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**Missouri Public  
Service Commission**

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Issues: Reason for increase, Test Year, Capital  
Structure, Acquisition Adjustment, St.  
Joseph Retirement, Revenues, Certain  
Expense Adjustments, Certain Rate  
Base Items, CAM, MFR, Rate Design  
And Revenue Contribution  
Witness: Edward J. Grubb  
Exhibit Type: Direct  
Sponsoring Party: Missouri-American Water Company  
Case No.:  
Date: May 19, 2003

**MISSOURI PUBLIC SERVICE COMMISSION**

**CASE NO. WR**

**DIRECT TESTIMONY**

**OF**

**EDWARD J. GRUBB**

**ON BEHALF OF**

**MISSOURI-AMERICAN WATER COMPANY**

**JEFFERSON CITY, MISSOURI**

Exhibit No. 1  
Date                      Case No. WR-2003-0500  
Reporter                     

**EXHIBIT**

MAWC 1

**BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF MISSOURI**

<b>IN THE MATTER OF MISSOURI-AMERICAN )</b>	
<b>WATER COMPANY FOR AUTHORITY TO )</b>	
<b>FILE TARIFFS REFLECTING INCREASED )</b>	<b>CASE NO. WR-2003-</b>
<b>RATES FOR WATER AND SEWER )</b>	
<b>SERVICE )</b>	

**AFFIDAVIT OF EDWARD J. GRUBB**

Edward J. Grubb, being first duly sworn, deposes and says that he is the witness who sponsors the accompanying testimony entitled "Direct Testimony of Edward J. Grubb"; that said testimony and schedules were prepared by him and/or under his direction and supervision; that if inquires were made as to the facts in said testimony and schedules, he would respond as therein set forth; and that the aforesaid testimony and schedules are true and correct to the best of his knowledge.

  
\_\_\_\_\_  
Edward J. Grubb

**State of Missouri**  
**County of St. Louis**  
**SUBSCRIBED and sworn to**  
**Before me this 13th day of May 2003.**

  
\_\_\_\_\_  
**Notary Public**

**My commission expires:**

<b>STACI A. OLSEN</b> Notary Public - Notary Seal <b>STATE OF MISSOURI</b> St. Charles County My Commission Expires: Mar. 20, 2005
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## **DIRECT TESTIMONY**

**EDWARD J. GRUBB**

### **WITNESS INTRODUCTION**

1   **Q.   PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2   A.   My name is Edward J. Grubb, and my business address is 535 N. New Ballas  
3       Road, St. Louis, Missouri 63141.

4   **Q.   BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5   A.   I am employed by Missouri-American Water Company ("MAWC") as the  
6       Director, Rates and Revenues and as the Assistant Treasurer.

7   **Q.   PLEASE ELABORATE UPON YOUR DUTIES AS DIRECTOR, RATES AND**  
8       **REVENUES.**

9   A.   As Director, Rates and Revenues, my main responsibilities are as follows:

10       1) Plan and oversee the preparation and presentation of all rate increase  
11       applications and supporting documents and exhibits as prescribed by  
12       management policies, guidelines, and regulatory commission  
13       requirements.

14       2) Oversee rate analyses and studies to evaluate the effect of proposed  
15       rates on the revenues, rate of return, and tariff structure of the Company.

16       3) Oversee the implementation of rate orders, including development of the  
17       revised tariff pricing necessary to produce the proposed revenue level.

18       4) Oversee the preparation of company financial plans and analyses.

1        5) Oversee employee relations in the Rates and Planning Department,  
2        including the recommendation regarding personnel changes and the  
3        training and evaluation of assigned personnel.

4        6) Provide support for financial analysis of proposed acquisitions and  
5        expansion of service territory, including preparation of applicable  
6        Commission filings.

7        7) Assure that policies, procedures, programs, standards of performance,  
8        and approved objectives are adhered to and/or achieved including those  
9        involving safety, affirmative action, community relations, and labor  
10       relations.

11    **Q.    HAVE YOU PREVIOUSLY PARTICIPATED IN REGULATORY MATTERS?**

12    A.    Yes, I have prepared rate cases and presented testimony before the  
13       Maryland Public Service Commission, West Virginia Public Service  
14       Commission, Tennessee Public Service Commission, Illinois Commerce  
15       Commission, Kentucky Public Service Commission, Iowa Utilities Board, and  
16       this Commission.

17    **Q.    WOULD YOU PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND**  
18       **AND BUSINESS EXPERIENCE?**

19    A.    In June 1978, I was awarded a Bachelor of Science Degree in Business  
20       Administration from Drexel University with a major in Accounting. In May  
21       1989, I was awarded a Masters of Business Administration from the  
22       University of West Virginia College of Graduate Studies. In September 1993,  
23       I successfully completed the Certified Management Accounting program and

1 received my certificate as a Certified Management Accountant (CMA). In  
2 January 1998, I successfully completed the Certified in Financial  
3 Management (CFM) program and received my certificate as a CFM from the  
4 Institute of Management Accountants.

5 I began my career in 1978 with American Water Works Service Co., Inc. as  
6 an Internal Auditor. As an Internal Auditor, I conducted financial and  
7 procedural audits of American System operating companies.

8 In 1983, I was promoted to Rate Analyst. In 1984, I was promoted to  
9 Revenue Requirement Specialist, and in 1988, I was promoted to Assistant  
10 Director – Rates and Revenue. In these three positions, I have assisted,  
11 prepared, and presented testimony and accounting exhibits before regulatory  
12 bodies concerning rate increase applications.

13 In January 1998, I was promoted to the position of Comptroller of Kentucky-  
14 American Water Company. In my capacity as Comptroller, I was responsible  
15 for all aspects of the accounting for the Company, including the preparation of  
16 financial statements and tax returns. In October 2000, I was promoted to my  
17 current position with Missouri-American Water Company as Director, Rates  
18 and Revenues.

## **PURPOSE OF TESTIMONY**

1   **Q.   WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?**

2   A.   The purpose of my testimony is to discuss on behalf of MAWC:

- 3       1)   The reason why the Company is seeking a rate increase;
- 4       2)   The test year and the Company's request for a true-up;
- 5       3)   The Company's capital structure and immediate financing plans;
- 6       4)   Acquisition Adjustment Recovery;
- 7       5)   St. Joseph Treatment Plant Retirement;
- 8       6)   Revenues;
- 9       7)   Labor and Labor-Related Expenses;
- 10      8)   Management Fees;
- 11      9)   AAO Security Costs;
- 12      10)  Income Taxes;
- 13      11)  Rate Base Elements: Regulatory Assets and Working Capital;
- 14      12)  Cost Allocation Manual;
- 15      13)  Revenue Contribution Between Districts;
- 16      14)  Minimum Filing Requirements (MFR); and
- 17      15)  Rate Design.

18   **Q.   MR. GRUBB, ARE YOU SPONSORING ANY SCHEDULES?**

19   A.   Yes. I am sponsoring Schedules EJG-1 through EJG-4, which consist of the

20   following:

<u>Schedule</u>	<u>Description</u>
EJG-1	Pro Forma Capital Structure



1	EJG-2	Calculation of Acquisition Adjustment
2	EJG-3	Cost Allocation Manual
3	EJG-4	Revenue Contribution Between Districts

4 I am also sponsoring Appendix A, which is the Company's Minimum Filing  
5 Requirements.

6 **Q. WILL YOU BE TESTIFYING TO ANY OTHER SCHEDULES?**

7 A. Yes. Mike Roesch is sponsoring all of the Company's Accounting Schedules  
8 (CAS). These schedules consist of a Rate Increase Summary, Rate Base,  
9 Income Statement, Summary of Adjustments, and a Bill Analysis at Present  
10 and Proposed Rates. I will be testifying to specific schedules within the CAS,  
11 which will be identified later in my testimony.

12 **Q. WERE THESE SCHEDULES PREPARED BY YOU OR UNDER YOUR**  
13 **SUPERVISION?**

14 A. Yes, they were.

15 **Q. WHAT IS THE SOURCE OF THE INFORMATION FOUND ON SCHEDULES**  
16 **EJG-1 and EJG-2?**

17 A. The historical and pro forma information contained in these schedules is  
18 taken from MAWC's financial books and records at December 31, 2002, and  
19 other Company sources. The books and records are maintained in  
20 accordance with the Uniform System of Accounts for Class A water utilities  
21 prescribed by the National Association of Regulatory Utility Commissioners  
22 (NARUC), and are audited annually by an independent accounting firm which

certifies that such books and records are maintained in accordance with generally accepted accounting principals.

**(1) REASON FOR FILING RATE CASE**

**Q. PLEASE DESCRIBE THE RATE INCREASE REQUESTED BY MAWC IN THIS PROCEEDING.**

A. MAWC seeks a rate increase that would produce additional annual water revenues of approximately \$20.0 million, or an approximate 12.2%. The Company also seeks an increase in sewer rates to produce additional annual revenues of \$1,637, or a 3.3% increase.

**Q. WHY DOES THE COMPANY SEEK A RATE INCREASE?**

A. The Company's ability to provide water service is dependent on a consistent level of adequate earnings. Adequate earnings are those which justify the investment of capital in the Company. Revenues must be sufficient to cover operating expenses, such as employee payroll and benefits, taxes, depreciation, and costs associated with maintenance and operation, and, thereafter, provide for the payment of capital costs which include interest and dividends. Revenues generated by the current rates the Company is authorized to charge for water and sewer service will not adequately accomplish this task. On a pro forma present rates basis, the Company's earned return on its rate base investment is only 5.84% versus an authorized level of 8.44%. Therefore, a water rate increase of approximately \$20.0 million and a sewer rate increase of approximately \$1,637 is being requested.

1 **Q. MR. GRUBB, WHEN DID THIS COMMISSION LAST AUTHORIZE A**  
2 **CHANGE IN RATES FOR THE COMPANY?**

3 A. Prior to the merger on December 31, 2001, the current Missouri-American  
4 Water Company consisted of three separate legal entities doing business as  
5 Missouri-American Water Company. They were Missouri-American Water  
6 Company, which included the Brunswick, Joplin, Mexico, Parkville Water and  
7 Sewer (Platte County), St. Charles, St. Joseph, and Warrensburg Districts; St.  
8 Louis County Water Company; and Jefferson City Water Works Company.

9 All three entities were formally merged on December 31, 2001. The merger  
10 was approved by the Commission in Case No. WM-2001-309.

11 Missouri-American Water Company's last rate increase was effective  
12 September 20, 2000. St. Louis County's last rate increase was effective May  
13 18, 2001. Jefferson City's last rate increase was effective December 1, 2000.

14 **Q. WHAT ARE THE REASONS FOR THE COMPANY FILING A REQUEST**  
15 **FOR AN INCREASE IN RATES?**

16 A. The water rate increase is primarily due to the following factors:

17 1) The Company has made significant capital expenditures related to its  
18 security initiatives as a result of the events of September 11, 2001. The  
19 Company has been granted an Accounting Authority Order to defer certain  
20 security-related expenses. The Company is requesting recovery in rates  
21 of these costs at this time.

1           2) The Company has experienced increases in its pension and health  
2           insurance costs since the last rate cases were finalized.

3           3) Utility Plant in Service (excluding municipal acquisitions discussed later)  
4           has increased \$152,828,172.

5           4) Depreciation and property taxes as a result of the increase in Utility Plant  
6           is also contributing to the need for the rate increase.

7           5) Inflationary pressures on operating expenses since the last case is also a  
8           factor.

9           The cost pressures noted above are being mitigated by an overall growth in  
10          the Company's revenues since the last rate cases were finalized. This  
11          increase in overall growth is important because it has mitigated the level of  
12          the increase request in this case. The districts with the larger increases have  
13          experienced reduced sales and / or loss in sales since the last rate case.  
14          This highlights the need for initiatives and cooperation in an effort to increase  
15          sales (grow the business) so that levels of rate increases can either be  
16          reduced or at the very least delayed.

17                                   **(2) TEST YEAR AND TRUE-UP REQUEST**

18   **Q.   MR. GRUBB, WHAT TEST YEAR HAS MAWC USED IN THIS RATE**  
19   **CASE?**

20   **A.   MAWC has used a historical test year ending December 31, 2002, adjusted**  
21   **for changes that are known and measurable at this time and will be effective**  
22   **by the time rates are anticipated to go into effect.**

1 **Q. IS THE COMPANY PROPOSING A TRUE-UP IN THIS CASE?**

2 A. Yes. If rates are to be set properly reflecting the cost of providing service, a  
3 true-up of rate base and related operating costs at a point in time as close as  
4 possible to the operation of law date should be permitted. Otherwise, the new  
5 rates will not be sufficient to cover all of MAWC's expenses and investments  
6 which have been incurred or made to provide safe and adequate service. In  
7 this case, the Company is proposing a true-up at November 30, 2003.

8 **(3) PRO FORMA CAPITAL STRUCTURE**

9 **Q. WOULD YOU PLEASE DISCUSS THE COMPANY'S CAPITAL**  
10 **STRUCTURE?**

11 A. MAWC's capital structure is set forth on Schedule EJG-1 and has been  
12 calculated as of the proposed true-up date (November 30, 2003).

13 It is comprised of 56.38% of long-term debt, .52% preferred stock, and  
14 43.10% of common equity.

15 **Q. HOW DID YOU ARRIVE AT THIS STRUCTURE?**

16 A. The beginning point was the actual capital structure that existed at December  
17 31, 2002. The capital structure was then adjusted to reflect changes  
18 expected to occur by the end of the true-up period. They include sinking fund  
19 payments and retention of earnings.

1 **Q. WHAT COST RATE SHOULD BE ASSIGNED TO THE VARIOUS**  
2 **COMPONENTS OF YOUR CAPITAL STRUCTURE FOR RATE MAKING**  
3 **PURPOSES?**

4 A. As shown on Schedule EJG-1, the embedded cost rates developed are:  
5 6.22% on the Company's long-term debt and 9.12% on MAWC's preferred  
6 stock. These cost rates are based on a composite of all LTD issues and  
7 Preferred Stock issues outstanding along with their cost rates and the  
8 unamortized issuance expenses as of the end of the true-up period. The cost  
9 rate assigned to the common equity component is 11%.

10 **Q. WHAT IS THE BASIS OF THE 11% RATE ASSIGNED TO MAWC'S**  
11 **COMMON EQUITY COMPONENT?**

12 A. The common equity cost component has been developed based upon a  
13 recommendation by Ms. Pauline Ahern of AUS Consultants – Utility Services,  
14 MAWC's consultant in this area, who has concluded that MAWC should be  
15 afforded an opportunity to earn a return on common equity between 11.75%  
16 and 12.0%. In an effort to lessen the impact of this increase, MAWC has  
17 elected to file its case using a return on equity of 11%.

#### 18 **(4) ACQUISITION ADJUSTMENT RECOVERY**

19 **Q. WHAT IS AN ACQUISITION ADJUSTMENT?**

20 A. An acquisition adjustment is the difference between the cost of acquiring an  
21 operating unit or system and the depreciated original cost of the acquired  
22 property.

1 **Q. IS AN ACQUISITION ADJUSTMENT ALWAYS A POSITIVE NUMBER?**

2 A. No. When the purchase price is greater than the original cost, the number is  
3 positive. It is also possible for the purchase price to be less than the original  
4 cost.

5 **Q. WHAT ACQUISITIONS FORM THE BASIS OF THE REQUESTED**  
6 **ACQUISITION ADJUSTMENTS?**

7 A. The acquisitions of the former United Water Missouri (Jefferson City) property  
8 and the municipal systems of Valley Park ("VP"), Webster Groves ("WG"),  
9 and Florissant ("FL").

10 **Q. ARE THE ACQUISITION ADJUSTMENTS FOR ALL FOUR PROPERTIES**  
11 **POSITIVE?**

12 A. No. There is a negative acquisition adjustment associated with Valley Park.

13 **Q. WHEN WERE THESE ACQUISITIONS COMPLETED?**

14 A. The acquisition of United Water Missouri (Jefferson City) was completed in  
15 April 2000. The Valley Park acquisition was completed in May 2001. The  
16 Florissant acquisition was completed in January 2002. The Webster Groves  
17 acquisition was completed in February 2002.

18 **Q. DID YOU CALCULATE THE ACQUISITION ADJUSTMENTS?**

19 A. Yes. Attached hereto as Schedule EJG-2 are my calculations of the  
20 acquisition adjustments for each of the properties. These acquisition  
21 adjustments result from a difference between the actual purchase price and  
22 the original cost of the property that is used and useful for public service, less  
23 the accumulated depreciation.

1 **Q. WHAT TREATMENT IS MAWC PROPOSING FOR THE ACQUISITION**  
2 **ADJUSTMENTS?**

3 A. MAWC is proposing that it be authorized to recover an amortization of the  
4 acquisition adjustments over a period commensurate with the average  
5 composite depreciation rate. The amortization periods vary between 37 and  
6 41 years. The Company is also proposing to include the unamortized  
7 acquisition adjustment in rate base.

8 **Q. HOW DOES MAWC PROPOSE TO TREAT THE NEGATIVE ACQUISITION**  
9 **ADJUSTMENT?**

10 A. The Valley Park acquisition adjustment would represent a negative  
11 amortization (cost of service reduction) of the acquisition adjustments over a  
12 38-year period, as well as include a reduction to rate base for the negative  
13 unamortized acquisition adjustment.

14 **Q. HAS THE COMMISSION PREVIOUSLY STATED THAT IT WOULD**  
15 **CONSIDER GRANTING AN ACQUISITION ADJUSTMENT IN AN**  
16 **APPROPRIATE SITUATION?**

17 A. Yes. In a prior MAWC case, the Commission stated as follows:

18 The Commission finds that, on a policy basis, it is not necessarily  
19 opposed to consideration of acquisition adjustment. The Commission  
20 stated in Case No. EM-91-213 (In the matter of the application of The  
21 Kansas Power and Light Company...) that it was not opposed to the  
22 concept of the savings sharing plan (as a part of an acquisition  
23 adjustment request) provided that only merger-related savings would



1 be shared. The Commission went on to state, and finds in this order,  
2 that it does not wish to discourage companies from actions which  
3 produce economies of scale and savings which can benefit ratepayers  
4 and shareholders alike.

5 (*In the Matter of Missouri-American Water Company, 4 Mo.P.S.C.3d205, 216*  
6 (*November 21, 1995*)). The Commission later indicated that such questions  
7 are appropriate for rate case consideration. See *In the Matter of the Joint*  
8 *Application of Missouri-American Water Company and United Water Missouri*  
9 *Inc.*, Case No. WM-2000-222 (March 16, 2000). See also *In the Matter of the*  
10 *Joint Application of UtiliCorp United Inc. and St. Joseph Light and Power*  
11 *Company*, Case No. EM-2000-222 (December 14, 2000). (The Commission  
12 stated that it “will give due consideration to a proposal to provide for recovery  
13 of a merger premium if that proposal is presented in a rate case.”)

14 **Q. HAVE CUSTOMERS BENEFITED FROM THE ACQUISITIONS?**

15 A. Yes. Both MAWC’s existing customers and the customers of the acquired  
16 properties have benefited from these acquisitions.

17 **Q. HOW HAVE THE EXISTING CUSTOMERS BENEFITED?**

18 A. The existing customers of MAWC have benefited from the acquisitions  
19 through increased economies of scale. The four acquisitions have increased  
20 the Company’s customer base by approximately 34,800 customers. This  
21 represents an increase of 9%. The increased customer base allows the  
22 Company to spread many of its fixed costs over a larger customer base, thus  
23 creating economies of scale.

1        These economies of scale allowed the Company to absorb the Florissant,  
2        Valley Park, and Webster Groves systems without adding any additional  
3        employees. The United Water acquisition resulted in a decrease in staff  
4        totaling 11 employees at a savings of \$530,000 at the time of the United  
5        acquisition.

6        The existing administrative staff in St. Louis was not increased. The labor  
7        cost of the administrative staff and all labor-related expenses is now being  
8        spread over a much larger customer base. The economies of scale would  
9        also be applicable to many of the other administrative costs (i.e., building rent,  
10       postage, office supplies, etc.).

11       The Webster Groves acquisition has given the Company the opportunity to  
12       spread the fixed costs of its production facilities since it did not provide 100%  
13       of the water needs of that community prior to the acquisition. This includes  
14       depreciation and property taxes.

15    **Q.    HOW HAVE THE ACQUIRED CUSTOMERS BENEFITED?**

16    A.    The acquired customers have benefited in a number of ways both financially  
17       and operationally.

18       It has been widely published that there exists a growing need for  
19       infrastructure replacement throughout the water utility industry.

1       Because of this need, smaller water systems are finding it more difficult to  
2       address their needs both financially and operationally. The Valley Park,  
3       Webster Groves, and Florissant systems were municipally owned. Their  
4       systems were growing in age and would require infrastructure replacement in  
5       the coming years. The acquisition of these systems by MAWC will now afford  
6       these communities the ability to have their water system infrastructure  
7       replaced without the financial burden of raising significant amounts of capital.

8       Another benefit to the former customers of the VP, WG, and FL systems is  
9       that the proceeds of the acquisition have been reinvested back into the  
10      communities. The communities will benefit for many years to come from the  
11      sale of their water systems. I feel confident that these municipalities will use  
12      the proceeds of the sale of their water systems to the greatest extent  
13      possible. These three municipalities will also benefit from the property taxes  
14      as a result of the acquisitions.

15      One final benefit that will be realized by the former municipal systems is that  
16      their rates and charges will be regulated by the Missouri Public Service  
17      Commission with additional review and oversight provided by the Office of  
18      Public Counsel. These governmental bodies have the responsibility to ensure  
19      that the rates that the Company charges are just, fair, and reasonable.

1 Water rates for all three systems have not been changed. MAWC is filing the  
2 first rate case since the acquisitions.

3 **Q. FROM A PUBLIC POLICY PERSPECTIVE, IS IT IMPORTANT FOR THE**  
4 **COMMISSION TO INDICATE A WILLINGNESS TO ALLOW RECOVERY**  
5 **OF ACQUISITION ADJUSTMENTS?**

6 A. Yes. Economies of scale make it more efficient to provide water services.  
7 Having well-run, efficient water systems is in the public interest. If a utility is  
8 financially sound and economic regulation allows it to grow, then there should  
9 be future opportunities that would allow for the Company and the public to  
10 meet both financial and operating challenges into the future.

11 **Q. IN ST. LOUIS COUNTY WATER COMPANY'S LAST RATE CASE, THE**  
12 **COMMISSION STATED, AMONG OTHER THINGS, THAT "THE UTILITY**  
13 **INDUSTRY, INCLUDING WATER UTILITIES, SEEMS TO BE PURSUING**  
14 **MERGERS AND ACQUISITIONS QUITE WILLINGLY WITHOUT THIS**  
15 **COMMISSION APPROVING SHARED SAVINGS PLANS" (CASE NO. WR-**  
16 **2000-844). WHY SHOULD THE COMMISSION TAKE A DIFFERENT**  
17 **APPROACH TO ACQUISITION ADJUSTMENTS?**

18 A. It is certainly true that certain mergers and acquisitions may go forward  
19 without special treatment. However, this approach is inappropriate for water  
20 utilities. While the larger system acquisitions have occurred in spite of the  
21 Commission's historical treatment of acquisition adjustments, few small  
22 system acquisitions have occurred. This is true because the effort and  
23 financial commitment required to acquire and integrate a small utility is

1 disproportionate to its value. We are incented to target large systems by the  
2 magnitude of the benefits in terms of scale and value contribution.  
3 Nonetheless, we are increasingly backing away from opportunities to  
4 consolidate the industry and solve water and wastewater problems because  
5 of the financial penalties resulting from the acquisition adjustment ratemaking  
6 treatment. MAWC suspects that there are small, troubled Missouri water and  
7 wastewater systems that it could acquire and whose customers, along with  
8 the environment, would benefit from having a well financed and experienced  
9 owner and operator. With financial incentives such as the recovery of  
10 acquisition adjustments via a "return on and return of", MAWC can partner  
11 with the Commission Staff and the Office of the Public Counsel to develop a  
12 structured program that would facilitate the acquisition of the Missouri water  
13 and wastewater systems whose ownership by MAWC would benefit the public  
14 interest.

15 **(5) ST. JOSEPH TREATMENT PLANT RETIREMENT**

16 **Q. PLEASE EXPLAIN THE TREATMENT PLANT RETIREMENT**  
17 **ADJUSTMENT REFLECTED IN THE COMPANY'S COST OF SERVICE.**

18 **A.** This adjustment was made to reflect a 20-year amortization of the remaining  
19 book value of the old St. Joseph treatment plant. Attached as shown on  
20 Schedule CAS-15, page 20, is the calculation of this adjustment.

21 **Q. WHAT IS THE ORIGIN OF THESE AMOUNTS?**

1 A. When the new St. Joseph treatment plant came on-line, the old plant was  
2 retired and taken out of service. However, the old plant was not fully  
3 depreciated. On the day the old St. Joseph treatment plant was retired, its  
4 book value (investment minus depreciation) was \$2,832,906. The question of  
5 what to do with these amounts is referred to throughout the various pleadings  
6 as the "premature retirement" issue.

7 **Q. WHAT DID THE COMMISSION DECIDE TO DO WITH THE REMAINING**  
8 **BOOK VALUE IN CASE NO. WR-2000-281?**

9 A. Among other things, the Commissioner's Order denied MAWC recovery of  
10 those under depreciated amounts associated with the retirement of its old St.  
11 Joseph treatment plant and directed that the remaining plant balance of  
12 \$2,832,906 and the related cost of removal be written off. MAWC complied  
13 with this Order and wrote the subject amounts off its books. The associated  
14 cost related to the removal was in the amount of \$344,955.

15 **Q. WHY DOES MAWC BELIEVE THE REMAINING BOOK VALUE AND THE**  
16 **COST OF REMOVAL ASSOCIATED WITH THE OLD ST. JOSEPH**  
17 **TREATMENT PLANT SHOULD BE TREATED DIFFERENTLY IN THIS**  
18 **CASE?**

19 A. MAWC appealed the Commission's decision regarding the old St. Joseph  
20 plant amounts to the Cole County Circuit Court. MAWC argued that the  
21 Commission's decision as to the premature retirement issue was a  
22 confiscation of private property in violation of the Fifth Amendment of the  
23 United States Constitution, applicable to the states under the Fourteenth

1 Amendment, and Article I, Section 26 of the Missouri Constitution, and that  
2 the Commission's theory of "extraordinary supersession" was not supported  
3 by substantial and competent evidence on the record.

4 **Q. WHAT DID THE CIRCUIT COURT FIND?**

5 A. The Cole County Circuit Court found in its Order and Judgment issued May  
6 25, 2001, that the Commission erred when it denied MAWC's recovery of  
7 depreciation amounts associated with the retirement of the old St. Joseph  
8 treatment plant and directed the Company to write-off remaining plant  
9 balance of \$2,832,906. The Circuit Court made findings that "[I]f no  
10 consideration is made for the net depreciation related to the old St. Joseph  
11 treatment plant, MAWC will suffer a taking or confiscation of its property" and  
12 that the "record does not support the Commission's finding/conclusion that  
13 the old St. Joseph treatment plant was the victim of extraordinary  
14 supersession." This issue was, therefore, "reversed and remanded to the  
15 Public Service Commission for further proceedings consistent with [the court's  
16 opinion]."

17 **Q. HOW DOES MAWC PROPOSE TO RECOVER THE REMAINING BOOK**  
18 **VALUE ASSOCIATED WITH THE OLD ST. JOSEPH TREATMENT**  
19 **PLANT?**

20 A. MAWC is proposing that it be authorized to recover an amortization of the  
21 undepreciated value and the related cost of removal over a 20-year period.

22 **Q. DOES MAWC SEEK TO EARN A "RETURN ON" THE UNAMORTIZED**  
23 **BALANCE?**

1 A. No. MAWC proposes to receive only a "return of" the amounts. Therefore,  
2 including cost of removal, the annual amortization is \$158,893.

3 **(6) REVENUES**

4 **Q. PLEASE EXPLAIN THE COMPANY'S ADJUSTMENT TO THE TEST YEAR**  
5 **LEVEL OF REVENUES.**

6 A. The adjustments to the test year level of revenues can be characterized as  
7 follows:

8 1) Eliminate from or adjust the test year for items that will not recur or are  
9 reflected in other adjustments.

10 2) Annualize for the level of residential and commercial customers as of the  
11 end of the true-up period.

12 3) Normalize the sales level for the residential and commercial class for  
13 weather and to reflect in rates the sales trends for these classes.

14 4) Adjust for known and measurable changes for specific large customers  
15 whose sales need to be annualized, reduced, or eliminated.

16 **Q. BEFORE YOU BEGIN EXPLAINING THE ADJUSTMENTS TO REVENUES,**  
17 **PLEASE BRIEFLY DESCRIBE SCHEDULE CAS-13 and CAS-14.**

18 A. Schedules CAS-13 and CAS-14 presents to the Commission a summary and  
19 detail by district of the Company's pro forma test year revenues at both  
20 present and proposed rates. Since the Company's tariff design is based on  
21 district-specific pricing, included in the schedule reference is a three-digit  
22 abbreviation that identifies the district. Attached to the testimony of Mr.



1 Roesch is a schedule that identifies and matches the district to the  
2 abbreviation. Schedule CAS-13 for each district is a summary by revenue  
3 class with CAS-14 providing the detail by revenue class. The proposed rates  
4 are based on a cost of service study prepared by Mr. Paul Herbert, a  
5 consultant with the firm of Gannett Fleming.

6 **Q. PLEASE CONTINUE WITH YOUR DISCUSSION OF THE REVENUE**  
7 **ADJUSTMENTS.**

8 A. As shown on Schedule CAS-9 for each of the districts, unbilled revenue is  
9 being eliminated to reflect the Company's adjustment for the annualizing and  
10 normalizing of customers and sales as of the true-up.

11 The next adjustment shown on the schedule is labeled Bill Analysis and Other  
12 Adjustments. These adjustments are related to the bill analysis and will  
13 adjust the per book revenues to the bill analysis. One example of an  
14 adjustment is to adjust and eliminate correcting journal entries made in the  
15 books.

16 The next level of adjustments shown and labeled Normalization and  
17 Customer Adjustments reflects the number of customers anticipated at the  
18 true-up date and the use of a normalized level of sales based on normal  
19 weather and the current trend of customer usage per day anticipated for  
20 2003.

1 The Company has contracted the services of Professor Edward Spitznagel  
2 from Washington University. Professor Spitznagel has performed a detailed  
3 statistical analysis of the residential and commercial class customers for all  
4 districts with the exception of Jefferson City. The OPA class for the St. Louis  
5 District was also analyzed by Professor Spitznagel. Professor Spitznagel did  
6 not analyze Jefferson City due to insufficient historical data being available for  
7 sales and customers. For Jefferson City, the Company used a simple two-  
8 year average for the usage per day for the residential and commercial  
9 classes. Based on his analysis, Professor Spitznagel has made  
10 recommendations to the Company regarding the appropriate level of usage  
11 per day for revenue classes noted above. Professor Spitznagel has provided  
12 a detailed discussion in his Direct Testimony in this proceeding.

13 The final level of adjustments shown on CAS-9 for each of the districts is  
14 labeled Other Adjustments. These adjustments reflect specific impacts on the  
15 Company's revenues based on known and measurable changes for specific  
16 customers. Shown below is a list of the changes with a brief description:

17 1) The Joplin District signed three take or pay contracts with three  
18 customers. They are with the Empire District Electric Company, City of  
19 Galena, and Webb City. The adjustment annualizes the impact of these  
20 contracts. Also reflected in the adjustment shown on CAS-9-JOP is the  
21 loss of one industrial customer.

1        2) The Mexico District has determined that two industrial customers will be  
2        closing. The adjustment for Mexico District eliminates these two  
3        customers from its revenues at present rates. These adjustments are  
4        incorporated into Schedule CAS-9-MEX and are detailed in the work  
5        papers.

6        3) The Company purchased the assets of the City of Florissant and Webster  
7        Groves in 2002. It also has begun serving Water District C-1 of Jefferson  
8        County. These adjustments eliminate the sales and revenues from  
9        Florissant and Webster Groves on a resale basis and annualizes the  
10       impact of the sales to C-1. The elimination of the revenues from the City  
11       of Florissant and Webster Groves has been replaced by the additional  
12       revenues and customers realized from the acquisitions. These  
13       adjustments are incorporated in CAS-9-STL.

14                    **(7) LABOR AND LABOR-RELATED EXPENSES**

15    **Q.    PLEASE EXPLAIN THE COMPANY'S PRO FORMA ADJUSTMENT TO**  
16    **THE LABOR AND LABOR-RELATED EXPENSES.**

17    **A.    The Company has proposed adjustments to its Labor Expense, Group**  
18    **Insurance and OPEB Expense, Pension Expense, 401K and Employee**  
19    **Investment Plan Expense (EIP), and Payroll Taxes.**

Shown below is a list of the expense adjustment categories and their corresponding schedule within the Company's filing. Each of the schedules provides a detailed explanation of the adjustment.

<u>Expense Adjustment</u>	<u>Schedule Reference</u>
Labor/Incentive Plan	CAS-15, page 1
Group Insurance/OPEBs	CAS-15, page 2
Pensions	CAS-15, page 3
401K and EIP	CAS-15, page 4
Payroll Taxes	CAS-15, page 5

**Q. IN THE LAST MAWC RATE CASE, THE COMPANY AGREED TO FILE IN THE CASE AS PART OF THE REVENUE REQUIREMENT THE IMPACT OF USING A FIVE-YEAR AMORTIZATION OF THE GAINS AND LOSSES FOR PENSION AND OPEBs. DID THE COMPANY DO THIS CALCULATION?**

**A. Yes.**

**Q. DOES THE COMPANY AGREE WITH RECOGNIZING A FIVE-YEAR AMORTIZATION OF THE GAINS AND LOSSES?**

**A. No.** The Company supports the accrual of the Pension and OPEB expense under FAS 87 and FAS 106. In the last Missouri-American rate case, this adjustment produced a reduction in pension expense. As result of market changes, the same calculation produces an increase in the expense. Rather than seeing reversing fluctuations in the Company's pension and OPEB

1 expense due to using a hybrid method for rate recovery, the Company  
2 believes that using the FAS87 and FAS106 for rate recovery to be  
3 appropriate. Additionally, there is at this time, no mechanism to adjust  
4 historical loss and gains in the pension and OPEB plans to account for the  
5 ratemaking treatment for the gains and losses from prior rate cases.

6 **(8) MANAGEMENT FEES**

7 **Q. WHAT ADJUSTMENT WAS MADE TO THE COMPANY'S TEST YEAR**  
8 **LEVEL OF MANAGEMENT FEES?**

9 A. Two pro forma adjustments were made. First, the test year costs related to  
10 the Customer Call Center were annualized to reflect the transitioning of the  
11 remaining districts of the Company to the call center on May 1, 2003. The St.  
12 Louis District transitioned to the call center on December 1, 2001.

13 The Customer Call Center is delivering a number of benefits to the customers  
14 of Missouri-American Water Company either directly or through  
15 improvements to business processes as a result of the innovative platform  
16 that has been created.

17 The benefits from the call center are related to technology, greater resources,  
18 standardization of business processes, and measurement of service levels  
19 not possible with our prior approach.

1 Some of the many benefits of technology are as follows:

2 1) Automatic Call Distribution (ACD) – ACD operates in the Customer  
3 Service Center (CSC) telephone system to ensure an even distribution of  
4 inbound calls into the CSC.

5 2) Computer Telephone Integration (CTI) – CTI allows the integration of  
6 voice and data within a customer contact center by linking the telephone  
7 system directly to the customer information system.

8 3) Interactive Voice Response (IVR) – An IVR allows customers to complete  
9 routine transactions without actually contacting an agent. This technology  
10 also paves the way for Web-based interaction for customer self-service.

11 4) Automatic Call Monitoring – Automatic call monitoring software is used to  
12 evaluate the effectiveness of call handling and associate responsiveness  
13 to inquiries.

14 5) Expert Agent Selection – This call management software directs different  
15 types of calls to different customer service reps (CSRs).

16 6) Workforce Management – Another technology is a workforce management  
17 system, which gathers information from ACD, CTI, and IVR to provide  
18 resource forecasting and scheduling to ensure optimization of staffing to  
19 meet customer needs.

20 7) Predictive Dialer – This software is installed on the telephone system to  
21 manage outbound calls. It will maximize the CSC ability to initiate  
22 communications with customers.

1       8) Electronic Customer Information System (E-CIS) – The E-CIS is designed  
2       to provide thorough customer information to the CSRs during contacts  
3       between them and the customer.

4       The next benefit is greater resources. Centers with a larger number of  
5       employees provide the ability to have more direct, skilled, and focused  
6       activities. A nucleus of people can be designated to focus on defining and  
7       refining best practices, while other groups can focus on performance  
8       measurement, effective management processes, and developing an  
9       environment of continued process improvement. The economies of scale of  
10      the customer call center has provided for the ability of the Company to  
11      provide 24/7 service (24 hours a day, 7 days a week). This more than triples  
12      the service time that we provide our customers today than was provided  
13      under the prior approach,

14      Next, standardization of business processes has always been the  
15      cornerstone for reducing costs and/or improving service. As new processes  
16      are considered, innovations will be implemented that will have positive, long-  
17      term benefits.

18      And finally, the measurement of service is another key to the successful  
19      implementation of the customer call center and its resulting benefits to our  
20      customers. We must be able to monitor and measure the performance of the

1 customer call center and its interaction with our customers and the progress  
2 of achieving service level targets.

3 Examples of service targets are answering 80% of calls within 30 seconds,  
4 call abandonment rate between 5% and 5.5%, first call effectiveness of 85%,  
5 and response time for credit or billing-related inquiries requiring less than  
6 three days. For the St. Louis District, the Company was able to meet three of  
7 the four targets for the first quarter of 2003, and we expect the entire  
8 Missouri-American Water Company to meet these targets after completion of  
9 the final transition into the call center as noted above.

10 The second adjustment to Management Fees is for the Company's  
11 Information Technology Services (ITS) function, which has undergone a  
12 reorganization. This reorganization has moved the ITS function to the  
13 Service Company. A number of benefits will be realized from the ITS  
14 reorganization. They are as follows:

- 15 1) Added functionality;
- 16 2) New skills;
- 17 3) Improved prioritization of IS resources;
- 18 4) Capability to identify and leverage new IS technologies;
- 19 5) Ability to measure performance more effectively; and
- 20 6) Lower consulting costs in the future as a result of increased internal  
21 capability.



1 The additional cost of the ITS reorganization for Missouri-American is offset  
2 by the cost savings of eliminating payroll, payroll related and other operating  
3 expenses as a result of moving the Company's IT Staff to the Service  
4 Company.

5 Schedule CAS-15, page 12 shows the adjustment and provides some  
6 additional discussion for the pro forma adjustment.

7 **(9) AAO SECURITY COSTS**

8 **Q. HAS THE COMPANY INCLUDED A PRO FORMA ADJUSTMENT FOR**  
9 **SECURITY-RELATED COSTS?**

10 **A.** Yes. As shown on Schedule CAS-15, page 24, the Company has calculated  
11 a pro forma adjustment to annualize the amortization of the deferred costs  
12 associated with its security efforts. The Commission in Case No. WO-2002-  
13 273 approved the Company's request for an Accounting Authority Order to  
14 defer security-related costs.

15 These costs include guards at Company facilities, additional water quality  
16 testing, and deferred depreciation and carrying costs associated with capital  
17 expenditures that have been placed into service.

1 The pro forma cost is based on a ten-year amortization period, as ordered by  
2 the Commission. The amortization period began in December 2002 at the  
3 time the Report and Order was issued.

4 **(10) INCOME TAXES**

5 **Q. PLEASE EXPLAIN THE COMPANY'S CALCULATION OF ITS PRO**  
6 **FORMA LEVEL OF INCOME TAXES.**

7 **A.** The Company's pro forma level of current income taxes at present rates is  
8 based on deducting from revenues all operating expenses and interest  
9 expense. Additional add-backs and deducts are reflected for tax over book  
10 depreciation, non-deductible meals, preferred stock expense, and the flow  
11 through of depreciation related to the amortization of the reserve deficiency.  
12 The resulting taxable income is then multiplied by the state and federal  
13 statutory rates of 6.25% and 35%, respectively

14 Deferred income taxes for the temporary timing difference related to tax over  
15 book depreciation was calculated at the statutory rates. The per books level  
16 of the amortization of the Deferred ITC and the Deferred Taxes associated  
17 with the amortization of the regulatory assets and liabilities was also included  
18 in the calculation of income taxes.

19 Income taxes at proposed rates reflect the impact of the Company's request  
20 for additional revenues.

1 **(11) RATE BASE ELEMENTS**

2 **Q. WHAT RATE BASE ELEMENTS DO YOU WISH TO DISCUSS?**

3 A. The first is the deferred cost associated with the Company's security efforts.  
4 These costs will total \$4,726,487 as of the end of the true-up. It is important  
5 to include in rate base the deferred costs for security. Our customers are  
6 benefiting from these expenses, and these expenses are no different from the  
7 UPIS assets dedicated to providing service to our customers.

8 If the Commission should deny the Company a "return on" the deferred  
9 regulatory asset, then the amortization period should be shortened to five  
10 years. Any period longer than five years would be inappropriate and unfair to  
11 the Company since our ratepayers have been receiving the benefit of the  
12 security efforts.

13 **Q. YOU STATED EARLIER THAT THE AMORTIZATION OF THE DEFERRED**  
14 **COSTS WAS STARTED IN DECEMBER 2002. SINCE THE COMPANY**  
15 **WILL NOT BEGIN RECOVERY OF THE SECURITY COSTS UNTIL APRIL**  
16 **2004, IF APPROVED, HOW MUCH WILL THE COMPANY HAVE**  
17 **AMORTIZED BY THE TIME NEW RATES IN THIS PROCEEDING WILL BE**  
18 **SET?**

19 A. The Company will have amortized approximately \$600,000 of security costs  
20 before any rate recovery is realized.

21 **Q. WILL THE COMPANY EVER RECOVER ANY OF THOSE COSTS?**

1 A. No. These costs will have been borne by the shareholders.

2 **Q. WHAT OTHER RATE BASE ELEMENT WOULD YOU LIKE TO DISCUSS?**

3 A. Working capital is included in a utility's rate base to help compensate  
4 investors for the lag between the time water service is rendered to the  
5 customer and the time it takes to collect revenues from the customer to pay  
6 for the service. In other words, investors had to provide "upfront" capital to  
7 fund the daily operations of the business before customers paid their bills.  
8 The working capital calculation can also properly reflect the impact of the  
9 delay in receiving revenues from customers on depreciation and deferred  
10 taxes as a rate base deduction.

11 The Company has used a Lead/Lag method to calculate its working capital  
12 requirement. The Company and the Missouri Staff have used this method in  
13 the last several rate cases. The Company's Lead/Lag calculation has  
14 incorporated the Staff's calculation from the previous MAWC rate case. A  
15 few changes have been made.

16 **Q. WAS ANY OF THE CHANGES A DEPARTURE FROM THE STAFF'S**  
17 **METHODOLOGY?**

18 A. Yes. One change was made to the expense lags for depreciation and  
19 deferred taxes. The Company is proposing to use an expense lag of zero  
20 days.

1 The purpose of using a zero lag is to recognize that 1) there is a lag in the  
2 collection of the revenues associated with depreciation and deferred taxes,  
3 and 2) because rate base is reduced by accumulated depreciation and  
4 deferred taxes, the level of the accumulated depreciation and deferred taxes  
5 does not properly reflect the level that has been collected from the customers.

6 Therefore, using a zero expense lag for depreciation and deferred taxes  
7 properly states the appropriate level of working capital.

8 **(12) COST ALLOCATION MANUAL**

9 **Q. MR. GRUBB, PLEASE EXPLAIN THE COMPANY'S COST ALLOCATION**  
10 **MANUAL.**

11 A. In the last St. Louis County rate case (Case No. WR-2000-844), the  
12 Commission's Report and Order at page 29 ordering the Company to prepare  
13 and present a Cost Allocation Manual (CAM), which at a minimum should  
14 meet the requirements as proposed by the Office of the Public Counsel.

15 Attached as Schedule EJG-4, is the Company's CAM.

16 **(13) REVENUE CONTRIBUTION BETWEEN DISTRICTS**

17 **Q. PLEASE DESCRIBE SCHEDULE EJG-4.**

18 A. In the Company's last rate case, the Commission identified \$880,000 of  
19 revenue to be contributed from one district of the Company to six other

1 districts. T he reason given by t he Commission was to ameliorate the rate  
2 impact on the six districts.

3 In the current rate case, the Company is proposing to continue this  
4 contribution but will move the contribution from the district that contributed it in  
5 the last case to the St. Louis District in the current case. Schedule EJG-4  
6 shows the contribution of \$880,000 by the St. Louis District to Brunswick,  
7 Mexico, Parkville Water, St. Joseph, and Warrensburg.

8 Schedule EJG-4 also includes a column identifying the differences in the total  
9 revenue requirement and what the tariffs produce. It is not unusual to see  
10 small differences between the total revenue requirement and the level of  
11 revenue produced by the proposed tariffs.

12 **(14) MINIMUM FILING REQUIREMENTS (MFRs)**

13 **Q. HAS THE COMPANY INCLUDED IN ITS FILING THE REQUIRED MFRs?**

14 A. Yes. Attached to my testimony is Appendix A, which contains the required  
15 information for filing a request to change rates and charges before this  
16 Commission.

17 **(15) RATE DESIGN**

18 **Q. DO YOU HAVE ANY COMMENTS REGARDING RATE DESIGN?**

1 A. Yes. As noted earlier, Paul Herbert of Gannett Fleming has performed a cost  
2 of service study and with management's direction, has developed a rate  
3 design.

4 There are two changes in rate design that I would like to highlight.

5 First, for all districts of the Company, with the exception of St. Louis, the  
6 Company is proposing a public fire hydrant charge that will be applicable to all  
7 residential, commercial, industrial, and OPA customers. This charge,  
8 although new, was actually included as a part of the base rates. The charge  
9 will be a separate item on the customer's bill. This proposal will make all  
10 districts consistent with the billing of public fire service throughout the state.

11 The second change is the consolidation of rate blocks for certain customer  
12 classes in the state. For example, instead of four separate rate blocks for the  
13 residential class, there will only be one.

14 Mr. Herbert will discuss in more detail in his Direct Testimony the cost of  
15 service study and the rate design.

16 The Company is also proposing a change in its charge for the installation of  
17 service lines. The current rate for the installation of a 3/4" single meter  
18 service connection is \$425 and for a 3/4" dual meter service connection is

1       \$600. The last time these charges were changed was 1993. The Company  
2       is proposing to increase the amounts. The proposed charge for the 3/4"  
3       single meter service connection is \$552 and the proposed charge for the 3/4"  
4       dual service connection is \$778. The proposed increase is based on the  
5       increase in the Handy-Whittman index for service installations for the North  
6       Central Region for the period January 1993 to July 2002.

7   **Q.   DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?**

8   **A.   Yes, it does.**



# **Missouri-American Water Company**

## **Minimum Filing Requirements**

### **Appendix 'A'**

# **Missouri-American Water Company**

## **Proposed Tariffs**

MISSOURI-AMERICAN WATER COMPANY FOR CITY OF BRUNSWICK AND ADJACENT AREAS  
 NAME OF ISSUING CORPORATION COMMUNITY, TOWN, OR CITY

**WATER SERVICE SCHEDULE NO. 1**  
**METERED SERVICE**
Availability

Available for any metered customer located on Company mains suitable for supplying the service requested.

Volumetric Rate**Residential**

## Monthly

Water Usage Rate Per 1,000 Gallons

For All \$3.2000

Water Usage Rate Per CCF

For All \$2.4000

**Commercial**

## Monthly

Water Usage Rate Per 1,000 Gallons

For the first 100,000 gallons \$3.2000

For all over \$2.3000

Water Usage Rate Per CCF

For the first 134 CCF \$2.4000

For all over \$1.7250

<u>Water Usage Rate per 1,000 Gallons</u>	<u>Industrial</u>	<u>Public Authority</u>	<u>Sale for Resale</u>
Monthly			
For the first 100,000	\$3.2000	\$3.2000	\$3.2000
For the next 1,900,000	2.3000	2.3000	3.2000
For the next 3,000,000	2.3000	2.3000	2.3000
For all over	2.0000	2.3000	2.0000
<u>Water Usage Rate Per CCF</u>			
For the first 134	2.4000	2.4000	2.4000
For the next 2,533	1.7250	1.7250	2.4000
For the next 4,000	1.7250	1.7250	1.7250
For all over	1.5000	1.7250	1.5000

## Monthly Minimum Charge

<u>Meter Size</u>	<u>Monthly Charge</u>	<u>Meter Size</u>	<u>Monthly Charge</u>
5/8"	\$8.50	3"	\$72.00
3/4"	10.90	4"	118.00
1"	15.40	6"	232.00
1 1/2"	26.80	8"	368.00
2"	40.50	10"	625.00
		12"	1,032.00

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

Billing

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

\* Indicates new rate or text

+ Indicates change

 DATE OF ISSUE May 19, 2003 DATE EFFECTIVE June 18, 2003  
 month day year month day year

 ISSUED BY: David P. Abernathy, Vice President, 535 N. New Ballas Road  
Corporate Counsel and Secretary St. Louis, MO 63141  
Name of Officer, Title Address

MISSOURI-AMERICAN WATER COMPANY  
 NAME OF ISSUING CORPORATION

 FOR CITY OF BRUNSWICK AND ADJACENT AREAS  
 COMMUNITY, TOWN, OR CITY

**WATER SERVICE SCHEDULE NO. 2**  
**PRIVATE FIRE PROTECTION**
**HYDRANTS**Availability

Available for hydrants that are placed on private property and attached to public mains.

RateMonthly Charge

Per private hydrant \$104.39

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

Billing

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

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DATE OF ISSUE May 19, 2003 DATE EFFECTIVE June 18, 2003  
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ISSUED BY: David P. Abernathy, Vice President, 535 N. New Ballas Road  
Corporate Counsel and Secretary St. Louis, MO 63141  
 Name of Officer, Title Address

MISSOURI-AMERICAN WATER COMPANY  
NAME OF ISSUING CORPORATION

FOR CITY OF BRUNSWICK AND ADJACENT AREAS  
COMMUNITY, TOWN, OR CITY

**WATER SERVICE SCHEDULE NO. 2  
PRIVATE FIRE PROTECTION CONT'D**

## FIRE LINES

### Availability

For fire protection systems installed on private property. Expense of the installations will be borne by the customer. If, in the opinion of the Company, a detector check meter is needed, the cost shall be a part of the installation. If a detector check meter has to be added to an existing service not having the check meter, the cost will be paid by the customer.

## Rate

**Monthly Charge**

Fire outlet or connection size	
2"	\$ 14.96
3"	25.71
4"	40.79
6"	83.65
8"	143.93
10"	221.24
12"	315.45

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

## Billing

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE	<u>May 19, 2003</u>	DATE EFFECTIVE	<u>June 18, 2003</u>
	month   day   year		month   day   year
ISSUED BY:	David P. Abernathy, Vice President, <u>Corporate Counsel and Secretary</u>		535 N. New Ballas Road <u>St. Louis, MO 63141</u>
	Name of Officer, Title		Address

MISSOURI-AMERICAN WATER COMPANY  
FOR  
CITY OF BRUNSWICK AND ADJACENT AREAS

PUBLIC FIRE HYDRANT SERVICE

APPLICABILITY - This Public Fire Protection Service Charge shall apply to all active residential, commercial, industrial, and public authority water customers. \*

MONTHLY CHARGE - A monthly public fire hydrant service charge shall be computed in accordance with the following formula: \*

$$\text{Monthly Charge} = \frac{(N \times R)}{(A \times 12)}$$

Where:

N = Number of Public Fire Hydrants at date of determination. \*

R = Annual Service Charge of \$263.17 per fire hydrant. \*

A = Number of active residential, commercial, industrial, and public authority customers at date of determination. \*

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill. \*

BILLING - Billing will be rendered monthly in advance, consistent with the billing period for regular water service. Billing for this service shall be in addition to charges for regular water service. For each new active customer billing shall start with the first billing period. Customers terminating service within a billing period shall not be entitled to a refund of any part of a previously paid fire hydrant charge. \*

The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations. \*

ADJUSTMENT of fire hydrant service charge. The monthly fire hydrant service charge shall be adjusted annually on March 1 of each year, based on December 31 data of the previous year or, at its option, the Company may recompute the monthly service charge at any time to reflect changes in number of customers or fire hydrants that results in a variation of \$0.01 or more in the monthly charge. \*

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE May 19, 2003 DATE EFFECTIVE June 18, 2003

ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

Missouri-American Water Company for Jefferson City, MO and Cole County, MO,  
adjacent to Jefferson City, MO

**RATE A**  
**METER RATE – CITY AND SUBURBAN**

**APPLICATION** – This schedule is applicable to residential, commercial, industrial, municipal, and other general service.

**\*RATE TABLE** – For water use as determined by meter:

**Availability**

Available for any metered customer located on Company mains suitable for supplying the service requested.

**Volumetric Rate**

**Residential**

Monthly

Water Usage Rate Per 1,000 Gallons

For All \$2.4780

Water Usage Rate Per CCF

For All \$1.8585

**Commercial**

Monthly

Water Usage Rate Per 1,000 Gallons

For the first 236,250 gallons \$2.4780

For all over \$2.1000

Water Usage Rate Per CCF

For the first 315 CCF \$1.8585

For all over \$1.5750

Water Usage Rate Per 1,000 Gallons

Monthly

For the first 236,250

For all over

Industrial

\$2.4780

2.1000

Public Authority

\$2.4780

1.5000

Sale for Resale

\$2.4780

2.1000

Water Usage Rate Per CCF

For the first 315

For all over

2.4000

1.5000

2.4000

1.7300

2.4000

1.5000

**Monthly Minimum Charge**

Meter Size

Monthly Charge

5/8"

\$8.50

3/4"

10.90

1"

15.40

1 1/2"

26.80

2"

40.50

Meter Size

3"

4"

6"

8"

10"

Monthly Charge

\$ 72.00

118.00

232.00

368.00

625.00

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

\* Indicates new rate or text

+ Indicates change

Missouri-American Water Company for Jefferson City, MO and Cole County, MO,  
adjacent to Jefferson City, MO

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**RATE A (continued)**

**\*SERVICE CHARGE** – The following monthly service charges must be paid regardless of the quantity of water used. It entitles the customer to 100 cubic feet of water.

**There is no minimum other than the above-listed monthly service charge.**

Terms of Payment – All bills for service under this schedule will be rendered in arrears monthly. The bills at the above rates are due and payable when rendered, and become delinquent after 21 days.

Billing

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the “date of rendition” of the bill to the customer. The customer’s bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations

\*Indicates new rate or text

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DATE OF ISSUE: May 19, 2003

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ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New  
Ballas Rd., St. Louis, MO 63141



FORM NO. 13      P.S.C. MO. NO. 3  
CANCELLING      P.S.C. MO. NO. 3

7<sup>th</sup> (Revised) SHEET NO. 2  
6<sup>th</sup> (Revised) SHEET NO. 2

Missouri-American Water Company for Jefferson City, MO and Cole County, MO,  
adjacent to Jefferson City, MO

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**RATE B**  
**SPECIAL RATE FOR INTERRUPTIBLE CUSTOMERS**

RATE FOR:

MISSOURI STATE PENITENTIARY

\*RATE:      Minimum Annual Rate (includes 5,598,000 gallons)

Minimum Annual Rate      \$13,226.25

\*MONTHLY USAGE RATES:

<u>USAGE RATE</u>	<u>WATER USAGE RATE PER 1000 GALLONS</u>
0 – 420,000 gallons	@      \$2.4780/1000 gallons
Over 420,000 gallons	@      \$1.4500/1000 gallons

Should the prison not use enough water to exceed the annual minimum bill allowance by June 15 of each fiscal year, the Company will bill the prison for the difference.

DEFINITION OF AN INTERRUPTIBLE CUSTOMER:

A customer whose service may be turned off if its usage will cause the Company's daily need for water to exceed the Company's daily production capacity.

SERVICE CONDITIONS:

An interruptible customer shall notify the Company when it turns on the supply from the Company. The customer shall estimate its daily use and advise the Company within 24 hours.

\*Indicates new rate or text

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DATE OF ISSUE: May 19, 2003

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ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

FORM NO. 13      P.S.C. MO. NO. 3  
CANCELLING      P.S.C. MO. NO. 3

4th (Revised)      SHEET NO. 2A  
3rd (Revised)      SHEET NO. 2A

Missouri-American Water Company for Jefferson City, MO and Cole County, MO,  
adjacent to Jefferson City, MO

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**RATE B**  
**SPECIAL RATE FOR INTERRUPTIBLE CUSTOMERS**

RATE FOR:

CAPITOL COMPLEX

\*RATE:      Minimum Annual Rate (includes 1,520,000 gallons)

	<u>ANNUAL WATER USAGE RATE</u>
Minimum Annual Rate	\$5,312.57

\*MONTHLY USAGE RATES:

<u>USAGE RATE</u>		<u>WATER USAGE RATE PER CCF</u>
0-127,500 gallons	@	\$2.4780/1000 gallons
127,500-236,250 gallons	@	\$2.4780/1000 gallons
Over 236,250 gallons	@	\$1.4500/1000 gallons

Should the Capitol Complex not use enough water to exceed the annual minimum bill allowance by June 15 of each fiscal year, the Company will bill the Capitol Complex for the difference.

DEFINITION OF AN INTERRUPTIBLE CUSTOMER:

A customer whose service may be turned off if its usage will cause the Company's daily need for water to exceed the Company's daily production capacity.

SERVICE CONDITIONS:

An interruptible customer shall notify the Company when it turns on the supply from the Company. The customer shall estimate its daily use and advise the Company within 24 hours.

\*Indicates new rate or text

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DATE OF ISSUE: May 19, 2003

DATE EFFECTIVE: June 18, 2003

ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

FORM NO. 13      P.S.C. MO. NO. 3  
CANCELLING      P.S.C. MO. NO. 3

8<sup>th</sup> (Revised)      SHEET NO.      3  
7<sup>th</sup> (Revised)      SHEET NO.      3

Missouri-American Water Company for Jefferson City, MO and Cole County, MO,  
adjacent to Jefferson City, MO

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**RATE D**  
**PRIVATE FIRE SERVICE RATES**

APPLICATION – This rate is applicable to fire hydrants and fire protection systems installed on private property.

CONSTRUCTION PROVISION – The expense of the installation of the fire protection system will be borne by the customer. A detector meter of an approved make and size must be incorporated in each fire protection system. The tap size must be approved by the Company.

\*RATE TABLE –

<u>TAP SIZE</u>	<u>ANNUAL CHARGE</u>
2" or Less	\$ 87.35
3"	196.66
4"	349.57
6"	786.49
8"	1,398.11
10"	2,184.60
*Each private fire hydrant located on company mains	786.49

For private fire services where fire booster pumps are utilized by the customer, the annual charge shall be determined by an equivalent (tap) size. The equivalent tap size shall be the standard pipe size that would deliver, at a velocity of 5 feet per second, the flow capacity of the fire booster pumps.

SPECIAL PROVISIONS –

1. Private fire hydrants and protection systems are to be used solely for the extinguishing of fires or for fire drills.
2. No connections for water service for uses other than fire protection shall be made to any private fire protection system.

\*Indicates new rate or text

+Indicates change

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DATE OF ISSUE: May 19, 2003

DATE EFFECTIVE: June 18, 2003

ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New  
Ballas Rd., St. Louis, MO 63141

Missouri-American Water Company for Jefferson City, MO and Cole County, MO,  
adjacent to Jefferson City, MO

**RATE F**

**RATE FOR MANUFACTURERS AND LARGE QUANTITY USERS OF WATER**

**APPLICATION** – This rate is applicable to Manufacturers and Large Quantity Users of Water whose use is fairly constant throughout the year and is not less than 450,000 gallons per month.

This rate is not available to users of water in residences, apartment dwellings, hotels, hospitals, educational institutions, or for irrigation or construction purposes.

**\*RATE** – For all water used as registered by meter:

First 450,000 Gallons per Month	Minimum Service Charge	+
Over 450,000 Gallons per Month @	\$1.7500/1000 gallons	+

**\*SERVICE CHARGE** – The following monthly service charges must be paid regardless of the quantity of water used. It entitles the customer to 60,000 cubic feet of water.

<u>METER SIZE</u>	<u>MONTHLY SERVICE CHARGE</u>	
2" Water Meter	\$ 1,155.60	*
3" Water Meter	1,187.10	*
4" Water Meter	1,233.10	*
6" Water Meter	1,347.10	*

**MINIMUM CHARGE** – The minimum charge in any month shall be 60% of the maximum charge that occurred for any of the months of June, July, August, or September in the twelve (12) months period preceding the month for which the bill is rendered, except that the minimum shall not be less than the service charges stated above.

If the customer is forced to close the operations of its plant for a period of 10 days or more because of accidents, fires, damage to plant, strikes of its own employees, acts of God, Governmental regulations, or other cause not reasonably within its control, and the customer gives Water Company written notice not later than thirty days after such occurrence, the customer will be entitled to a pro-rated reduction in the monthly minimum charge for the period a pro-rated reduction in the monthly minimum charge for the period the customer is unable to use full water service for such cause.

\*Indicates new rate or text

+Indicates change

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DATE EFFECTIVE: June 18, 2003

ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

Missouri-American Water Company for Jefferson City, MO and Cole County, MO,  
adjacent to Jefferson City, MO

**RATE F (continued)**

**DURATION OF CLASSIFICATION** – Where a customer elects to be classified as a “Large Quantity User” and avail himself on this rate, he shall remain so classified for a period of at least twelve (12) months. Should he elect to leave this “Large Quantity User” classification after having elected to come under it, he shall not again be classified as a “Large Quantity User” until at least twelve (12) months have elapsed, but during such period shall obtain service under another available rate.

**TERMS OF PAYMENT** – All bills for service under this schedule will be rendered in arrears monthly. The bills at the above rates are due and payable when rendered and become delinquent after 21 days.

**RATES A, B, D, E, AND F – SURCHARGE**

**BILLING OF LICENSE, OCCUPATION, FRANCHISE, OR OTHER SIMILAR  
CHARGES OR TAXES**

There shall be added to the Customer’s bill as a separate item, an amount equal to the proportionate part of a license, occupation, franchise, or other similar fee or tax now or hereafter imposed upon the Company by local taxing authorities, whether imposed by ordinance, franchise or otherwise, and which fee or tax is based upon a percentage of the gross receipts, net receipts, or revenues from sales of water or services rendered by the Company to the Customer.

Where more than one such charge or tax is imposed by a taxing authority, the total of such charges or taxes applicable to a Customer may be billed to the Customer as a single amount.

Charges or taxes herein referred to shall in all instances be billed to Customers on the basis of company rates effective at the time of billing and on the basis of the tax rate effective at the time of billing is made.

+Indicates change

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DATE OF ISSUE: May 19, 2003

DATE EFFECTIVE: June 18, 2003

ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New  
Ballas Rd., St. Louis, MO 63141

MISSOURI-AMERICAN WATER COMPANY  
FOR  
CITY OF JEFFERSON CITY, MO AND COLE COUNTY, MO ADJACENT TO  
JEFFERSON CITY

PUBLIC FIRE HYDRANT SERVICE

APPLICABILITY - This Public Fire Protection Service Charge shall apply to all active residential, commercial, industrial, and public authority water customers. \*

MONTHLY CHARGE - A monthly public fire hydrant service charge shall be computed in accordance with the following formula: \*

$$\text{Monthly Charge} = \frac{(N \times R)}{(A \times 12)}$$

Where: \*

N = Number of Public Fire Hydrants at date of determination. \*

R = Annual Service Charge of \$299.54 per fire hydrant. \*

A = Number of active residential, commercial, industrial, and public authority customers at date of determination. \*

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill. \*

BILLING - Billing will be rendered monthly in advance, consistent with the billing period for regular water service. Billing for this service shall be in addition to charges for regular water service. For each new active customer billing shall start with the first billing period. Customers terminating service within a billing period shall not be entitled to a refund of any part of a previously paid fire hydrant charge. \*

The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations. \*

ADJUSTMENT of fire hydrant service charge. The monthly fire hydrant service charge shall be adjusted annually on March 1 of each year, based on December 31 data of the previous year or, at its option, the Company may recompute the monthly service charge at any time to reflect changes in number of customers or fire hydrants that results in a variation of \$0.01 or more in the monthly charge. \*

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE May 19, 2003 DATE EFFECTIVE June 18, 2003

ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

MISSOURI-AMERICAN WATER COMPANY  
NAME OF ISSUING CORPORATIONFOR  
CITY OF JOPLIN, MO AND VICINITY  
COMMUNITY, TOWN OR CITY**CLASSIFICATION OF SERVICE**  
**GENERAL WATER SERVICE**Availability

Available for any metered customer located on Company mains suitable for supplying the service requested.

Volumetric Rate**Residential**

Monthly

Water Usage Rate per 1,000 Gallons

For All \$1.5670

Water Usage Rate per CCF

For All \$1.1753

**Commercial**

Monthly

Water Usage Rate Per 1,000 Gallons

For the first 100,000 gallons

\$1.5670

For all over

\$0.9620

Water Usage Rate Per CCF

For the first 134 CCF

\$1.1753

For all over

\$0.7215

Water Usage Rate per 1,000 Gallons

Monthly

IndustrialPublic AuthoritySale for Resale

For the first 100,000

\$1.5670

\$1.5670

\$1.5670

For the next 1,900,000

1.4000

0.9620

1.4000

For the next 3,000,000

1.0000

0.9620

1.0000

For all over

0.6660

0.9620

0.7850

Water Usage Rate Per CCF

For the first 134

1.1753

1.1753

1.1753

For the next 2,533

1.0500

0.7215

1.0500

For the next 4,000

0.7500

0.7215

0.7500

For all over

0.4995

0.7215

0.5888

Monthly Minimum ChargeMeter SizeMonthly ChargeMeter SizeMonthly Charge

5/8"

\$ 8.50

3"

\$72.00

3/4"

10.90

4"

118.00

1"

15.40

6"

232.00

1 1/2"

26.80

8"

368.00

2"

40.50

10"

625.00

12"

1,032.00

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

Billing

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE May 19, 2003  
month day yearDATE EFFECTIVE June 18, 2003  
month day yearISSUED BY: David P. Abernathy, Vice President  
Corporate Counsel and Secretary  
Name of Officer, Title535 N. New Ballas Road  
St. Louis, MO 63141  
Address

MISSOURI-AMERICAN WATER COMPANY FOR  
NAME OF ISSUING CORPORATION

CITY OF JOPLIN, MO AND VICINITY  
COMMUNITY, TOWN OR CITY

**CLASSIFICATION OF SERVICE**  
**PRIVATE FIRE SERVICE**

**FIRE LINES**

Availability

For fire protection systems installed on private property. Expense of the installations will be borne by the customer. If, in the opinion of the Company, a detecto check meter is needed, the cost shall be a part of the installation. If a detecto check meter has to be added to an existing service not having the check meter, the cost will be paid by the customer.

Rate

Monthly Charge

Fire outlet or connection size

2"	\$ 7.99
3"	13.73
4"	21.79
6"	44.69
8"	76.89
10"	118.19
12"	168.52

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

Billing

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

**HYDRANTS**

Availability

Available for hydrants that are placed on private property and attached to public mains.

Rate

Monthly Charge

Per private hydrant \$55.77

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

DATE OF ISSUE May 19, 2003  
month day year

DATE EFFECTIVE June 18, 2003  
month day year

ISSUED BY: David P. Abernathy, Vice President  
Corporate Counsel and Secretary  
Name of Officer, Title

535 N. New Ballas Road  
St. Louis, MO 63141  
Address



MISSOURI-AMERICAN WATER COMPANY  
FOR  
JOPLIN, MISSOURI AND VICINITY

RULES, REGULATIONS, AND CONDITIONS OF SERVICE

11. INSTALLATION OF SERVICE LINES – Continued

(M) For service at a new location, applicant shall pay, in advance, a service connection charge as follows:

3/4" Single Meter Service Connection	\$552	+
3/4" Dual Meter Service Connection (with 1" service line)	\$778	+

If one side of a dual connection is used, customer shall pay only one-half of the \$778 charge, or \$389. For a service larger than 3/4", the service connection shall be equal to the cost of installing a meter and service connection. Any income tax liability will be added to the service connection fee. +

(N) Customers' water services will not be extended along public streets or roadways or through property of others in connecting with water mains. If a service connection is requested at a point not already served by a main of adequate capacity, the Company shall extend its mains as provided in Rule 22.

(O) Any change in the location and/or size of an existing service connection requested by the Customer shall be made at his expense.

(P) New service connections for yearly services shall be furnished and installed by the Company for the charges as set forth in Rule 11 (m). All additional installation and maintenance costs shall be at the expense of the Company.

\*Indicates new rate or text  
+Indicates change

DATE OF ISSUE May 19, 2003 DATE EFFECTIVE June 18, 2003  
month day year month day year

ISSUED BY: David P. Abernathy, Vice President, 535 N. New Ballas Road  
Corporate Counsel and Secretary St. Louis, MO 63141  
Name of Officer, Title Address

MISSOURI-AMERICAN WATER COMPANY

FOR

CITY OF JOPLIN, MO AND VICINITYPUBLIC FIRE HYDRANT SERVICE

APPLICABILITY - This Public Fire Protection Service Charge shall apply to all active residential, commercial, industrial, and public authority water customers. \*

MONTHLY CHARGE - A monthly public fire hydrant service charge shall be computed in accordance with the following formula: \*

$$\text{Monthly Charge} = \frac{(N \times R)}{(A \times 12)}$$

Where: \*

N = Number of Public Fire Hydrants at date of determination. \*

R = Annual Service Charge of \$305.47 per fire hydrant. \*

A = Number of active residential, commercial, industrial, and public authority customers at date of determination. \*

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill. \*

BILLING - Billing will be rendered monthly in advance, consistent with the billing period for regular water service. Billing for this service shall be in addition to charges for regular water service. For each new active customer billing shall start with the first billing period. Customers terminating service within a billing period shall not be entitled to a refund of any part of a previously paid fire hydrant charge. \*

The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations. \*

ADJUSTMENT of fire hydrant service charge. The monthly fire hydrant service charge shall be adjusted annually on March 1 of each year, based on December 31 data of the previous year or, at its option, the Company may recompute the monthly service charge at any time to reflect changes in number of customers or fire hydrants that results in a variation of \$0.01 or more in the monthly charge. \*

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE May 19, 2003

DATE EFFECTIVE June 18, 2003

ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

MISSOURI-AMERICAN WATER COMPANY  
NAME OF ISSUING CORPORATIONFOR CITY OF MEXICO AND ADJACENT AREAS  
COMMUNITY, TOWN, OR CITY**WATER SERVICE SCHEDULE NO. 1  
METERED SERVICE**Availability

Available for any metered customer located on Company mains suitable for supplying the service requested.

Volumetric Rate**Residential****Monthly**Water Usage Rate Per 1,000 Gallons

For All \$4.0140

Water Usage Rate Per CCF

For All \$3.0105

**Commercial****Monthly**Water Usage Rate Per 1,000 Gallons

For the first 100,000 gallons \$4.0140

For all over \$1.5000

Water Usage Rate Per CCF

For the first 134 CCF \$3.0105

For all over \$1.1250

Water Usage Rate per 1,000 Gallons**Monthly**

For the first 100,000 \$4.0140

For the next 1,900,000 3.5000

For all over 3,000,000 1.5500

Water Usage Rate Per CCF

For the first 134 3.0105

For the next 2,533 2.6250

For all over 4,000 1.1630

IndustrialPublic AuthoritySale for Resale

\$4.0140

1.9000

1.9000

3.0105

1.4250

1.4250

\$4.0140

3.5000

2.1300

3.0105

2.6250

1.5975

**Monthly Minimum Charge**Meter SizeMonthly Charge

5/8"

\$8.50

3/4"

10.90

1"

15.40

1 1/2"

26.80

2"

40.50

Meter SizeMonthly Charge

3"

\$72.00

4"

118.00

6"

232.00

8"

368.00

10"

625.00

12"

1,032.00

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

Billing

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE May 19, 2003  
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Corporate Counsel and Secretary  
Name of Officer, Title535 N. New Ballas Road  
St Louis, MO 63141  
Address

MISSOURI-AMERICAN WATER COMPANY  
NAME OF ISSUING CORPORATIONFOR CITY OF MEXICO AND ADJACENT AREAS  
COMMUNITY, TOWN, OR CITY**WATER SERVICE SCHEDULE NO. 2  
PRIVATE FIRE PROTECTION****HYDRANTS**Availability

Available for hydrants that are placed on private property and attached to public mains.

RateMonthly Charge

Per private hydrant \$89.77

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

Billing

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

- \* Indicates new rate or text  
+ Indicates change

DATE OF ISSUE May 19, 2003  
month day year

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month day year

ISSUED BY: David P. Abernathy, Vice President,  
Corporate Counsel and Secretary  
Name of Officer, Title

535 N. New Ballas Road  
St Louis, MO 63141  
Address

MISSOURI-AMERICAN WATER COMPANY  
NAME OF ISSUING CORPORATIONFOR CITY OF MEXICO AND ADJACENT AREAS  
COMMUNITY, TOWN, OR CITY**WATER SERVICE SCHEDULE NO. 2**  
**PRIVATE FIRE PROTECTION CONT'D****FIRE LINES****Availability**

For fire protection systems installed on private property. Expense of the installations will be borne by the customer. If, in the opinion of the Company, a detecto check meter is needed, the cost shall be a part of the installation. If a detecto check meter has to be added to an existing service not having the check meter, the cost will be paid by the customer.

**Rate****Monthly Charge**

Fire outlet or connection size	
2"	\$ 12.87
3"	22.11
4"	35.07
6"	71.93
8"	123.78
10"	190.26
12"	271.28

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

**Billing**

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE May 19, 2003  
month day yearDATE EFFECTIVE June 18, 2003  
month day yearISSUED BY: David P. Abernathy, Vice President,  
Corporate Counsel and Secretary  
Name of Officer, Title535 N. New Ballas Road  
St Louis, MO 63141  
Address

MISSOURI-AMERICAN WATER COMPANY  
FOR  
CITY OF MEXICO, MO AND ADJACENT AREAS

PUBLIC FIRE HYDRANT SERVICE

APPLICABILITY - This Public Fire Protection Service Charge shall apply to all active residential, commercial, industrial, and public authority water customers. \*

MONTHLY CHARGE - A monthly public fire hydrant service charge shall be computed in accordance with the following formula: \*

$$\text{Monthly Charge} = \frac{(N \times R)}{(A \times 12)}$$

Where:

N = Number of Public Fire Hydrants at date of determination. \*

R = Annual Service Charge of \$328.66 per fire hydrant. \*

A = Number of active residential, commercial, industrial, and public authority customers at date of determination. \*

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill. \*

BILLING - Billing will be rendered monthly in advance, consistent with the billing period for regular water service. Billing for this service shall be in addition to charges for regular water service. For each new active customer billing shall start with the first billing period. Customers terminating service within a billing period shall not be entitled to a refund of any part of a previously paid fire hydrant charge. \*

The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations. \*

ADJUSTMENT of fire hydrant service charge. The monthly fire hydrant service charge shall be adjusted annually on March 1 of each year, based on December 31 data of the previous year or, at its option, the Company may recompute the monthly service charge at any time to reflect changes in number of customers or fire hydrants that results in a variation of \$0.01 or more in the monthly charge. \*

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE May 19, 2003

DATE EFFECTIVE June 18, 2003

ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

MISSOURI-AMERICAN WATER COMPANY  
NAME OF ISSUING CORPORATIONFOR CERTIFICATED AREAS IN PLATTE COUNTY  
COMMUNITY, TOWN, OR CITY**WATER SERVICE SCHEDULE NO. 1  
METERED SERVICE**Availability

Available for any metered customer located on Company mains suitable for supplying the service requested.

Volumetric Rate**Residential****Monthly**Water Usage Rate Per 1,000 Gallons

For All \$3.4900

Water Usage Rate Per CCF

For All \$2.6175

**Commercial****Monthly**Water Usage Rate Per 1,000 Gallons

For the first 100,000 gallons \$3.4900

For all over \$1.7900

Water Usage Rate Per CCF

For the first 134 CCF \$2.6175

For all over \$1.3425

<u>Water Usage Rate per 1,000 Gallons</u>		<u>Industrial</u>	<u>Public Authority</u>	<u>Sale for Resale</u>
<b>Monthly</b>				
For the first	100,000	\$2.5000	\$3.4900	\$3.4900
For the next	1,900,000	1.5000	1.7900	2.8000
For the next	3,000,000	1.5000	1.7900	1.7900
For all over		1.3000	1.7900	1.5000
<u>Water Usage Rate Per CCF</u>				
For the first	134	1.8750	2.6175	2.6175
For the next	2,533	1.1250	1.3425	2.1000
For the next	4,000	1.1250	1.3425	1.3425
For all over		0.9750	1.3425	1.1250

**Monthly Minimum Charge**

<u>Meter Size</u>	<u>Monthly Charge</u>	<u>Meter Size</u>	<u>Monthly Charge</u>
5/8"	\$8.5000	3"	\$72.0000
3/4"	10.9000	4"	118.0000
1"	15.4000	6"	232.0000
1 1/2"	26.8000	8"	368.0000
2"	40.5000	10"	625.0000
		12"	1,032.0000

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

Billing

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

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Corporate Counsel and Secretary  
Name of Officer, Title535 N. New Ballas Road  
St. Louis, MO 63141  
Address

MISSOURI-AMERICAN WATER COMPANY FOR CERTIFICATED AREAS IN PLATTE COUNTY  
NAME OF ISSUING CORPORATION COMMUNITY, TOWN, OR CITY**WATER SERVICE SCHEDULE NO. 2  
PRIVATE FIRE PROTECTION****HYDRANTS**Availability

Available for hydrants that are placed on private property and attached to public mains.

RateMonthly Charge

Per private hydrant \$81.72

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

Billing

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

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ISSUED BY: David P. Abernathy, Vice President,  
Corporate Counsel and Secretary  
Name of Officer, Title

535 N. New Ballas Road  
St. Louis, MO 63141  
Address



MISSOURI-AMERICAN WATER COMPANY FOR CERTIFICATED AREAS IN PLATTE COUNT  
NAME OF ISSUING CORPORATION COMMUNITY, TOWN, OR CITY**WATER SERVICE SCHEDULE NO. 2  
PRIVATE FIRE PROTECTION CONT'D****FIRE LINES****Availability**

For fire protection systems installed on private property. Expense of the installations will be borne by the customer. If, in the opinion of the Company, a detector check meter is needed, the cost shall be a part of the installation. If a detector check meter has to be added to an existing service not having the check meter, the cost will be paid by the customer.

**Rate****Monthly Charge**

Fire outlet or connection size

2"	\$ 11.71
3"	20.12
4"	31.93
6"	65.48
8"	112.67
10"	173.18
12"	246.93

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

**Billing**

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

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Corporate Counsel and Secretary  
Name of Officer, Title535 N. New Ballas Road  
St. Louis, MO 63141  
Address

MISSOURI-AMERICAN WATER COMPANY  
FOR  
PLATTE COUNTY, MO

PUBLIC FIRE HYDRANT SERVICE

APPLICABILITY - This Public Fire Protection Service Charge shall apply to all active residential, commercial, industrial, and public authority water customers. \*

MONTHLY CHARGE - A monthly public fire hydrant service charge shall be computed in accordance with the following formula: \*

$$\text{Monthly Charge} = \frac{(N \times R)}{(A \times 12)}$$

Where:

N = Number of Public Fire Hydrants at date of determination. \*

R = Annual Service Charge of \$352.86 per fire hydrant. \*

A = Number of active residential, commercial, industrial, and public authority customers at date of determination. \*

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill. \*

BILLING - Billing will be rendered monthly in advance, consistent with the billing period for regular water service. Billing for this service shall be in addition to charges for regular water service. For each new active customer billing shall start with the first billing period. Customers terminating service within a billing period shall not be entitled to a refund of any part of a previously paid fire hydrant charge. \*

The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations. \*

ADJUSTMENT of fire hydrant service charge. The monthly fire hydrant service charge shall be adjusted annually on March 1 of each year, based on December 31 data of the previous year or, at its option, the Company may recompute the monthly service charge at any time to reflect changes in number of customers or fire hydrants that results in a variation of \$0.01 or more in the monthly charge. \*

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE May 19, 2003 DATE EFFECTIVE June 18, 2003

ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

MISSOURI-AMERICAN WATER COMPANY FOR  
NAME OF ISSUING CORPORATIONCERTIFICATED AREAS IN ST. CHARLES COUNTY, MISSOURI  
COMMUNITY, TOWN, OR CITY**WATER SERVICE SCHEDULE NO. 1  
METERED SERVICE**Availability

Available for any metered customer located on Company mains suitable for supplying the service requested.

Volumetric Rate**Residential**

Monthly

Water Usage Rate Per 1,000 Gallons

For All \$1.6116

Water Usage Rate Per CCF

For All \$1.2087

**Commercial**

Monthly

Water Usage Rate Per 1,000 Gallons

For All \$1.6116

Water Usage Rate Per CCF

For All \$1.2087

Water Usage Rate per 1,000 Gallons

Monthly

For All

Industrial

\$1.6116

Public Authority

\$1.6116

Sale for Resale

\$1.2156

Water Usage Rate Per CCF

For All

1.2087

1.2087

0.9117

**Monthly Minimum Charge**Meter SizeMonthly ChargeMeter SizeMonthly Charge

5/8"

\$ 8.50

3"

\$ 56.00

3/4"

8.70

4"

110.00

1"

9.70

6"

201.00

1 1/2"

14.00

8"

261.00

2"

16.20

10"

380.00

12"

532.00

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

Billing

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

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ISSUED BY:

David P. Abernathy, Vice President,  
Corporate Counsel and Secretary  
Name of Officer, Title535 N. New Ballas Road  
St. Louis, MO 63141  
Address

MISSOURI-AMERICAN WATER COMPANY FOR  
NAME OF ISSUING CORPORATIONCERTIFICATED AREAS IN ST. CHARLES COUNTY, MISSOURI  
COMMUNITY, TOWN, OR CITY**WATER SERVICE SCHEDULE NO. 2**  
**PRIVATE FIRE PROTECTION****HYDRANTS**Availability

Available for hydrants that are placed on private property and attached to public mains.

RateMonthly Charge

Per private hydrant \$68.51

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

Billing

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

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ISSUED BY: David P. Abernathy, Vice President, 535 N. New Ballas Road  
Corporate Counsel and Secretary St. Louis, MO 63141  
Name of Officer, Title Address

MISSOURI-AMERICAN WATER COMPANY FOR CERTIFICATED AREAS IN ST. CHARLES COUNTY, MISSOURI  
 NAME OF ISSUING CORPORATION COMMUNITY, TOWN, OR CITY

**WATER SERVICE SCHEDULE NO. 2**  
**PRIVATE FIRE PROTECTION CONT'D**
**FIRE LINES****Availability**

For fire protection systems installed on private property. Expense of the installations will be borne by the customer. If, in the opinion of the Company, a detector check meter is needed, the cost shall be a part of the installation. If a detector check meter has to be added to an existing service not having the check meter, the cost will be paid by the customer.

**Rate****Monthly Charge**

Fire outlet or connection size	
2"	\$ 9.82
3"	16.87
4"	26.77
6"	54.90
8"	94.47
10"	145.20
12"	207.03

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

**Billing**

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

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 ISSUED BY: David P. Abernathy, Vice President, 535 N. New Ballas Road  
Corporate Counsel and Secretary St. Louis, MO 63141  
 Name of Officer, Title Address

MISSOURI-AMERICAN WATER COMPANY  
FOR  
COUNTY OF ST. CHARLES, MO

PUBLIC FIRE HYDRANT SERVICE

APPLICABILITY - This Public Fire Protection Service Charge shall apply to all active residential, \*  
commercial, industrial, and public authority water customers. \*

MONTHLY CHARGE - A monthly public fire hydrant service charge shall be computed in \*  
accordance with the following formula: \*

$$\text{Monthly Charge} = \frac{(N \times R)}{(A \times 12)}$$

Where:

N = Number of Public Fire Hydrants at date of determination. \*

R = Annual Service Charge of \$313.43 per fire hydrant. \*

A = Number of active residential, commercial, industrial, and public authority \*  
customers at date of determination. \*

These rates do not include any municipal, state or federal taxes computed on either \*  
billing or consumption basis. Any such taxes applicable shall be added as separate items \*  
in rendering each bill. \*

BILLING - Billing will be rendered monthly in advance, consistent with the billing period for \*  
regular water service. Billing for this service shall be in addition to charges for regular water \*  
service. For each new active customer billing shall start with the first billing period. Customers \*  
terminating service within a billing period shall not be entitled to a refund of any part of a \*  
previously paid fire hydrant charge. \*

The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the \*  
customer. The customer's bill will be due and payable after this due date. The delinquent date \*  
printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the \*  
bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered \*  
delinquent and the Company may take such action as specified in its filed rules and regulations. \*

ADJUSTMENT of fire hydrant service charge. The monthly fire hydrant service charge shall be \*  
adjusted annually on March 1 of each year, based on December 31 data of the previous year or, at \*  
its option, the Company may recompute the monthly service charge at any time to reflect changes \*  
in number of customers or fire hydrants that results in a variation of \$0.01 or more in the monthly \*  
charge. \*

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE May 19, 2003 DATE EFFECTIVE June 18, 2003

ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas  
Rd., St. Louis, MO 63141

MISSOURI-AMERICAN WATER COMPANY FOR  
NAME OF ISSUING CORPORATION

CITY OF ST. JOSEPH, MO AND VICINITY  
COMMUNITY, TOWN OR CITY  
(ST. JOSEPH DISTRICT)

**WATER SERVICE SCHEDULE NO. 1**  
**METERED SERVICE**

**Availability**

Available for any metered customer located on Company mains suitable for supplying the service requested.

**Volumetric Rate****Residential****Monthly**Water Usage Rate Per 1,000 Gallons

For All \$3.1200

Water Usage Rate Per CCF

For All \$2.3400

**Commercial****Monthly**Water Usage Rate Per 1,000 Gallons

For the first 100,000 gallons \$3.1200

For the next 1,900,000 gallons \$2.7240

For all over \$2.4000

Water Usage Rate Per CCF

For the first 134 CCF \$2.3400

For the next 2,533 CCF \$2.0430

For all over \$1.8000

Water Usage Rate per 1,000 Gallons**Monthly**

For the first 100,000

Industrial \$4.7900

Public Authority \$3.1200

Sale for Resale \$3.1200

For the next 1,900,000

3.1500

3.1200

3.1200

For the next 3,000,000

2.4500

2.8800

2.8800

For all over

1.7000

2.0700

2.0700

Water Usage Rate Per CCF

For the first 134

3.5925

2.3400

2.3400

For the next 2,533

2.3625

2.2400

2.3400

For the next 4,000

1.8375

2.1600

2.1600

For all over

1.2750

1.5525

1.5525

**Monthly Minimum Charge**Meter SizeMonthly ChargeMeter SizeMonthly Charge

5/8"

\$8.50

3"

\$72.00

3/4"

10.90

4"

118.00

1"

15.40

6"

232.00

1 1/2"

26.80

8"

368.00

2"

40.50

10"

625.00

12"

1,032.00

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

**Billing**

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE May 19, 2003  
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ISSUED BY: David P. Abernathy, Vice President,  
Corporate Counsel and Secretary  
Name of Officer, Title

535 N. New Ballas Road  
St. Louis, MO 63141  
Address

FORM NO. 13

P.S.C.MO.NO.1

CANCELLING

(1<sup>st</sup> REVISED)

ORIGINAL

SHEET NO. 1b

SHEET NO. 1b

MISSOURI-AMERICAN WATER COMPANY  
NAME OF ISSUING CORPORATION

FOR CITY OF ST. JOSEPH, MO AND VICINITY  
COMMUNITY, TOWN, OR CITY

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DATE OF ISSUE

May 19, 2003

Month

Day

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Month

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ISSUED BY:

David P. Abernathy, Vice President  
Corporate Counsel and Secretary  
Name of Officer, Title

535 N. New Ballas Road  
St. Louis, MO 63141  
Address



MISSOURI-AMERICAN WATER COMPANY FOR  
NAME OF ISSUING CORPORATION

CITY OF ST. JOSEPH, MO AND VICINITY  
COMMUNITY, TOWN OR CITY  
(ST. JOSEPH DISTRICT)

**CLASSIFICATION OF SERVICE**  
**PRIVATE FIRE SERVICE**

**FIRE LINES**

Availability

For fire protection systems installed on private property. Expense of the installations will be borne by the customer. If, in the opinion of the Company, a detector check meter is needed, the cost shall be a part of the installation. If a detector check meter has to be added to an existing service not having the check meter, the cost will be paid by the customer.

Rate

Monthly Charge

Fire outlet or connection size

2"	\$5.50
3"	9.44
4"	14.98
6"	30.72
8"	52.85
10"	81.24
12"	115.84

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

Billing

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

**HYDRANTS**

Availability

Available for hydrants that are placed on private property and attached to public mains.

Rate

Monthly Charge

Per private hydrant \$38.33

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

\* *Indicates new rate or text*

+ *Indicates change*

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Corporate Counsel and Secretary  
Name of Officer, Title

535 N. New Ballas Road  
St. Louis, MO 63141  
Address

MISSOURI-AMERICAN WATER COMPANY  
FOR  
ST. JOSEPH, MISSOURI AND VICINITY

RULES, REGULATIONS, AND CONDITIONS OF SERVICE

11. INSTALLATION OF SERVICE LINES – Continued

(M) For service at a new location, applicant shall pay, in advance, a service connection charge as follows:

3/4" Single Meter Service Connection	\$552	+
3/4" Dual Meter Service Connection (with 1" service line)	\$778	+

If one side of a dual connection is used, customer shall pay only one-half of the \$778 charge, or \$389. For a service larger than 3/4", the service connection shall be equal to the cost of installing a meter and service connection. Any income tax liability will be added to the service connection fee.

(N) Customers' water services will not be extended along public streets or roadways or through property of others in connecting with water mains. If a service connection is requested at a point not already served by a main of adequate capacity, the Company shall extend its mains as provided in Rule 20.

(O) Any change in the location and/or size of an existing service connection requested by the Customer shall be made at his expense.

(P) New service connections for yearly services shall be furnished and installed by the Company for the charges as set forth in Rule 11 (m). All additional installation and maintenance costs shall be at the expense of the Company.

\*Indicates new rate or text  
+Indicates change

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ISSUED BY: David P. Abernathy, Vice President, 535 N. New Ballas Road  
Corporate Counsel and Secretary St. Louis, MO 63141  
Name of Officer, Title Address

MISSOURI-AMERICAN WATER COMPANY  
FOR  
CITY OF ST. JOSEPH, MO AND VICINTY

PUBLIC FIRE HYDRANT SERVICE

APPLICABILITY - This Public Fire Protection Service Charge shall apply to all active residential, commercial, industrial, and public authority water customers. \*

MONTHLY CHARGE - A monthly public fire hydrant service charge shall be computed in accordance with the following formula: \*

$$\text{Monthly Charge} = \frac{(N \times R)}{(A \times 12)}$$

Where:

N = Number of Public Fire Hydrants at date of determination. \*

R = Annual Service Charge of \$292.79 per fire hydrant. \*

A = Number of active residential, commercial, industrial, and public authority customers at date of determination. \*

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill. \*

BILLING - Billing will be rendered monthly in advance, consistent with the billing period for regular water service. Billing for this service shall be in addition to charges for regular water service. For each new active customer billing shall start with the first billing period. Customers terminating service within a billing period shall not be entitled to a refund of any part of a previously paid fire hydrant charge. \*

The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations. \*

ADJUSTMENT of fire hydrant service charge. The monthly fire hydrant service charge shall be adjusted annually on March 1 of each year, based on December 31 data of the previous year or, at its option, the Company may recompute the monthly service charge at any time to reflect changes in number of customers or fire hydrants that results in a variation of \$0.01 or more in the monthly charge. \*

\* Indicates new rate or text

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ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

RATE A  
METER RATE - RESIDENTIAL AND COMMERCIAL

AVAILABILITY - This rate is available to all residential ("domestic") and commercial customers in cities, towns, and unincorporated territory served by the Company. This rate is required where premises have water closets, hose connections, or sewer connections.

A "residential" ("domestic") customer, under this residential rate classification, is a customer who purchases water for "Domestic use", under this residential rate classification, includes that portion of water which is ultimately delivered to a single or multiple family dwelling, and shall apply to all such purchases regardless of whether the customer is the ultimate consumer.

This tariff is intended to satisfy the provisions of section 144.030 (23), RSMo, by establishing and maintaining a system and rate classification of "residential" to cause the residential sales and purchases of water under this tariff to be considered as sales made for domestic use and thus exempt from sales tax.

CONTRACT TERM AND BILLING - Standard contracts are on a yearly basis, with monthly or quarterly billing for service, except as provided by Rule 4.0.

RATE COMPONENTS:

MINIMUM CUSTOMER CHARGE (2) - The minimum charge for water service available through the facilities of the Company for the billing period and for the meter size furnished the customer is:

Meter Size	(AM) Monthly Billing	(AQ) Quarterly Billing	Prorated Service Charge (3)	
5/8"	\$8.50 (1)	\$12.20 (1)	\$9.30	+
3/4"	\$8.70 (1)	\$13.00 (1)	\$9.24	+
1"	\$9.70 (1)	\$16.00 (1)	\$10.42	+
1-1/2"	\$14.00	\$28.70	\$16.93	+
2"	\$16.20	\$35.30	\$19.77	+
3"	\$56.00	\$153.00	\$81.42	+
4"	\$110.00	\$318.00	\$165.68	+
6"	\$201.00	\$588.00	\$300.29	+
8"	\$261.00	\$769.00	\$389.69	+
10"	\$380.00	\$1,126.00	\$568.10	+

COMMODITY CHARGE (2) - In addition to the Minimum Customer Charge, for all water used as registered by the meter the Commodity Charge is \$1.6531 per 100 cubic feet or \$2.2041 per 1,000 gallons.                      +

PAYMENT TERMS - Bills are net, and are due and payable within ten (10) days after date of bill.

\* Indicates new rate or text

+ Indicates change

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ISSUED BY: David P. Abernathy, Vice President, Corporate Counsel, and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

FORM 13                      P.S.C.MO.No. 6                      Thirteenth Revised                      SHEET No. RT 2.0  
Canceling                      P.S.C.MO.No. 6                      Twelfth Revised                      SHEET No. RT 2.0

MISSOURI-AMERICAN WATER COMPANY  
FOR  
JEFFERSON COUNTY, MISSOURI

RATE B-1  
PUBLIC WATER SUPPLY DISTRICT NO. 1 OF JEFFERSON COUNTY, MO.

AVAILABILITY - This rate is available to Public Water Supply District No. 1 of Jefferson County, MO, only, for supply of water for resale.

RATE - For all water used as registered by meter: (1)

\$0.9117 per 100 cubic feet	+
or	
\$1.2156 per 1,000 gallons	+

This rate is available to Public Water Supply District No. 1 of Jefferson County, MO, under the terms and conditions of the contract on file with the Missouri Public Service Commission.

PAYMENT TERMS - Bills are net, and are due and payable within ten (10) days after date of bill.

RULES AND REGULATIONS - The General Rules and Regulations set forth in this tariff shall govern the supply of service under this rate.

(1) Exclusive of every tax or payment imposed upon the Company by any political subdivision of the State of Missouri, for the right to do business in such political subdivision. See P. S. C. MO No. 6 Original Sheet No. RT 11.0.

\* Indicates new rate or text  
+ Indicates change

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FORM 13                      P.S.C.MO.No. 6                      Thirteenth Revised                      SHEET No. RT 2.1  
Canceling                      P.S.C.MO.No. 6                      Twelfth Revised                      SHEET No. RT 2.1

MISSOURI-AMERICAN WATER COMPANY  
FOR  
JEFFERSON COUNTY, MISSOURI

RATE B-2  
PUBLIC WATER SUPPLY DISTRICT NO. 3 OF JEFFERSON COUNTY, MO.

AVAILABILITY - This rate is available to Public Water Supply District No. 3 of Jefferson County, MO, only, for supply of water for resale.

RATE - For all water used as registered by meter: (1)

\$0.9117 per 100 cubic feet                      +  
or  
\$1.2156 per 1,000 gallons                      +

This rate is available to Public Water Supply District No. 3 of Jefferson County, MO, under the terms and conditions of the contract on file with the Missouri Public Service Commission.

PAYMENT TERMS - Bills are net, and are due and payable within ten (10) days after date of bill.

RULES AND REGULATIONS - The General Rules and Regulations set forth in this tariff shall govern the supply of service under this rate.

(1) Exclusive of every tax or payment imposed upon the Company by any political subdivision of the State of Missouri, for the right to do business in such political subdivision. See P. S. C. MO No. 6 Original Sheet No. RT 11.0.

\* Indicates new rate or text  
+ Indicates change

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ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

FORM 13  
Canceling

P.S.C.MO.No. 6  
P.S.C.MO.No. 6

Thirteenth Revised SHEET No. RT 2.2  
Twelfth Revised SHEET No. RT 2.2

MISSOURI-AMERICAN WATER COMPANY  
FOR  
JEFFERSON COUNTY, MISSOURI

RATE B-3  
PUBLIC WATER SUPPLY DISTRICT NO. 10 OF JEFFERSON COUNTY, MO.

AVAILABILITY - This rate is available to Public Water Supply District No. 10 of Jefferson County, MO, only, for supply of water for resale.

RATE - For all water used as registered by meter: (1)

\$0.9117 per 100 cubic feet	+
or	
\$1.2156 per 1,000 gallons	+

This rate is available to Public Water Supply District No. 10 of Jefferson County, MO, under the terms and conditions of the contract on file with the Missouri Public Service Commission.

PAYMENT TERMS - Bills are net, and are due and payable within ten (10) days after date of bill.

RULES AND REGULATIONS - The General Rules and Regulations set forth in this tariff shall govern the supply of service under this rate.

(1) Exclusive of every tax or payment imposed upon the Company by any political subdivision of the State of Missouri, for the right to do business in such political subdivision. See P. S. C. MO No. 6 Original Sheet No. RT 11.0.

\* Indicates new rate or text  
+ Indicates change

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ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

FORM 13

Canceling

P.S.C.MO.No. 6

P.S.C.MO.No. 6

Ninth Revised

SHEET No. RT 2.3

SHEET No. RT 2.3

MISSOURI-AMERICAN WATER COMPANY

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FORM 13

Canceling

P.S.C.MO.No. 6

P.S.C.MO.No. 6

SHEET No. RT 2.6

Twelfth Revised

SHEET No. RT 2.6

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Ballas Rd., St. Louis, MO 63141

FORM 13  
Canceling

P.S.C.MO.No. 6  
P.S.C.MO.No. 6

Eleventh Revised SHEET No. RT 4.0  
Tenth Revised SHEET No. RT 4.0

MISSOURI-AMERICAN WATER COMPANY  
FOR  
ST. LOUIS COUNTY, MISSOURI AND JEFFERSON COUNTY, MISSOURI

RATE D  
RATE FOR RESALE OF WATER BY CUSTOMERS - MEETING CERTAIN LOAD CRITERIA

AVAILABILITY: This rate is available only to a wholesale purchaser of water having another approved source of potable water for resale to its customers and the rates herein are predicated upon responsible use of this other supply of water, plus storage, to control peak day and hour demands on Company's system. Company will determine maximum withdrawal rate from each metering point using best available data.

RATE COMPONENTS:

METER CHARGE (A) - The charge for each month shall be based on the meter size or multiple meter sizes if more than one meter is installed as follows:

<u>Meter Size</u>	<u>Monthly Charge</u>	
5/8"	\$8.50	+
3/4"	\$8.70	+
1"	\$9.70	+
1-1/2"	\$14.00	+
2"	\$16.20	+
3"	\$56.00	+
4"	\$110.00	+
6"	\$201.00	+
8"	\$261.00	+
10"	\$280.00	+
12"	\$532.00	+

COMMODITY RATE (A) - In addition to the Meter Charge, for all water used as registered by the meter the Commodity Charge is:

REGULAR RATE:	\$ 0.8000 per hundred cubic feet or \$1.0667 per thousand gallons	+
1st ALTERNATE RATE:	\$ 0.9117 per hundred cubic feet or \$1.2156 per thousand gallons	
2nd ALTERNATE RATE	\$ 0.9768 per hundred cubic feet or \$1.3024 per thousand gallons	

USAGE RATE LIMITATIONS:

- 1) Customers "base load" shall be calculated as the daily average of water purchased from St. Louis County Water Company during the previous 12 monthly billing periods. Each metering point will be calculated separately.

\* Indicates new rate or text  
+ Indicates change

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FORM 13  
Canceling

P.S.C.MO.No. 6  
P.S.C.MO.No. 6

Thirteenth Revised SHEET No. RT 5.2  
Twelfth Revised SHEET No. RT 5.2

MISSOURI-AMERICAN WATER COMPANY  
FOR  
ST. LOUIS COUNTY, MISSOURI AND JEFFERSON COUNTY, MISSOURI

RATE E-3  
FIRE PROTECTION RATES - OTHER

AVAILABILITY - This rate is available for fire hydrants on public streets and highways in unincorporated areas not within the boundaries of Fire Districts where there are water mains six inches or more in diameter.

CONSTRUCTION PROVISION - Expense of installation of hydrants will be borne by Water Company, if interested parties who own and occupy their homes in such areas will contract with the Water Company for fire hydrant service, either as individuals or through the proper officers of an Association, and pay hydrant service charge in advance for the balance of the current calendar year.

RATE - (1)

For each fire hydrant, per year \$288.92. +

BILLING -

Billing will be rendered quarterly in advance.

PAYMENT TERMS -

Bills are net, and are due and payable within ten (10) days after date of bill.

RULES AND REGULATIONS - The General Rules and Regulations set forth in this tariff shall govern the supply of service under this rate.

(1) Exclusive of every tax or payment imposed upon the Company by any political subdivision of the State of Missouri, for the right to do business in such political subdivision. See P. S. C. MO No. 6 Original Sheet No. RT 11.0.

\* Indicates new rate or text

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FORM 13  
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P.S.C.MO.No. 6  
P.S.C.MO.No. 6

Twelfth Revised  
Eleventh Revised

SHEET No. RT 6.0  
SHEET No. RT 6.0

MISSOURI-MERICAN WATER COMPANY  
FOR  
ST. LOUIS COUNTY, MISSOURI AND JEFFERSON COUNTY, MISSOURI

RATE F  
PRIVATE FIRE PROTECTION

AVAILABILITY - This rate is available for fire protection on private property.

CONSTRUCTION PROVISION - The expense of installation will be borne by the customer requesting such service.

RATE (1) - Customer with unmetered fire protection will be billed at the following rates based upon the tap size in the Water Company's main (tap size for multiples of smaller taps for one line shall be the equivalent connection had a single tap been used) :

<u>Tap Size</u>	<u>Annual Rate</u>
2" or less	\$21.92
4"	\$87.52
6"	\$196.92
8"	\$350.12
10"	\$547.08
12"	\$787.88

Charges for Private Fire Protection for larger than 12" taps must be individually negotiated with the Water Company.

DETECTOR CHECK METERS - In addition to the tap size charge, fire lines with detector check meters will be billed as follows: (1)

For all water used as registered by the meter the Commodity Charge is the same as the Rate A Commodity Charge shown on Sheet No. RT 1.0.

Minimum Charge - The following charges must be paid on all detector check meters in addition to the Commodity Charge:

<u>Meter Size</u>	<u>Monthly Charge</u>
5/8"	\$9.20
3/4"	\$9.92
1"	\$11.36
1-1/2"	\$14.95
2"	\$19.25
3"	\$30.73
4"	\$43.64
6"	\$79.53

\* Indicates new rate or text

+ Indicates change

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FORM 13  
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P.S.C.MO.No. 6

Thirteenth Revised SHEET No. RT 7.0  
Twelfth Revised SHEET No. RT 7.0

MISSOURI-AMERICAN WATER COMPANY  
FOR  
ST. LOUIS COUNTY, MISSOURI AND JEFFERSON COUNTY, MISSOURI

RATE J

RATE FOR MANUFACTURERS AND LARGE QUANTITY USERS OF WATER

AVAILABILITY - This rate is available to Manufacturers and Large Quantity Users of Water whose usage throughout the year is not less than 60,000 cubic feet or 450,000 gallons per month. \*

This rate is not available to users of water for domestic purposes as defined under Tariff Rate A, or for irrigation, construction, or resale purposes.

RATE COMPONENTS:

METER CHARGE (1) - The charge for each month shall be based on the meter size or multiple meter sizes if more than one meter is installed as follows:

<u>Meter Size</u>	<u>Monthly Billing</u>	
5/8"	\$8.50	+
3/4"	\$8.70	+
1"	\$9.70	+
1 1/2"	\$14.00	+
2"	\$16.20	+
3"	\$56.00	+
4"	\$110.00	+
6"	\$201.00	+
8"	\$261.00	+
10"	\$380.00	+
12"	\$532.00	+

COMMODITY RATE (1) - In addition to the Meter Charge, for all water used as registered by the meter the Commodity Charge is \$0.8195 per 100 cubic feet or \$1.0927 per 1,000 gallons. +

MINIMUM USAGE CHARGE (1) - in addition to the Meter Charge, a monthly usage charge for any month shall be equal to the commodity rate, times the greater of 1) 60% of the maximum usage during any of the months of June, July, August, or September in the twelve (12) month period preceding the month for which the bill is to be rendered or 2) 60,000 cubic feet or 450,000 gallons or 3) actual usage as registered by the meter.

(1) Exclusive of every tax or payment imposed upon the Company by any political subdivision of the State of Missouri, for the right to do business in such political subdivision. See P. S. C. MO No. 6 Original Sheet No. RT 11.0.

\* Indicates new rate or text  
+ Indicates change

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ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

MISSOURI-AMERICAN WATER COMPANY  
 FOR  
ST. LOUIS COUNTY, MISSOURI AND JEFFERSON COUNTY, MISSOURI

RATE K  
CONSTRUCTION RATE

The following rates are available for construction purposes.

RATE COMPONENTS:

MINIMUM CUSTOMER CHARGE (2) - The minimum charge for water service available through the facilities of the Company for the billing period and for the meter size furnished the customer is:

<u>Meter Size</u>	<u>(KM) Monthly Billing</u>	<u>(KQ) Quarterly Billing</u>	<u>Prorated Service Charge (3)</u>	
5/8"	\$8.50 (1)	\$12.20 (1)	\$9.30	+
3/4"	\$8.70 (1)	\$13.00 (1)	\$9.24	+
1"	\$9.70 (1)	\$16.00 (1)	\$10.42	+
1-1/2"	\$14.00	\$28.70	\$16.93	+
2"	\$16.20	\$35.30	\$19.77	+
3"	\$56.00	\$153.00	\$81.42	+
4"	\$110.00	\$318.00	\$165.68	+
6"	\$201.00	\$588.00	\$300.29	+
8"	\$261.00	\$769.00	\$389.69	+
10"	\$380.00	\$1,126.00	\$568.10	+
12"	\$532.00	\$1,582.00	\$796.38	+

COMMODITY CHARGE (2) - In addition to the Minimum Customer Charge, for all water used as registered by the meter above the water allowance the Commodity Charge is \$1.6531 per 100 cubic feet or \$2.2041 per 1,000 gallons. +

PAYMENT TERMS - Bills are net, and are due and payable within ten (10) days after date of bill.

RULES AND REGULATIONS - The General Rules and Regulations set forth in this tariff shall govern the supply of service under this rate.

(1) See Rate W for additional Remote Meter Reading Service charges. See P. S. C. MO No. 6, First Revised Sheet No. RT 10.0 and Original Sheet RT 10.0 (a)

(2) Exclusive of every tax or payment imposed upon the Company by any political subdivision of the State of Missouri, for the right to do business in such political subdivision. See P. S. C. MO No. 6 Original Sheet No. RT 11.0.

(3) See Rule 4.0 for prorated bills.

\* Indicates new rate or text

+ Indicates change

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FORM 13

Canceling

P.S.C.MO.No. 6

P.S.C.MO.No. 6

Twelfth Revised

SHEET No. RT 9.0

SHEET No. RT 9.0

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St. Louis, MO 63141

FORM 13

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P.S.C.MO.No. 6

SHEET No. RT 9.0(a)

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St. Louis, MO 63141



FORM 13  
Canceling

P.S.C.MO.No. 6  
P.S.C.MO.No. 6

Thirteenth Revised SHEET No. RT 5.1  
Twelfth Revised SHEET No. RT 5.1

MISSOURI-AMERICAN WATER COMPANY  
FOR  
ST. LOUIS COUNTY, MISSOURI AND JEFFERSON COUNTY, MISSOURI

RATE E-2  
PUBLIC FIRE HYDRANT SERVICE CHARGE - UNINCORPORATED AREAS IN  
FIRE DISTRICTS

APPLICABILITY - This Public Fire Protection Service Charge shall apply to all active Rate A and J water customers located in unincorporated sections of fire districts.

MONTHLY CHARGE - A monthly public fire hydrant service charge shall be computed in accordance with the following formula: +

$$\text{Monthly Charge (1)} = \frac{(N \times R)}{A \times 12} \quad +$$

Where within city, town or village:

N = Number of Public Fire Hydrants at date of determination.

R = Annual Service Charge of \$288.92 per fire hydrant. +

A = Number of Active Rate A and J customers at date of determination.

BILLING - Billing will be rendered either quarterly or monthly in advance, consistent with the billing period for regular water service. Billing for this service shall be in addition to charges for regular water service. For each new active customer billing shall start with the first billing period. Customers terminating service within a billing period shall not be entitled to a refund of any part of a previously paid fire hydrant charge.

PAYMENT TERMS - Bills are net, and are due and payable within ten (10) days after date of bill. In all cases of nonpayment of the public fire hydrant service charge, water service may be discontinued in accordance with the provisions of Rule 2.3.

ADJUSTMENT of fire hydrant service charge. The monthly fire hydrant service charge shall be adjusted annually on March 1 of each year, based on December 31 data of the previous year or, at its option, the Company may recompute the monthly service charge at any time to reflect changes in number of customers or fire hydrants that results in a variation of \$0.01 or more in the monthly charge. +

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE May 19, 2003 DATE EFFECTIVE June 18, 2003  
ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

MISSOURI-AMERICAN WATER COMPANY  
FOR  
ST. LOUIS COUNTY, MISSOURI AND JEFFERSON COUNTY, MISSOURI

RATE E-1  
PUBLIC FIRE HYDRANT SERVICE - CITIES, TOWNS, VILLAGES

APPLICABILITY - This Public Fire Protection Service Charge shall apply to all active Rate A and J water customers located in incorporated cities, towns and villages.

MONTHLY CHARGE - A monthly public fire hydrant service charge shall be computed in accordance with the following formula: +

$$\text{Monthly Charge (1)} = \frac{(N \times R)}{A \times 12} \quad +$$

Where within city, town or village:

N = Number of Public Fire Hydrants at date of determination.

R = Annual Service Charge of \$288.92 per fire hydrant. +

A = Number of Active Rate A and J customers at date of determination.

BILLING - Billing will be rendered either quarterly or monthly in advance, consistent with the billing period for regular water service. Billing for this service shall be in addition to charges for regular water service. For each new active customer billing shall start with the first billing period. Customers terminating service within a billing period shall not be entitled to a refund of any part of a previously paid fire hydrant charge.

PAYMENT TERMS - Bills are net, and are due and payable within ten (10) days after date of bill. In all cases of nonpayment of the public fire hydrant service charge, water service may be discontinued in accordance with the provisions of Rule 2.3.

ADJUSTMENT of fire hydrant service charge. The monthly fire hydrant service charge shall be adjusted annually on March 1 of each year, based on December 31 data of the previous year or, at its option, the Company may recompute the monthly service charge at any time to reflect changes in number of customers or fire hydrants that results in a variation of \$0.01 or more in the monthly charge. +

\* Indicates new rate or text

+ Indicates change

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ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

MISSOURI-AMERICAN WATER COMPANY FOR CITY OF WARRENSBURG AND ADJACENT AREAS  
NAME OF ISSUING CORPORATION COMMUNITY, TOWN OR CITY**WATER SERVICE SCHEDULE NO. 1  
METERED SERVICE**Availability

Available for any metered customer located on Company mains suitable for supplying the service requested.

Volumetric Rate**Residential****Monthly**Water Usage Rate Per 1,000 Gallons

For All \$2.0600

Water Usage Rate Per CCF

For All \$1.5450

**Commercial****Monthly**Water Usage Rate Per 1,000 Gallons

For the first 100,000 gallons \$2.0600

For all over \$1.3100

Water Usage Rate Per CCF

For the first 134 CCF \$1.5450

For all over \$0.9825

<u>Water Usage Rate per 1,000 Gallons</u>		<u>Industrial</u>	<u>Public Authority</u>	<u>Sale for Resale</u>
Monthly				
For the first	100,000	\$2.0600	\$2.0600	\$2.0600
For the next	1,900,000	1.3100	1.3100	2.0600
For the next	3,000,000	1.3100	1.3100	1.5000
For all over		1.0000	1.3100	1.5000
<u>Water Usage Rate Per CCF</u>				
For the first	134	1.5450	1.5450	1.5450
For the next	2,533	0.9825	0.9825	1.5450
For the next	4,000	0.9825	0.9825	1.1250
For all over		0.7500	0.9825	1.1250

**Monthly Minimum Charge**

<u>Meter Size</u>	<u>Monthly Charge</u>	<u>Meter Size</u>	<u>Monthly Charge</u>
5/8"	\$8.5000	3"	\$72.0000
3/4"	10.9000	4"	118.0000
1"	15.4000	6"	232.0000
1 1/2"	26.8000	8"	368.0000
2"	40.5000	10"	625.0000
		12"	1,032.0000

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

Billing

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE May 19, 2003  
month day yearDATE EFFECTIVE June 18, 2003  
month day yearISSUED BY: David P. Abernathy, Vice President,  
Corporate Counsel and Secretary  
Name of Officer, Title535 N. New Ballas Road  
St. Louis, MO 63141  
Address

MISSOURI-AMERICAN WATER COMPANY FOR CITY OF WARRENSBURG AND ADJACENT AREAS  
NAME OF ISSUING CORPORATION COMMUNITY, TOWN OR CITY**WATER SERVICE SCHEDULE NO. 2  
PRIVATE FIRE PROTECTION****HYDRANTS**Availability

Available for hydrants that are placed on private property and attached to public mains.

RateMonthly Charge

Per private hydrant \$80.69

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

Billing

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE May 19, 2003  
month day yearDATE EFFECTIVE June 18, 2003  
month day yearISSUED BY: David P. Abernathy, Vice President,  
Corporate Counsel and Secretary  
Name of Officer, Title535 N. New Ballas Road  
St. Louis, MO 63141  
Address

MISSOURI-AMERICAN WATER COMPANY FOR CITY OF WARRENSBURG AND ADJACENT AREAS  
NAME OF ISSUING CORPORATION COMMUNITY, TOWN OR CITY**WATER SERVICE SCHEDULE NO. 2  
PRIVATE FIRE PROTECTION CONT'D****FIRE LINES****Availability**

For fire protection systems installed on private property. Expense of the installations will be borne by the customer. If, in the opinion of the Company, a detector check meter is needed, the cost shall be a part of the installation. If a detector check meter has to be added to an existing service not having the check meter, the cost will be paid by the customer.

**Rate****Monthly Charge**

Fire outlet or connection size

2"	\$ 11.57
3"	19.87
4"	31.53
6"	64.66
8"	111.26
10"	171.01
12"	243.83

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

**Billing**

Bills for water service will be distributed on a monthly basis. The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations.

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE May 19, 2003  
month day yearDATE EFFECTIVE June 18, 2003  
month day yearISSUED BY: David P. Abernathy, Vice President,  
Corporate Counsel and Secretary  
Name of Officer, Title535 N. New Ballas Road  
St. Louis, MO 63141  
Address

MISSOURI-AMERICAN WATER COMPANY  
FOR  
CITY OF WARRENSBURG AND ADJACENT AREAS

PUBLIC FIRE HYDRANT SERVICE

APPLICABILITY - This Public Fire Protection Service Charge shall apply to all active residential, commercial, industrial, and public authority water customers. \*

MONTHLY CHARGE - A monthly public fire hydrant service charge shall be computed in accordance with the following formula: \*

$$\text{Monthly Charge} = \frac{(N \times R)}{(A \times 12)}$$

Where:

N = Number of Public Fire Hydrants at date of determination. \*

R = Annual Service Charge of \$389.39 per fire hydrant. \*

A = Number of active residential, commercial, industrial, and public authority customers at date of determination. \*

These rates do not include any municipal, state or federal taxes computed on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill. \*

BILLING - Billing will be rendered monthly in advance, consistent with the billing period for regular water service. Billing for this service shall be in addition to charges for regular water service. For each new active customer billing shall start with the first billing period. Customers terminating service within a billing period shall not be entitled to a refund of any part of a previously paid fire hydrant charge. \*

The due date on the tariff shall be ten (10) days after the "date of rendition" of the bill to the customer. The customer's bill will be due and payable after this due date. The delinquent date printed on the bill will not be less than twenty-one (21) days after the date of the postmark of the bill. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as specified in its filed rules and regulations. \*

ADJUSTMENT of fire hydrant service charge. The monthly fire hydrant service charge shall be adjusted annually on March 1 of each year, based on December 31 data of the previous year or, at its option, the Company may recompute the monthly service charge at any time to reflect changes in number of customers or fire hydrants that results in a variation of \$0.01 or more in the monthly charge. \*

\* Indicates new rate or text

+ Indicates change

DATE OF ISSUE May 19, 2003 DATE EFFECTIVE June 18, 2003

ISSUED BY David P. Abernathy, Vice President, Corporate Counsel and Secretary, 535 N. New Ballas Rd., St. Louis, MO 63141

MISSOURI-AMERICAN WATER COMPANY FOR CITY OF BRUNSWICK, MEXICO, WARRENSBURG AND ADJACENT AREAS  
NAME OF ISSUING CORPORATION AND CERTIFICATED AREAS IN ST. CHARLES AND PLATTE COUNTIES  
COMMUNITY, TOWN, OR CITY

Rules and Regulations Governing Rendering  
of Water Service

Rule 4 SERVICE CONNECTIONS – YEARLY SERVICE (Cont.)

- (g) No substantial addition to the water using equipment or appliances connected to the water system of the Company shall be made except upon written notice to, and with the written consent of, the Company.
- (h) Any complaint against the service or employees of the Company should be made at an office of the Company and preferably in writing.
- (i) The Company shall not be obliged to install a service connection until the Customer's water service meets existing plumbing codes and Company specifications.
- (j) The Company will locate the point to which service connection will be made and will furnish and run the service pipe to the customer's property line. Company will own, maintain, and replace, when necessary, all service connections (see Rule 2 f).
- (k) If the ownership of the service connection is unknown, the Company will maintain such service and will replace, when necessary, and will own, operate and maintain such replacement (see Rule 3 c).
- (l) The Customer's water service from the service box to the Customer's building shall be installed by and at the expense of the Customer. A Customer's water service shall not be used to supply more than a single premise without the consent of the Company (see Rule 2 g).
- (m) For service at a new location, applicant shall pay, in advance, a service connection charge as follows:

3/4" Single Meter Service Connection	\$552	+
3/4" Dual Meter Service Connection (with 1" service line)	\$778	+

If one side of a dual connection is used, customer shall pay only one-half of the \$778 charge, or \$389. For a service larger than 3/4", the service connection shall be equal to the cost of installing a meter and service connection. The tax impact referenced in the Company's tariffs on Sheets 40 and 41 will be added to the above charge.

\*Indicates new rate or text  
+Indicates change

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ISSUED BY:	David P. Abernathy, Vice President, Corporate Counsel and Secretary Name of Officer, Title		535 N. New Ballas Road St. Louis, MO 63141 Address

FORM NO. 13

P.S.C. MO. NO. 2

CANCELLING

(3rd REVISED)

(2nd REVISED)

SHEET NO. 4

SHEET NO. 4

MISSOURI-AMERICAN WATER COMPANY  
NAME OF ISSUING CORPORATIONFOR CERTIFIED AREAS IN PLATTE COUNTY, MISSOURI  
COMMUNITY, TOWN OR CITY**SEWER SERVICE**Availability

Availability to any sewer customer located on Company's collecting mains suitable for supplying the service requested.

Rate

Single-family Residential Service. \$42.29 per month

These rates do not include any municipal, state or federal taxes compute on either billing or consumption basis. Any such taxes applicable shall be added as separate items in rendering each bill.

Billing

Bills will be distributed at monthly intervals and due for payment at the net rate for a period of twenty-one (21) days following mailing to the customer. Any accounts remaining unpaid at the expiration of twenty-one (21) days shall be considered delinquent and the Company may take such action as is specified in its filed rules and regulations.

\* Indicates new rate or text

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