5,000 M Gals per month		$0.5691		0.0	$2.3927	0	
Total Consumption Charges	5,868.7		11,028	5,868.7		47,383	329.66%
Reconciling Items	0		0	0.0		0	0.00%
Total Commercial	5,868.7 (M Gals)		$17,200	5,868.7 (M Gals)		$54,740	218.26%

Brunswick
Schedule WRH 2-3

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Brunswick District
Industrial Revenues

Line	Class/ Description (A)	Present Meters (B)	Present Rates (C)	Present Revenue (D)	Proposed Meters (E)	Proposed Rates (F)	Proposed Revenue (G)	
92	**Industrial - Customer Charges:**							
93	**Monthly - Brunswick**							
94	5/8 inch	12.0	$5.94	$71	12.0	$7.08	$85	
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	0.0	18.73	0	0.0	22.33	0	
98	2 inch	0.0	28.28	0	0.0	33.71	0	
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	36.0		329	36.0		393	19.45%
104								
105	**Industrial - Consumption Charges**							
106	**Monthly M Gals - Brunswick**							
107	First 100 M Gals per month	388.0	$1.9548	758	388.0	$6.7163	2,606	
108	Next 1,900 M Gals per month	0.0	$1.0951	0	0.0	$5.3730	0	
109	Mext 3.000 M Gals per month	0.0	$0.8451	0	0.0	$2.9036	0	
110	All over 5,000 M Gals per month		$0.5691		0.0	$1.8553	0	
111	Total Consumption Charges	388.0		758	388.0		2,606	243.80%
112								
113	Reconciling Items							
114								
115	Total Industrial	388.0	(M Gals)	$1,087	388.0	(M Gals)	$2,999	175.90%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Brunswick District
OPA Revenues

Line	Class/ Description	Present Meters	Present Rates	Present Revenue	Proposed Meters	Proposed Rates	Proposed Revenue	
120	(A)	(B)	(C)	(D)	(E)	(F)	(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	$8.0272	5,876	
137	Next 1,900 M Gals per month	0.0	$1.0951	0	0.0	$6.4217	0	
138	Mext 3.000 M Gals per month	0.0	$0.8451	0	0.0	$3.4703	0	
139	All over 5,000 M Gals per month	0	$0.5691	0	0.0	$2.3370	0	
140	Total Consumption Charges	732.0		1,431	732.0		5,876	310.62%
141								
142	Reconciling Items						0	
143								
144	Total OPA	732.0 (M Gals)		$2,126	732.0 (M Gals)		$6,706	215.43%

Brunswick
Schedule WRH 2-5

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Brunswick District
Resale Revenues

Line	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 - Brunswick**							
152	5/8 inch	12.0	$5.94	$71	12.0	$7.08	$85	
153	3/4 inch	0.0	7.60	0	0.0	9.06	0	
154	1 inch	12.0	10.77	129	12.0	12.84	154	
155	1-1/2 inch	0.0	18.73	0	0.0	22.33	0	
156	2 inch	36.0	28.28	1,018	36.0	33.71	1,214	
157	3 inch	0.0	50.54	0	0.0	60.24	0	
158	4 inch	0.0	82.34	0	0.0	98.15	0	
159	6 inch	0.0	161.85	0	0.0	192.93	0	
160	8 inch	0.0	257.26	0	0.0	306.65	0	
161	Total Customer Meter Billings	60.0		1,218	60.0		1,453	19.29%
162								
163	**Resale - Consumption Charges**							
164	**Monthly M Gals - Brunswick**							
165	First 100 M Gals per month	1,200.0	$1.9548	2,346	1,200.0	$8.4963	10,196	
166	Next 1,900 M Gals per month	20,089.0	$1.0951	21,999	20,089.0	$6.7970	136,545	
167	Mext 3.000 M Gals per month	282.0	$0.8451	238	282.0	$3.6731	1,036	
168	All over 5,000 M Gals per month		$0.5691		0.0	$2.4735	0	
169	Total Consumption Charges	21,571.0		24,583	21,571.0		147,777	501.13%
170								
171	Reconciling Items	0.0		0	0.0		0	--
172								
173	Total Resale	21,571.0	(M Gals)	$25,801	21,571.0	(M Gals)	$149,230	478.39%
174								

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Brunswick District
Private Fire Service Revenues

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	0	$79.56	$0	0	$176.85	$0	$0	0.00%
3 inch diameter	0	136.68	0	0	$303.82	0	0	0.00%
4 inch diameter	0	216.84	0	0	$482.01	0	0	0.00%
6 inch diameter	2	444.72	889	2	$988.56	1,977	1,088	122.38%
8 inch diameter	0	765.24	0	0	$1,701.05	0	0	0.00%
10 inch diameter	0	1,176.24	0	0	$2,614.65	0	0	0.00%
12 inch diameter	0	1,677.12	0	0	$3,728.06	0	0	0.00%
	2		889	2		1,977	1,088	122.38%
Fire Hydrants	3	555.00	1,665	3	$1,233.70	3,701	2,036	122.28%
	5		$2,554	5		$5,878	$3,124	122.32%

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				
	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%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Brunswick District
Miscellaneous Revenues

	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%

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	$16.29	$8.39	106.2950%	
2.00	$9.85	$25.49	$15.64	158.8195%	
3.00	$11.80	$34.70	$22.89	193.9479%	
4.00	$13.76	$43.90	$30.15	219.0947%	AVG. USAGE
5.00	$15.71	$53.11	$37.40	237.9851%	
6.00	$17.67	$62.32	$44.65	252.6956%	
7.00	$19.62	$71.52	$51.90	264.4753%	
8.00	$21.58	$80.73	$59.15	274.1208%	
9.00	$23.53	$89.94	$66.40	282.1639%	
10.00	$25.49	$99.14	$73.65	288.9732%	
11.00	$27.44	$108.35	$80.90	294.8124%	
12.00	$29.40	$117.55	$88.16	299.8751%	
13.00	$31.35	$126.76	$95.41	304.3065%	
14.00	$33.31	$135.97	$102.66	308.2177%	

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:	$9.2061	Per M Gal

Brunswick
Schedule WRH 3

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
Brunswick District

Cost per Mgal Old Rates	Cost per Mgal Proposed Rates		Cost per Ccf Old Rates	Cost per Ccf Proposed Rates
$3.55468	$11.10761	Residential	2.65179	8.28628
$2.93080	$9.32745	Commercial	2.18638	6.95828
$2.80155	$7.72938	Industrial	2.08995	5.76612
$2.90437	$9.16120	*Other Public Authority*	2.16666	6.83426
$1.19610	$6.91808	Sales for Resale	0.89229	5.16089

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	$3,375,940	$1,937,213	$686,101	$324,216	$82,553	$133,111	$55,812	$156,152	$3,375,156
Depreciation & Amortization	$842,127	$427,166	$177,357	$87,835	$23,663	$39,975	$25,032	$61,099	$842,127
Taxes	$406,760	$178,244	$91,816	$51,385	$12,505	$24,445	$12,294	$36,072	$406,760
Return on Investment	$1,715,303	$796,740	$368,447	$190,919	$50,121	$91,312	$59,628	$158,134	$1,715,303
Uncollectables	($6,879)	($6,879)							
Income Taxes	$621,316	$288,595	$133,459	$69,155	$18,155	$33,075	$21,599	$57,279	$621,316
True-up Estimate	$0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0
TOTAL REQUIREMENT	$6,954,567	$3,621,079	$1,457,180	$723,509	$186,998	$321,918	$174,364	$468,736	$6,953,784
		58.75%	23.64%	11.74%	3.03%		2.83%		100.00%
Public Fire Redistributed	$468,736	$275,401	$110,826	$55,026	$14,222		$13,261		$468,736
Cost Of Service By Class	**$6,954,567**	**$3,896,480**	**$1,568,006**	**$778,535**	**$201,220**	**$321,918**	**$187,625**		**$6,953,784**
Revenue Generation - Proposed Rates		**$3,718,581**	**1,568,006**	**778,535**	**201,220**	**321,917**	**187,627**		**$6,775,886**

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	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	1,616,667	1,364,150	18,832	$4,096,067	53.92%	$3,718,581	53.48%	($377,466)	-9.22%
6										
7	Commercial	1,319,252	989,439	3,180	1,877,474	24.72%	1,568,006	22.55%	(309,468)	-16.48%
8										
9	Industrial	1,034,967	776,240	87	797,199	10.49%	778,535	11.20%	(18,664)	-2.34%
10										
11	Other Public Authority	170,954	128,216	142	223,270	2.94%	201,220	2.89%	(22,050)	-9.88%
12										
13	Sales for Resale	356,686	267,516	14	271,930	3.58%	321,917	4.63%	49,987	18.38%
14										
15	Private Fire				152,509	2.01%	187,627	2.70%	35,118	23.03%
16										
17	Miscellaneous	1,431	1,073		2,683	0.04%	2,683	0.04%	0	0.00%
18										
19	Total Water Sales	4,702,179	3,526,634		7,421,132	97.70%	6,778,569	97.49%	(642,563)	-8.66%
20										
21										
22	*Reconnect Charges*				166,360	2.19%	166,360	2.39%	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%
26										
27										
28	Total Pro Forma Operating Revenues				$7,596,348	100.01%	$6,953,785	100.01%	($642,563)	-8.46%
29										

Joplin
Schedule WRH 2-1

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Joplin District
Residential Revenues

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 - Joplin**								
36	5/8 inch	204,528.0	$5.94	$1,214,898	204,528.0		$7.08	$1,448,156	
37	3/4 inch	348.0	7.60	2,645	348.0		$9.06	3,153	
38	1 inch	20,892.0	10.77	225,007	20,892.0		$12.84	268,208	
39	1-1/2 inch	24.0	18.73	450	24.0		$22.33	536	
40	2 inch	192.0	28.28	5,430	192.0		$33.71	6,472	
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	225,984.0		1,448,428	225,984.0			1,726,525	19.20%
46									
47	**Residential - Consumption Charges**								
48	**Monthly CCF - Joplin**								
49	First 134 CCF per month	1,792,675.7	$1.4661	2,628,242	1,792,675.7		$1.1031	1,977,461	
50	Next 2,533 CCF per month	18,734.3	$0.8213	15,386	18,734.3		$0.6179	11,577	
51	Next 4,000 CCF per month	4,001.5	$0.6338	2,536	4,001.5		$0.4769	1,908	
52	All over 6,667 per month	3,455.8	$0.4268	1,475	3,455.8		$0.3211	1,110	
53	Total Consumption Charges	1,818,867.3 (CCF)		2,647,639	1,818,867.3	(CCF)		1,992,056	-24.76%
54									
55	Reconciling Items	0.0		0	0			0	0.00%
56									
57	Total Residential	1,364,150.0 (M Gals)		$4,096,067	1,364,150.0	(M Gals)		$3,718,581	-9.22%
58									

Joplin
Schedule WRH 2-2

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Joplin District
Commercial Revenues

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	28,476.0	$5.94	$169,147	28,476.0	$7.08	$201,624	
3/4 inch	468.0	7.60	3,557	468.0	9.06	4,240	
1 inch	5,508.0	10.77	59,321	5,508.0	12.84	70,711	
1-1/2 inch	588.0	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	161.85	3,884	24.0	192.93	4,630	
8 inch	0.0	257.26	0	0.0	306.65	0	
Total Customer Meter Billings	38,160.0		339,018	38,160.0		404,112	19.20%
Commercial - Consumption Charges							
Monthly CCF - Joplin							
First 134 CCF per month	725,373.0	$1.4661	1,063,469	725,373.0	$1.1091	804,547	
Next 2,533 CCF per month	536,888.0	$0.8213	440,948	536,888.0	$0.6213	333,593	
Next 4,000 CCF per month	46,942.2	$0.6338	29,752	46,942.2	$0.4795	22,509	
All over 6,667 per month	10046.4	$0.4268	4,289	10,046.4	$0.3229	3,245	
Total Consumption Charges	1,319,251.6 (CCF)		1,538,458	1,319,251.6 (CCF)		1,163,894	-24.35%
Reconciling Items	0		0	0		0	0.00%
Total Commercial	989,439.0 (M Gals)		$1,877,474	984,162.0 (M Gals)		$1,568,006	-16.48%

Joplin
Schedule WRH 2-3

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Joplin District
Industrial Revenues

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 - Joplin**							
94	5/8 inch	141.0	$5.94	$838	141.0	$7.08	$998	
95	3/4 inch	12.0	7.60	91	12.0	9.06	109	
96	1 inch	212.0	10.77	2,283	212.0	12.84	2,722	
97	1-1/2 inch	45.0	18.73	843	45.0	22.33	1,005	
98	2 inch	408.0	28.28	11,538	408.0	33.71	13,754	
99	3 inch	0.0	50.54	0	0.0	60.24	0	
100	4 inch	179.0	82.34	14,739	179.0	98.15	17,569	
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	1,045.0		38,101	1,045.0		45,417	19.20%
104								
105	**Industrial - Consumption Charges**							
106	**Monthly CCF - Joplin**							
107	First 134 CCF per month	69,680.6	$1.4661	102,159	69,680.6	$1.4159	98,660	
108	Next 2,533 CCF per month	477,254.7	$0.8213	391,969	477,254.7	$0.7932	378,550	
109	Next 4,000 CCF per month	273,765.3	$0.6338	173,512	273,765.3	$0.6121	167,577	
110	All over 6,667 per month	214286.7	$0.4268	91,458	214,286.7	$0.4122	88,331	
111	Total Consumption Charges	1,034,987.3 (CCF)		759,098	1,034,987.3 (CCF)		733,118	-3.42%
112								
113	Reconciling Items	(CCF)			(CCF)			
114								
115	Total Industrial	776,240.0 (M Gals)		$797,199	776,240.0 (M Gals)		$778,535	-2.34%

Joplin
Schedule WRH 2-4

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Joplin District
OPA Revenues

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 - Joplin							
5/8 Inch	398.5	$5.94	$2,367	398.5	$7.08	$2,822	
3/4 inch	60.0	7.60	456	60.0	9.06	544	
1 Inch	471.5	10.77	5,078	471.5	12.84	6,053	
1-1/2 inch	132.0	18.73	2,472	132.0	22.33	2,947	
2 Inch	550.0	28.28	15,554	550.0	33.71	18,540	
3 Inch	0.0	50.54	0	0.0	60.24	0	
4 Inch	48.0	82.34	3,952	48.0	98.15	4,711	
6 inch	0.0	161.85	0	0.0	192.93	0	
8 inch	48.0	257.28	12,348	48.0	306.65	14,719	
Total Customer Meter Billings	1,708.0		42,227	1,708.0		50,336	19.20%
OPA - Consumption Charges							
Monthly CCF - Joplin							
First 134 CCF per month	63,522.0	$1.4661	93,130	63,522.0	$1.2219	77,615	
Next 2,533 CCF per month	105,721.3	$0.8213	86,829	105,721.3	$0.6845	72,365	
Next 4,000 CCF per month	1,710.7	$0.6338	1,084	1,710.7	$0.5282	904	
All over 6,667 per month	0	$0.4268	0	0.0	$0.3557	0	
Total Consumption Charges	170,954.0 (CCF)		181,043	170,954.0 (CCF)		150,884	-16.66%
Reconciling Items	(CCF)			(CCF)			
Total OPA	128,216.0 (M Gals)		$223,270	128,216.0 (M Gals)		$201,220	-9.88%

Joplin
Schedule WRH 2-5

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Joplin District
Resale Revenues

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	13,352.1	$1.4661	19,576	13,352.1	$1.7352	23,168	
Next 2,533 CCF per month	183,581.3	$0.8213	150,775	183,581.3	$0.9720	178,446	
Next 4,000 CCF per month	118,790.7	$0.6338	75,290	118,790.7	$0.7501	89,110	
All over 6,667 per month	40,964.0	$0.4268	17,483	40,964.0	$0.5052	20,693	
Total Consumption Charges	356,688.1 (CCF)		263,124	356,688.1 (CCF)		311,419	18.35%
Reconciling Items	0.0 (CCF)		0	0.0 (CCF)		0	0.00%
Total Resale	267,516.0 (M Gals)		$271,930	267,516.0 (M Gals)		$321,917	18.38%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Joplin District
Miscellaneous Revenues

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%

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	$8.18	$0.78	10.4975%
2.00	$8.87	$9.29	$0.41	4.6712%
3.00	$10.34	$10.39	$0.05	0.4973%
4.00	$11.80	$11.49	($0.31)	-2.6398%
5.00	$13.27	$12.60	($0.67)	-5.0837%
6.00	$14.74	$13.70	($1.04)	-7.0413%
7.00	$16.20	$14.80	($1.40)	-8.6447%
8.00	$17.67	$15.91	($1.76)	-9.9820%
9.00	$19.13	$17.01	($2.13)	-11.1143%
10.00	$20.60	$18.11	($2.49)	-12.0855%
11.00	$22.07	$19.21	($2.85)	-12.9277%
12.00	$23.53	$20.32	($3.22)	-13.6649%
13.00	$25.00	$21.42	($3.58)	-14.3156%
14.00	$26.47	$22.52	($3.94)	-14.8943%

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:	$1.1031	per Ccf

Joplin
Schedule WRH 3

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
Joplin District

Cost per Ccf Old Rates	Cost per Ccf Proposed Rates	
$2.25199	$2.04445	Residential
$1.42314	$1.18856	Commercial
$0.77025	$0.75222	Industrial
$1.30602	$1.17704	Other Public Authority
$0.76237	$0.90252	Sales for Resale

MISSOURI AMERICAN WATER COMPANY 03-May-00
WR-2000-281
Mexico 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	$1,139,073	$575,817	$126,386	$188,595	$54,962	$111,491	$27,231	$54,593	$1,139,073
Depreciation & Amortization	$384,276	$157,066	$46,150	$83,462	$22,715	$50,698	$8,240	$15,946	$384,276
Taxes	$75,509	$28,363	$9,120	$16,847	$4,781	$11,131	$2,633	$2,633	$75,509
Return on Investment	$921,152	$363,247	$111,270	$204,571	$56,038	$127,454	$23,806	$34,767	$921,152
Uncollectables	$7,470	$7,470							
Income Taxes	$366,857	$144,666	$44,314	$81,472	$22,318	$50,760	$9,481	$13,846	$366,857
True-up Estimate	$0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0
TOTAL REQUIREMENT	$2,894,337	$1,276,629	$337,240	$574,946	$160,814	$351,534	$71,390	$121,784	$2,894,338
		52.73%	13.93%	23.75%	6.64%		2.95%		100.00%
Public Fire Redistributed	$121,784	$64,218	$16,964	$28,921	$8,089		$3,591		$121,784
Cost Of Service By Class	**$2,894,337**	**$1,340,847**	**$354,204**	**$603,868**	**$168,903**	**$351,534**	**$74,982**		**$2,894,338**
Revenue Generation - Proposed Rates		**$1,305,186**	**354,204**	**603,867**	**168,903**	**351,534**	**74,981**		**$2,858,675**

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)
5	Residential	346,225	259,669	4,404	$805,189	50.95%	$1,305,186	45.16%	$499,997	62.10%
7	Commercial	136,739	102,554	483	228,789	14.48%	354,204	12.26%	125,415	54.82%
9	Industrial	323,155	242,366	25	256,211	16.21%	603,867	20.89%	347,656	135.69%
11	Other Public Authority	70,049	52,537	89	101,534	6.42%	168,903	5.84%	67,369	66.35%
13	Sales for Resale	162,965	122,224	6	118,327	7.49%	351,534	12.16%	233,207	197.09%
15	Private Fire				39,734	2.51%	74,981	2.59%	35,247	88.71%
17	Miscellaneous	467	350		875	0.06%	1,575	0.05%	700	80.00%
19	Total Water Sales	1,039,601	779,700		1,550,659	98.12%	2,860,250	98.95%	1,309,591	84.45%
22	Reconnect Charges				28,820	1.82%	28,820	1.00%	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%
28	Total Pro Forma Operating Revenues				$1,580,439	100.00%	$2,890,030	99.96%	$1,309,591	82.86%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Mexico District
Residential Revenues

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	52,704.0	$5.94	$313,062	52,704.0	$7.08	$373,170	
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	52,848.0		314,823	52,848.0		375,270	19.20%
46								
47	**Residential - Consumption Charges**							
48	**Monthly CCF - Mexico**							
49	First 134 CCF per month	325,820.9	$1.4661	477,686	325,820.9	$2.7803	905,868	
50	Next 2,533 CCF per month	5,922.6	$0.8213	4,864	5,922.6	$1.5575	9,224	
51	Next 4,000 CCF per month	7,902.1	$0.6338	5,008	7,902.1	$1.2020	9,498	
52	All over 6,667 per month	6,579.8	$0.4268	2,808	6,579.8	$0.8094	5,326	
53	Total Consumption Charges	346,225.4	(CCF)	490,366	346,225.4	(CCF)	929,916	89.64%
54								
55	Reconciling Items	0.0		0	0		0	0.00%
56								
57	Total Residential	259,669.0	(M Gals)	$805,189	259,669.0	(M Gals)	$1,305,186	62.10%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Mexico District
Commercial Revenues

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 - Mexico**							
65	5/8 inch	4,332.0	$5.94	$25,732	4,332.0	$7.08	$30,673	
66	3/4 inch	84.0	7.60	638	84.0	9.06	761	
67	1 inch	912.0	10.77	9,822	912.0	12.84	11,708	
68	1-1/2 inch	0.0	18.73	0	0.0	22.33	0	
69	2 inch	456.0	28.28	12,896	456.0	33.71	15,372	
70	3 inch	12.0	50.54	606	12.0	60.24	723	
71	4 inch	0.0	82.34	0	0.0	98.15	0	
72	6 inch	0.0	161.85	0	0.0	192.93	0	
73	8 inch	0.0	257.26	0	0.0	306.65	0	
74	Total Customer Meter Billings	5,796.0		49,694	5,796.0		59,237	19.20%
75								
76	**Commercial - Consumption Charges**							
77	**Monthly CCF - Mexico**							
78	First 134 CCF per month	103,585.3	$1.4661	151,866	103,585.3	$2.4146	250,121	
79	Next 2,533 CCF per month	33,153.8	$0.8213	27,229	33,153.8	$1.3527	44,846	
80	Next 4,000 CCF per month	0.0	$0.6338	0	0.0	$1.0439	0	
81	All over 6,667 per month	0	$0.4266	0	0.0	$0.7030	0	
82	Total Consumption Charges	136,739.1 (CCF)		179,095	136,739.1 (CCF)		294,967	64.70%
83								
84	Reconciling Items	0		0	0		0	0.00%
85								
86	Total Commercial	102,554.0 (M Gals)		$228,789	102,007.0 (M Gals)		$354,204	54.82%

Mexico
Schedule WRH 2-3

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Mexico District
Industrial Revenues

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	$3.5745	66,128	
108	Next 2,533 CCF per month	143,423.0	$0.8213	117,793	143,423.0	$2.0024	287,195	
109	Next 4,000 CCF per month	124,529.0	$0.6338	78,926	124,529.0	$1.5453	192,438	
110	All over 6,667 per month	36703	$0.4268	15,665	36,703.0	$1.0406	38,195	
111	Total Consumption Charges	323,155.0	(CCF)	239,507	323,155.0	(CCF)	583,956	143.82%
112								
113	Reconciling Items		(CCF)			(CCF)		
114								
115	Total Industrial	242,366.0	(M Gals)	$256,211	242,366.0	(M Gals)	$603,867	135.69%

Mexico
Schedule WRH 2-4

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Mexico District
OPA Revenues

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 - 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	1,448	
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	$2.5864	104,856	
Next 2,533 CCF per month	29,508.0	$0.8213	24,235	29,508.0	$1.4489	42,754	
Next 4,000 CCF per month	0.0	$0.6338	0	0.0	$1.1182	0	
All over 6,667 per month	0	$0.4268	0	0.0	$0.7530	0	
Total Consumption Charges	70,049.0	(CCF)	83,672	70,049.0	(CCF)	147,610	76.42%
Reconciling Items		(CCF)			(CCF)		
Total OPA	52,537.0	(M Gals)	$101,534	52,537.0	(M Gals)	$168,903	66.35%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Mexico District
Resale Revenues

Line	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:**				**Resale - Customer Charges:**				
151	**Monthly - Mexico**				**Monthly - Mexico**				
152	5/8 inch	0.0	$5.94	$0	5/8 inch	0.0	$7.08	$0	
153	3/4 inch	0.0	7.60	0	3/4 inch	0.0	9.06	0	
154	1 inch	0.0	10.77	0	1 inch	0.0	12.84	0	
155	1-1/2 inch	0.0	18.73	0	1-1/2 inch	0.0	22.33	0	
156	2 inch	48.0	28.28	1,357	2 inch	48.0	33.71	1,618	
157	3 inch	24.0	50.54	1,213	3 inch	24.0	60.24	1,446	
158	4 inch	0.0	82.34	0	4 inch	0.0	98.15	0	
159	6 inch	0.0	161.85	0	6 inch	0.0	192.93	0	
160	8 inch	0.0	257.26	0	8 inch	0.0	306.65	0	
161	Total Customer Meter Billings	72.0		2,570		72.0		3,064	19.22%
162									
163	**Resale - Consumption Charges**				**Resale - Consumption Charges**				
164	**Monthly CCF - Mexico**				**Monthly CCF - Mexico**				
165	First 134 CCF per month	3,216.0	$1.4661	4,715	First 134 CCF per month	3,216.0	$4.4134	14,193	
166	Next 2,533 CCF per month	62,192.0	$0.8213	51,078	Next 2,533 CCF per month	62,192.0	$2.4724	153,762	
167	Next 4,000 CCF per month	88,532.0	$0.6338	56,112	Next 4,000 CCF per month	88,532.0	$1.9080	168,919	
168	All over 6,667 per month	9,025.0	$0.4268	3,852	All over 6,667 per month	9,025.0	$1.2849	11,598	
169	Total Consumption Charges	162,965.0	(CCF)	115,757		162,965.0	(CCF)	348,470	201.04%
170									
171	Reconciling Items	0.0	(CCF)	0		0.0	(CCF)	0	0.00%
172									
173	Total Resale	122,224.0	(M Gals)	$118,327		122,224.0	(M Gals)	$351,534	197.09%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Mexico District
Private Fire Service Revenues

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	$150.14	$150	$70	87.50%
3 inch diameter	0	136.68	0	0	$257.93	0	0	0.00%
4 inch diameter	13	216.84	2,819	13	$409.20	5,320	2,501	88.72%
6 inch diameter	22	444.72	9,784	22	$839.23	18,463	8,679	88.71%
8 inch diameter	11	765.24	8,418	11	$1,444.08	15,885	7,467	88.70%
10 inch diameter	13	1,176.24	15,291	13	$2,219.67	28,856	13,565	88.71%
12 inch diameter	1	1,677.12	1,677	1	$3,164.87	3,165	1,488	88.73%
	61		38,069	61		71,839	33,770	88.71%
Fire Hydrants	3	555.00	1,665	3	1,047.33	3,142	1,477	88.71%
	64		$39,734	64		$74,981	$35,247	88.71%

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 - 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	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 - 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%

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	$9.86	$2.45	33.1435%	
2.00	$8.87	$12.64	$3.77	42.4788%	
3.00	$10.34	$15.42	$5.08	49.1664%	
4.00	$11.80	$18.20	$6.40	54.1928%	
5.00	$13.27	$20.98	$7.71	58.1085%	
6.00	$14.74	$23.76	$9.03	61.2452%	AVG. USAGE
7.00	$16.20	$26.54	$10.34	63.8142%	
8.00	$17.67	$29.32	$11.65	65.9568%	
9.00	$19.13	$32.10	$12.97	67.7712%	
10.00	$20.60	$34.88	$14.28	69.3272%	
11.00	$22.07	$37.66	$15.60	70.6766%	
12.00	$23.53	$40.44	$16.91	71.8578%	
13.00	$25.00	$43.22	$18.22	72.9004%	
14.00	$26.47	$46.00	$19.54	73.8275%	

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:		$2.7803 per Ccf

Mexico
Schedule WRH 3

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
Mexico District

Cost per Ccf Old Rates	Cost per Ccf Proposed Rates	
$2.32562	$3.76976	Residential
$1.67318	$2.59036	Commercial
$0.79284	$1.86866	Industrial
$1.44947	$2.41121	Other Public Authority
$0.72609	$2.15711	Sales for Resale

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	$1,038,619	$692,520	$129,193	$5,549	$29,108	$96,354	$13,229	$72,667	$1,038,619
Depreciation & Amortization	$280,204	$168,172	$33,050	$1,350	$7,785	$25,887	$5,640	$38,320	$280,204
Taxes	$267,806	$156,733	$32,460	$1,296	$7,747	$27,102	$5,571	$36,896	$267,806
Return on Investment	$684,910	$399,816	$82,066	$3,283	$19,585	$67,832	$14,689	$97,639	$684,910
Uncollectables	$4,937	$4,937							$4,937
Income Taxes	$300,314	$175,308	$35,984	$1,439	$8,588	$29,743	$6,441	$42,812	$300,314
True Up Estimate	$0	$0	$0	$0	$0	$0	$0	$0	$0 $2,576,790
TOTAL Cost of Service	$2,576,790	$1,597,486	$312,753	$12,917	$72,812	$246,919	$45,569	$288,335	$2,576,791
		78.25%	15.32%	0.63%	3.57%	12.09%	2.23%		112.09%
Public Fire Redistributed	$288,335	$225,619	$44,171	$1,824	$10,284		$6,436		$288,335
Cost Of Service By Class	**$2,576,790**	**$1,823,106**	**$356,925**	**$14,742**	**$83,096**	**$246,919**	**$52,005**	**$0**	**$2,576,791**

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	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)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
4									
5	Residential	422,132.1	4125	$1,099,152	72.47%	$1,787,585	69.36%	$688,433	62.63%
6									
7	Commercial	107,019.3	316	208,044	13.72%	356,924	13.85%	148,880	71.56%
8									
9	Industrial	5,338.0	11.96	11,543	0.76%	14,742	0.57%	3,199	27.71%
10									
11	Other Public Authority	24,444.0	43.75	43,535	2.87%	83,095	3.22%	39,560	90.87%
12									
13	Sales for Resale	86,065.0	4	90,123	5.94%	246,918	9.58%	156,795	173.98%
14									
15	Private Fire	0.0		33,361	2.20%	52,004	2.02%	18,643	55.88%
16									
17	Miscellaneous	2,572.0		6,430	0.42%	10,931	0.42%	4,501	70.00%
18									
19	Total Water Sales	647,570.4		1,492,188	98.38%	2,552,199	99.02%	1,060,011	71.04%
20									
21									
22	Reconnect Charges			23,140	1.53%	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%
26									
27									
28	Total Pro Forma Operating Revenues			$1,516,777	100.01%	$2,576,788	99.98%	$1,060,011	69.89%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Parkville District
Residential Revenues

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 - Parkville							
5/8 inch	48,216.0	\$5.94	\$288,403	48,216.0	\$7.08	\$341,392	
3/4 inch	0.0	7.60	0	0.0	\$9.06	0	
1 inch	756.0	10.77	8,142	756.0	\$12.84	9,705	
1-1/2 inch	420.0	18.73	7,867	420.0	\$22.33	9,377	
2 inch	84.0	28.28	2,376	84.0	\$33.71	2,832	
3 inch	12.0	50.54	606	12.0	\$60.24	723	
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	49,500.0		306,382	49,500.0		365,207	19.20%
Residential - Consumption Charges							
Monthly M Gals - Parkville							
First 100 M Gals per month	385,536.7	\$1.9548	753,647	385,536.7	\$3.4406	1,326,472	
Next 1,900 M Gals per month	32,784.1	\$1.0951	35,902	32,784.1	\$2.7525	90,237	
Mext 3.000 M Gals per month	3,811.3	\$0.8451	3,221	3,811.3	\$1.4874	5,669	
All over 5,000 M Gals per month		\$0.5691		0.0	\$1.0017	0	
Total Consumption Charges	422,132.1		792,770	422,132.1		1,422,378	79.42%
Reconciling Items	0		0	0.0		0	0.00%
Total Residential	422,132.1 (M Gals)		\$1,099,152	422,132.1 (M Gals)		\$1,787,585	62.63%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Parkville District
Commercial Revenues

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 - Parkville**							
65	5/8 inch	2,760.0	$5.94	$16,394	2,760.0	$7.08	$19,542	
66	3/4 inch	0.0	7.60	0	0.0	9.06	0	
67	1 inch	456.0	10.77	4,911	456.0	12.84	5,854	
68	1-1/2 inch	156.0	18.73	2,922	156.0	22.33	3,483	
69	2 inch	336.0	28.28	9,502	336.0	33.71	11,326	
70	3 inch	72.0	50.54	3,639	72.0	60.24	4,338	
71	4 inch	0.0	82.34	0	0.0	98.15	0	
72	6 inch	12.0	161.85	1,942	12.0	192.93	2,315	
73	8 inch	0.0	257.26	0	0.0	306.65	0	
74	Total Customer Meter Billings	3,792.0		39,310	3,792.0		46,858	19.20%
75								
76	**Commercial - Consumption Charges**							
77	**Monthly M Gals - Parkville**							
78	First 100 M Gals per month	60,391.8	$1.9548	118,054	60,391.8	$3.1922	192,782	
79	Next 1,900 M Gals per month	45,101.9	$1.0951	49,391	45,101.9	$2.5538	115,179	
80	Mext 3.000 M Gals per month	1,525.6	$0.8451	1,289	1,525.6	$1.3800	2,105	
81	All over 5,000 M Gals per month		$0.5691		0.0	$0.9293	0	
82	Total Consumption Charges	107,019.3		168,734	107,019.3		310,066	83.76%
83								
84	Reconciling Items	0		0	0.0		0	0.00%
85								
86	Total Commercial	107,019.3 (M Gals)		$208,044	107,019.3 (M Gals)		$356,924	71.56%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Parkville District
Industrial Revenues

Line	Class/ Description (A)	Present Meters (B)	Present Rates (C)	Present Revenue (D)	Proposed Meters (E)	Proposed Rates (F)	Proposed Revenue (G)	
92	**Industrial - Customer Charges:**							
93	**Monthly - Parkville**							
94	5/8 inch	83.5	$5.94	$496	83.5	$7.08	$591	
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	24.0	18.73	450	24.0	22.33	536	
98	2 inch	36.0	28.28	1,018	36.0	33.71	1,214	
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	143.5		1,964	143.5		2,341	19.20%
104								
105	**Industrial - Consumption Charges**							
106	**Monthly M Gals - Parkville**							
107	First 100 M Gals per month	4,342.0	$1.9548	8,488	4,342.0	$2.4132	10,478	
108	Next 1,900 M Gals per month	996.0	$1.0951	1,091	996.0	$1.9305	1,923	
109	Mext 3,000 M Gals per month	0.0	$0.8451	0	0.0	$1.0433	0	
110	All over 5,000 M Gals per month		$0.5691		0.0	$0.7026	0	
111	Total Consumption Charges	5,338.0		9,579	5,338.0		12,401	29.46%
112								
113	Reconciling Items							
114								
115	Total Industrial	5,338.0 (M Gals)		$11,543	5,338.0 (M Gals)		$14,742	27.71%

Parkville
Schedule WRH 2-4

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Parkville District
OPA Revenues

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 - Parkville							
5/8 inch	274.0	$5.94	$1,626	274.0	$7.08	$1,940	
3/4 inch	0.0	7.60	0	0.0	9.06	0	
1 inch	24.0	10.77	258	24.0	12.84	308	
1-1/2 inch	72.0	18.73	1,349	72.0	22.33	1,607	
2 inch	143.0	28.28	4,044	143.0	33.71	4,820	
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	0.0	257.26	0	0.0	306.65	0	
Total Customer Meter Billings	525.0		9,221	525.0		10,990	19.18%
OPA - Consumption Charges							
Monthly M Gals - Parkville							
First 100 M Gals per month	8,777.0	$1.9548	17,157	8,777.0	$3.3836	29,697	
Next 1,900 M Gals per month	15,667.0	$1.0951	17,157	15,667.0	$2.7068	42,408	
Mext 3.000 M Gals per month	0.0	$0.8451	0	0.0	$1.4628	0	
All over 5,000 M Gals per month		$0.5691		0.0	$0.9851	0	
Total Consumption Charges	24,444.0		34,314	24,444.0		72,105	110.13%
Reconciling Items						0	#DIV/0!
Total OPA	24,444.0 (M Gals)		$43,535	24,444.0 (M Gals)		$83,095	90.87%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Parkville District
Resale Revenues

Line	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 - Parkville**							
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	0.0	28.28	0	0.0	33.71	0	
157	3 inch	36.0	50.54	1,819	36.0	60.24	2,169	
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	257.26	0	0.0	306.65	0	
161	Total Customer Meter Billings	48.0		2,807	48.0		3,347	19.24%
162								
163	**Resale - Consumption Charges**							
164	**Monthly M Gals - Parkville**							
165	First 100 M Gals per month	2,378.0	$1.9548	4,649	2,378.0	$4.3285	10,293	
166	Next 1,900 M Gals per month	48,392.0	$1.0951	52,994	48,392.0	$3.4628	167,573	
167	Mext 3.000 M Gals per month	34,734.0	$0.8451	29,354	34,734.0	$1.8713	64,998	
168	All over 5,000 M Gals per month	561	$0.5691	319	561.0	$1.2602	707	
169	Total Consumption Charges	86,065.0		87,316	86,065.0		243,571	178.95%
170								
171	Reconciling Items	0.0		0	0.0		0	--
172								
173	Total Resale	86,065.0 (M Gals)		$90,123	86,065.0 (M Gals)		$246,918	173.98%

Parkville
Schedule WRH 2-6

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
Parkville District
Private Fire Service Revenues

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	$124.02	$124	$44	55.00%
3 inch diameter	0	136.88	0	0	$213.06	0	0	0.00%
4 inch diameter	3	216.84	651	3	$338.02	1,014	363	55.76%
6 inch diameter	20	444.72	8,894	20	$693.25	13,865	4,971	55.89%
8 inch diameter	9	765.24	6,887	9	$1,192.89	10,736	3,849	55.89%
10 inch diameter	3	1,176.24	3,529	3	$1,833.57	5,501	1,972	55.88%
12 inch diameter	0	1,677.12	0	0	$2,614.36	0	0	0.00%
	36		20,041	36		31,240	11,199	55.88%
Fire Hydrants	24	555.00	13,320	24	$865.16	20,764	7,444	55.89%
	60		$33,361	60		$52,004	$18,643	55.88%

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	$4.25	$10,931	$4,501	70.00%
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			$10,931	$4,501	70.00%

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	$10.52	$2.63	33.2658%	
2.00	$9.85	$13.96	$4.11	41.7484%	
3.00	$11.80	$17.40	$5.60	47.4216%	
4.00	$13.76	$20.84	$7.08	51.4828%	
5.00	$15.71	$24.28	$8.57	54.5336%	
6.00	$17.67	$27.72	$10.06	56.9093%	
7.00	$19.62	$31.16	$11.54	58.8118%	
8.00	$21.58	$34.61	$13.03	60.3695%	
9.00	$23.53	$38.05	$14.51	61.6684%	AVG. USAGE
10.00	$25.49	$41.49	$16.00	62.7681%	
11.00	$27.44	$44.93	$17.48	63.7112%	
12.00	$29.40	$48.37	$18.97	64.5288%	
13.00	$31.35	$51.81	$20.46	65.2444%	
14.00	$33.31	$55.25	$21.94	65.8761%	

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:	$3.4406	Per M Gal

Parkville
Schedule WRH 3

MISSOURI AMERICAN WATER COMPANY
WR-2000-281
Parkville

Cost per Mgal Old Rates	Cost per Mgal Proposed Rates		Cost per Ccf Old Rates	Cost per Ccf Proposed Rates
$2.60381	$4.23466	Residential	1.94244	3.15905
$1.94399	$3.33514	Commercial	1.45021	2.48801
$2.16242	$2.76171	Industrial	1.61317	2.06023
$1.78101	$3.39940	Other Public Authority	1.32863	2.53595
$1.04715	$2.86897	Sales for Resale	0.78117	2.14025

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	$3,459,676	$2,847,816	$343,580	$2,170	$62,173	$0	$15,876	$188,063	$3,459,676
Depreciation & Amortization	$838,844	$585,655	$66,276	$340	$13,910	$0	$8,945	$163,718	$838,844
Taxes	$886,454	$621,996	$75,693	$388	$15,379	$0	$8,965	$164,033	$886,454
Return on Investment	$2,126,444	$1,463,623	$174,468	$884	$35,957	$0	$23,374	$428,138	$2,126,444
Uncollectables	$1,030	$1,030							$1,030
Income Taxes	$1,098,118	$755,830	$90,097	$457	$18,569	$0	$12,070	$221,095	$1,098,118
True Up Estimate	$0	$0	$0	$0	$0	$0	$0	$0	$0
									$8,410,566
TOTAL Cost of Service	$8,410,566	$6,275,951	$750,114	$4,238	$145,987	$0	$69,230	$1,165,046	$8,410,567
		86.62%	10.35%	0.06%	2.01%	0.00%	0.96%		100.00%
Public Fire Redistributed	$1,165,046	$1,009,144	$120,615	$682	$23,474		$11,132		$1,165,046
Cost Of Service By Class	**$8,410,566**	**$7,285,095**	**$870,729**	**$4,920**	**$169,461**	**$0**	**$80,362**	**$0**	**$8,410,567**
Revenue Generation - Proposed Rates		**$7,152,558**	**870,729**	**4,920**	**169,461**	**0**	**80,361**	**$8,278,029**	

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 (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)
Residential	2,558,132.8	25548	$6,818,528	85.61%	$7,152,558	85.03%	$334,030	4.90%
Commercial	398,910.1	824	818,549	10.25%	870,729	10.35%	54,180	6.64%
Industrial	2,745.0	1.96	4,929	0.06%	4,920	0.06%	(9)	-0.18%
Other Public Authority	73,326.0	54.08	136,672	1.72%	169,461	2.01%	32,789	23.99%
Sales for Resale	0.0	0	0	0.00%	0	0.00%	0	
Private Fire	0.0		55,006	0.69%	80,361	0.96%	25,355	46.09%
Miscellaneous	0.0		0	0.00%	0	0.00%	0	
Total Water Sales	3,033,113.9		7,831,684	98.33%	8,276,029	98.41%	446,345	5.70%
Reconnect Charges			101,840	1.28%	101,840	1.21%	0	0.00%
Other Service Charge Revenues			7,896	0.10%	7,896	0.09%	0	0.00%
Rents from Water Property			1,300	0.02%	1,300	0.02%	0	0.00%
Miscellaneous Revenues			21,500	0.27%	21,500	0.26%	0	0.00%
Total Pro Forma Operating Revenues			$7,964,220	100.00%	$8,410,565	99.99%	$446,345	5.60%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
St. Charles District
Residential Revenues

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	300,564.0	$5.94	$1,785,350	300,564.0	$7.08	$2,128,137	
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	161.85	0	0.0	$192.93	0	
8 inch	0.0	257.26	0	0.0	$306.65	0	
Total Customer Meter Billings	306,576.0		1,851,570	306,576.0		2,207,071	19.20%
Residential - Consumption Charges							
Monthly M Gals - St. Charles							
First 100 M Gals per month	2,527,692.9	$1.9548	4,941,134	2,527,692.9	$1.9440	4,913,901	
Next 1,900 M Gals per month	12,665.0	$1.0951	13,869	12,665.0	$1.5552	19,697	
Mext 3.000 M Gals per month	6,665.7	$0.8451	5,633	6,665.7	$0.8404	5,602	
All over 5,000 M Gals per month	11109.2	$0.5691	6,322	11,109.2	$0.5660	6,287	
Total Consumption Charges	2,558,132.8		4,966,958	2,558,132.8		4,945,487	-0.43%
Reconciling Items	0		0	0.0		0	0.00%
Total Residential	2,558,132.8 (M Gals)		$6,818,528	2,558,132.8 (M Gals)		$7,152,558	4.90%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
St. Charles District
Commercial Revenues

Class/ Description	Present			Proposed			
	Meters	Rates	Revenue	Meters	Rates	Revenue	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
Commercial - Customer Charges:							
Monthly - St. Charles							
5/8 inch	4,308.0	$5.94	$25,590	4,308.0	$7.08	$30,503	
3/4 inch	12.0	7.60	91	12.0	9.06	109	
1 inch	2,052.0	10.77	22,100	2,052.0	12.84	26,343	
1-1/2 inch	2,016.0	18.73	37,760	2,016.0	22.33	45,010	
2 inch	1,296.0	28.28	36,651	1,296.0	33.71	43,688	
3 inch	72.0	50.54	3,639	72.0	60.24	4,338	
4 inch	72.0	82.34	5,928	72.0	98.15	7,067	
6 inch	60.0	161.85	9,711	60.0	192.93	11,576	
8 inch	0.0	257.26	0	0.0	306.65	0	
Total Customer Meter Billings	9,888.0		141,470	9,888.0		168,634	19.20%
Commercial - Consumption Charges							
Monthly M Gals - St. Charles							
First 100 M Gals per month	279,022.9	$1.9548	545,434	279,022.9	$1.8834	525,499	
Next 1,900 M Gals per month	114,457.4	$1.0951	125,342	114,457.4	$1.5067	172,451	
Mext 3.000 M Gals per month	4,393.7	$0.8451	3,713	4,393.7	$0.8142	3,577	
All over 5,000 M Gals per month	1036.1	$0.5691	590	1,036.1	$0.5483	568	
Total Consumption Charges	398,910.1		675,079	398,910.1		702,095	4.00%
Reconciling Items	0		0	0.0		0	0.00%
Total Commercial	398,910.1 (M Gals)		$816,549	398,910.1 (M Gals)		$870,729	6.64%

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
St. Charles District
Industrial Revenues

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 - St. Charles							
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	23.5	28.28	665	23.5	33.71	792	
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	23.5		665	23.5		792	19.10%
Industrial - Consumption Charges							
Monthly M Gals - St. Charles							
First 100 M Gals per month	1,463.0	$1.9548	2,860	1,463.0	$1.6587	2,427	
Next 1,900 M Gals per month	1,282.0	$1.0951	1,404	1,282.0	$1.3270	1,701	
Mext 3.000 M Gals per month	0.0	$0.8451	0	0.0	$0.7171	0	
All over 5,000 M Gals per month		$0.5691		0.0	$0.4829	0	
Total Consumption Charges	2,745.0		4,264	2,745.0		4,128	-3.19%
Reconciling Items							
Total Industrial	2,745.0 (M Gals)		$4,929	2,745.0 (M Gals)		$4,920	-0.18%

St. Charles
Schedule WRH 2-4

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
St. Charles District
OPA Revenues

		Present			Proposed			
118	Class/							
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	257.26	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	$2.0815	56,810	
137	Next 1,900 M Gals per month	39,127.0	$1.0951	42,848	39,127.0	$1.6652	65,153	
138	Mext 3.000 M Gals per month	6,906.0	$0.8451	5,836	6,906.0	$0.8999	6,214	
139	All over 5,000 M Gals per month		$0.5691		0.0	$0.6060	0	
140	Total Consumption Charges	73,326.0		102,036	73,326.0		128,177	25.62%
141								
142	Reconciling Items						0	#DIV/0!
143								
144	Total OPA	73,326.0 (M Gals)		$136,672	73,326.0 (M Gals)		$169,461	23.99%

St. Charles
Schedule WRH 2-5

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
St. Charles District
Resale Revenues

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	$7.08	$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	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	
Next 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!

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
St. Charles District
Private Fire Service Revenues

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	$116.23	$116	$36	45.00%
3 inch diameter	0	136.66	0	0	$199.68	0	0	0.00%
4 inch diameter	14	216.84	3,036	14	$316.79	4,435	1,399	46.08%
6 inch diameter	42	444.72	18,678	42	$649.72	27,288	8,610	46.10%
8 inch diameter	30	765.24	22,957	30	$1,117.99	33,540	10,583	46.10%
10 inch diameter	4	1,176.24	4,705	4	$1,718.44	6,874	2,169	46.10%
12 inch diameter	0	1,677.12	0	0	$2,450.21	0	0	0.00%
	91		49,456	91		72,253	22,797	46.10%
Fire Hydrants	10	555.00	5,550	10	$810.83	8,108	2,558	46.09%
	101		$55,006	101		$80,361	$25,355	46.09%

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%

St. Charles
Schedule WRH 2-7

MISSOURI AMERICAN WATER COMPANY
Case No. WR-2000-281
St. Charles District
Miscellaneous Revenues

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			$21,500			$21,500	$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	$9.02	$1.13	14.3095%	
2.00	$9.85	$10.97	$1.12	11.3602%	
3.00	$11.80	$12.91	$1.11	9.3877%	
4.00	$13.76	$14.86	$1.10	7.9756%	
5.00	$15.71	$16.80	$1.09	6.9149%	
6.00	$17.67	$18.74	$1.08	6.0889%	
7.00	$19.62	$20.69	$1.07	5.4275%	
8.00	$21.58	$22.63	$1.05	4.8859%	AVG.
9.00	$23.53	$24.58	$1.04	4.4342%	USAGE
10.00	$25.49	$26.52	$1.03	4.0519%	
11.00	$27.44	$28.46	$1.02	3.7240%	
12.00	$29.40	$30.41	$1.01	3.4397%	
13.00	$31.35	$32.35	$1.00	3.1909%	
14.00	$33.31	$34.30	$0.99	2.9713%	

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:	$1.9440	Per M Gal

St. Charles
Schedule WRH 3

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

Cost per Mgal Old Rates	Cost per Mgal Proposed Rates		Cost per Ccf Old Rates	Cost per Ccf Proposed Rates
$2.66543	$2.79601	Residential	1.98841	2.08582
$2.04695	$2.18277	Commercial	1.52702	1.62835
$1.79563	$1.79235	Industrial	1.33954	1.33709
$1.86390	$2.31106	Other Public Authority	1.39047	1.72405