

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF MISSOURI

FILED

AUG 16 2000

In the Matter of Missouri-American )  
Water Company's Tariff Sheets Designed )  
to Implement General Rate Increases for )  
Water and Sewer Service Provided to )  
Customers in the Missouri Service Area )  
of the Company. )

Missouri Public  
Service Commission

Case No. WR-2000-281

**EXHIBIT SUMMARIZING THE REVENUE  
REQUIREMENT AND RATE DESIGN IMPACTS**

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**MISSOURI-AMERICAN WATER COMPANY**  
**MPSC Case No. WR-2000-281**  
**Calculation of District-Specific Revenue Requirements**  
**Reflective of Industrial/ Municipal Intervenor's Positions**  
(Dollars in Thousands)

<u>Line</u>	<u>Item</u>	<u>St. Joseph (1)</u>	<u>Brunswick (2)</u>	<u>Joplin (3)</u>	<u>Mexico (4)</u>	<u>Park- ville (5)</u>	<u>St. Charles (6)</u>	<u>Warrens- burg (7)</u>	<u>Total (8)</u>
<b>Revenues</b>									
1	Total Revenues	\$9,990	\$112	\$7,491	\$1,558	\$1,514	\$7,941	\$1,867	\$30,473
2	Less: Other	<u>\$189</u>	<u>\$2</u>	<u>\$178</u>	<u>\$31</u>	<u>\$31</u>	<u>\$133</u>	<u>\$56</u>	<u>\$620</u>
3	Rev. From Rates	\$9,801	\$110	\$7,313	\$1,527	\$1,483	\$7,808	\$1,811	\$29,853
4	Staff Increase	\$7,917	\$296	-\$804	\$1,292	\$1,073	\$212	\$463	\$10,449
5	Staff Rev. Req.	\$17,718	\$406	\$6,509	\$2,819	\$2,556	\$8,020	\$2,274	\$40,302
<b>Adjustments:</b>									
6	Capacity	\$318	\$0	\$0	\$0	\$0	\$0	\$0	\$318
7	AFUDC	\$181	\$0	\$0	\$0	\$0	\$0	\$0	\$181
8	Early Retirement	-\$310	\$0	\$0	\$0	\$0	\$0	\$0	-\$310
9	ROE	<u>-\$65</u>	<u>-\$1</u>	<u>-\$29</u>	<u>-\$16</u>	<u>-\$12</u>	<u>-\$36</u>	<u>-\$13</u>	<u>-\$172</u>
10	Adjusted Subtotal	\$124	-\$1	-\$29	-\$16	-\$12	-\$36	-\$13	\$17
11	Adj. Rev. Req.	<b>\$17,842</b>	<b>\$405</b>	<b>\$6,480</b>	<b>\$2,803</b>	<b>\$2,544</b>	<b>\$7,984</b>	<b>\$2,261</b>	<b>\$40,319</b>
<b>Increase:</b>									
12	Dollars	<b>\$8,041</b>	<b>\$295</b>	<b>-\$833</b>	<b>\$1,276</b>	<b>\$1,061</b>	<b>\$176</b>	<b>\$450</b>	<b>\$10,466</b>
13	Percent	<b>82.04%</b>	<b>268.18%</b>	<b>-11.39%</b>	<b>83.56%</b>	<b>71.54%</b>	<b>2.25%</b>	<b>24.85%</b>	<b>35.06%</b>
<b>SJTP Constr. Stages:</b>									
14	<b>Stage 1</b>	<b>-\$4,855</b>	Notes: 1. Lines 4 and 5 reflect Staff's positions as of true-up.  2. Adjustments made to remove Staff's position on excess capacity and calculation of AFUDC (Lines 6 and 7).  3. Adjustments made to reflect OPC's position on early retirement of St. Joseph plant and OPC's recommended return on equity (Lines 9 and 10).  4. Lines 14 through 25 reflect three-stage implementation recommended by St. Jos. Industrial Intervenor's and OPC's return.						
15	Total Rev. Req.	\$12,987							
16	Incr: Dollars	<b>\$3,186</b>							
17	Percent	<b>32.51%</b>							
18	<b>Stage 2</b>	<b>-\$3,047</b>							
19	Total Rev. Req.	\$14,795							
20	Incr: Dollars	<b>\$1,808</b>							
21	Percent	<b>13.92%</b>							
22	<b>Stage 3</b>	<b>-\$2,290</b>							
23	Total Rev. Req.	\$15,552							
24	Incr: Dollars	<b>\$757</b>							
25	Percent	<b>5.12%</b>							

**Schedule 1**

**MISSOURI-AMERICAN WATER COMPANY****MPSC Case No. WR-2000-281****Bill Impact Calculations****Pursuant to Commission Order****St. Joseph**

<u>Class</u>	<u>Monthly Bill at Present Rates</u>	<u>Stage 1</u>		<u>Stage 2</u>		<u>Stage 3</u>	
		<u>Monthly Bill at Stage 1 Rates</u>	<u>Percent Increase</u>	<u>Monthly Bill at Stage 2 Rates</u>	<u>Percent Increase</u>	<u>Monthly Bill at Stage 3 Rates</u>	<u>Percent Increase</u>
Residential	\$16.69	\$22.12	32.51%	\$25.19	13.92%	\$26.48	5.12%
Commercial	55.40	73.41	32.51%	83.63	13.92%	87.91	5.12%
Industrial	1,009.93	1,338.26	32.51%	1,524.54	13.92%	1,602.60	5.12%
OPA	196.93	260.95	32.51%	297.28	13.92%	312.50	5.12%
Resale	2,964.18	3,927.83	32.51%	4,474.59	13.92%	4,703.69	5.12%

**Joplin**

<u>Class</u>	<u>Monthly Bill at Present Rates</u>	<u>Monthly Bill at Recommended Rates</u>	<u>Percent Increase</u>
Residential	\$17.67	\$15.66	-11.39%
Commercial	56.57	50.13	-11.39%
Industrial	923.75	818.53	-11.39%
OPA	184.08	163.11	-11.39%
Resale	1,863.45	1,651.20	-11.39%

**Warrensburg**

<u>Class</u>	<u>Monthly Bill at Present Rates</u>	<u>Monthly Bill at Recommended Rates</u>	<u>Percent Increase</u>
Residential	\$16.89	\$21.09	24.85%
Commercial	56.37	70.38	24.85%
Industrial	539.59	673.68	24.85%
OPA	180.28	225.08	24.85%
Resale	2,736.37	3,416.36	24.85%

**St. Charles**

<u>Class</u>	<u>Monthly Bill at Present Rates</u>	<u>Monthly Bill at Recommended Rates</u>	<u>Percent Increase</u>
Residential	\$22.16	\$22.66	2.25%
Commercial	84.72	86.63	2.25%
Industrial	233.40	238.65	2.25%
OPA	240.84	246.26	2.25%
Resale			

**MISSOURI-AMERICAN WATER COMPANY**  
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**Parkville \***

Class	Monthly Bill at Present Rates	Year 1		Year 2		Year 3	
		Monthly Bill at Year 1 Rates	Percent Increase	Monthly Bill at Year 2 Rates	Percent Increase	Monthly Bill at Year 3 Rates	Percent Increase
Residential	\$22.58	\$29.92	32.50%	\$39.64	32.50%	\$43.01	8.50%
Commercial	61.07	80.92	32.50%	107.22	32.50%	116.33	8.50%
Industrial	74.36	98.53	32.50%	130.55	32.50%	141.64	8.50%
OPA	92.73	122.87	32.50%	162.80	32.50%	176.64	8.50%
Resale	1,963.14	2,601.16	32.50%	3,446.54	32.50%	3,739.49	8.50%

Class	Year 4		Year 5		Year 6	
	Monthly Bill at Year 4 Rates	Percent Increase	Monthly Bill at Year 5 Rates	Percent Increase	Monthly Bill at Year 6 Rates	Percent Increase
Residential	\$43.01	0.00%	\$43.01	0.00%	\$38.73	-9.95%
Commercial	116.33	0.00%	116.33	0.00%	104.75	-9.95%
Industrial	141.64	0.00%	141.64	0.00%	127.55	-9.95%
OPA	176.64	0.00%	176.64	0.00%	159.06	-9.95%
Resale	3,739.49	0.00%	3,739.49	0.00%	3,367.41	-9.95%

**Mexico \***

Class	Monthly Bill at Present Rates	Year 1		Year 2		Year 3	
		Monthly Bill at Year 1 Rates	Percent Increase	Monthly Bill at Year 2 Rates	Percent Increase	Monthly Bill at Year 3 Rates	Percent Increase
Residential	\$15.52	\$20.56	32.50%	\$27.25	32.50%	\$36.10	32.50%
Commercial	40.54	53.72	32.50%	71.17	32.50%	94.30	32.50%
Industrial	982.55	1,301.88	32.50%	1,724.99	32.50%	2,285.61	32.50%
OPA	98.01	129.86	32.50%	172.07	32.50%	227.99	32.50%
Resale	1,926.42	2,552.51	32.50%	3,382.07	32.50%	4,481.24	32.50%

Class	Year 4		Year 5		Year 6	
	Monthly Bill at Year 4 Rates	Percent Increase	Monthly Bill at Year 5 Rates	Percent Increase	Monthly Bill at Year 6 Rates	Percent Increase
Residential	\$36.10	0.00%	\$36.10	0.00%	\$31.82	-11.86%
Commercial	94.30	0.00%	94.30	0.00%	83.12	-11.86%
Industrial	2,285.61	0.00%	2,285.61	0.00%	2,014.54	-11.86%
OPA	227.99	0.00%	227.99	0.00%	200.95	-11.86%
Resale	4,481.24	0.00%	4,481.24	0.00%	3,949.77	-11.86%

# MISSOURI-AMERICAN WATER COMPANY

MPSC Case No. WR-2000-281

Bill Impact Calculations

Pursuant to Commission Order

## Brunswick \*\*

<u>Class</u>	<u>Monthly Bill at Present Rates</u>	<u>Year 1</u>		<u>Year 2</u>		<u>Year 3</u>	
		<u>Monthly Bill at Year 1 Rates</u>	<u>Percent Increase</u>	<u>Monthly Bill at Year 2 Rates</u>	<u>Percent Increase</u>	<u>Monthly Bill at Year 3 Rates</u>	<u>Percent Increase</u>
Residential	\$13.37	\$17.72	32.50%	\$23.47	32.50%	\$31.10	32.50%
Commercial	16.65	22.06	32.50%	29.23	32.50%	38.73	32.50%
Industrial	31.69	41.99	32.50%	55.64	32.50%	73.72	32.50%
OPA	25.88	34.29	32.50%	45.44	32.50%	60.20	32.50%
Resale	507.94	673.02	32.50%	891.75	32.50%	1,181.57	32.50%

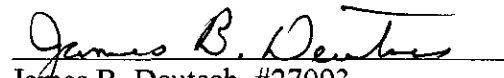
<u>Class</u>	<u>Year 4</u>		<u>Year 5</u>	
	<u>Monthly Bill at Year 4 Rates</u>	<u>Percent Increase</u>	<u>Monthly Bill at Year 5 Rates</u>	<u>Percent Increase</u>
Residential	\$41.21	32.50%	\$49.22	19.45%
Commercial	51.32	32.50%	61.30	19.45%
Industrial	97.68	32.50%	116.67	19.45%
OPA	79.77	32.50%	95.28	19.45%
Resale	1,565.58	32.50%	1,870.09	19.45%

\* Carrying charge = 8.24%

\*\* No carrying charge to reflect Company's level of costs.

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**CERTIFICATE OF SERVICE**

I hereby certify that true and correct copies of the above and foregoing document were sent U.S. Mail, postage prepaid, to the following parties of record on this 15<sup>th</sup> day of August, 2000:

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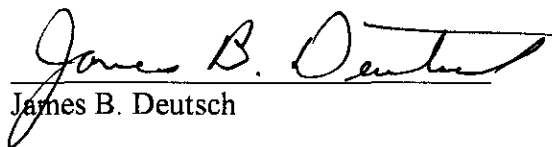
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