

Missouri American Water

WR-2017-0285

Water Rates Based on \$318M Total Revenue Requirement

| | | | | |
|----|---|----------------------|---------------------|----------------------|
| 1 | Total Stipulation Revenue Requirement | \$318,000,000 | | |
| 2 | Add: Lead Service Lines | 256,160 | | |
| 3 | Less: Sewer Revenue Requirement | (10,332,689) | | |
| 4 | Water Revenue Requirement | \$307,923,471 | | |
| 5 | | | | |
| 6 | Staff Class Cost of Service Results | STL | Other MO | Total |
| 7 | Staff CCOS Water Revenue Requirement | \$212,093,108 | \$95,574,202 | \$307,667,311 |
| 8 | Add: Lead Service Lines | 247,601 | 8,559 | 256,160 |
| 9 | Less: Private Fire | (2,679,016) | (2,253,824) | (4,932,840) |
| 10 | Less: Special Contracts and Misc. Fees | (3,630,841) | (5,751,280) | (9,382,120) |
| 11 | Total Revenues to be Collected in Rates | \$206,030,853 | \$87,577,657 | \$293,608,511 |
| 12 | | | | |
| 13 | Staff Class Cost of Service - by Tariff | | | |
| 14 | Rate A | \$194,983,761 | \$75,602,446 | \$270,586,207 |
| 15 | Rate J | 7,906,028 | 7,618,684 | 15,524,712 |
| 16 | Rate B | 3,141,065 | 4,356,527 | 7,497,592 |
| 17 | Total Revenues to be Collected in Rates | \$206,030,853 | \$87,577,657 | \$293,608,511 |
| 18 | | | | |
| 19 | Calculated Tariffs | STL | Other MO | Total |
| 20 | Fixed Charge Billing Determinants | | | |
| 21 | Rate A | \$40,988,816 | \$15,363,897 | \$56,352,713 |
| 22 | Rate J | 431,072 | 147,582 | 578,654 |
| 23 | Rate B | 0 | 48,334 | 48,334 |
| 24 | Total Fixed Charges | \$41,419,888 | \$15,559,814 | \$56,979,702 |
| 25 | | | | |
| 26 | Revenues to be Collected in Volumetric Rates | | | |
| 27 | Rate A | \$153,994,945 | \$60,238,548 | \$214,233,493 |
| 28 | Rate J | 7,474,956 | 7,471,102 | 14,946,058 |
| 29 | Rate B | 3,141,065 | 4,308,193 | 7,449,258 |
| 30 | Total Revenue to be Collected in Volumetric Rates | \$164,610,965 | \$72,017,844 | \$236,628,809 |
| 31 | | | | |
| 32 | Volumetric Billing Determinants (thousand gallons) | | | |
| 33 | Rate A | 32,207,358 | 9,643,033 | 41,850,391 |
| 34 | Rate J | 4,227,969 | 2,642,963 | 6,870,933 |
| 35 | Rate B | 1,609,828 | 1,234,097 | 2,843,925 |
| 36 | Total Volumetric Billing Determinants | 38,045,155 | 13,520,094 | 51,565,249 |
| 37 | | | | |
| 38 | Volumetric Rate (\$ per 1,000 gallons) | | | |
| 39 | Rate A | \$4.7814 | \$6.2469 | \$5.1190 |
| 40 | Rate J | \$1.7680 | \$2.8268 | \$2.1753 |
| 41 | Rate B | \$1.9512 | \$3.4910 | \$2.6194 |

Notes: 1) CCOS is Staff's Calculation, 2) Billing determinants per Attachment A of Stipulation & Agreement

| | |
|--------|---------------------|
| \$9.00 | 5/8" Meter Charge |
| No | Scale All Meters? |
| 5 | Volumetric Decimals |

| Revenue Check | |
|---------------------------|-------------|
| Total Revenue Generated: | 307,923,437 |
| Water Revenue Requirement | 307,923,471 |
| Difference | (34) |

AUDIT CHECK TO MAKE SURE NOTHING CHANGES FROM FILED RATES

| | | | | | |
|----------|----------|----------|----|----|----|
| \$4.7814 | \$6.2469 | | OK | OK | |
| \$1.7680 | \$2.8268 | | OK | OK | |
| | | \$2.6194 | | | OK |