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	h	

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				

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	10				
21 Rate A \$40,988,816 \$15,363,897 \$56,352,713 22 Rate J 431,072 147,582 578,654 23 Rate J 0 48,334 48,334 24 Total Fixed Charges \$41,419,888 \$15,559,814 \$56,979,702 25	19	Calculated Tariffs	STL	Other MO	Total
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 A \$153,994,945 \$60,238,548 \$2214,233,493 28 Rate J 7,474,956 7,471,102 14,946,058 29 Rate A \$1,141,065 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 Volumetric Billing Determinants (thousand gallons) 32 Volumetric Billing Determinants \$2,207,358 9,643,033 41,850,391 33 Rate A \$2,207,358 9,643,033 41,850,391 34 Rate B	20	Fixed Charge Billing Determinants			
23 Rate B 0 48,334 48,334 24 Total Fixed Charges \$41,419,888 \$15,559,814 \$56,979,702 25	21	Rate A	\$40,988,816	\$15,363,897	\$56,352,713
24 Total Fixed Charges \$41,419,888 \$15,559,814 \$56,979,702 25 Revenues to be Collected in Volumetric Rates 200	22	Rate J	431,072	147,582	578,654
25 26 Revenues to be Collected in Volumetric Rates 26 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 Rate B 32,207,358 9,643,033 41,850,391 32 Volumetric Billing Determinants (thousand gallons) 4 22,207,358 9,643,033 41,850,391 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 A 38,045,155 13,520,094 51,565,249 37 Volumetric Billing Determinants 38,045,155 13,520,094 51,565,249 38 Volumetric Rate (\$ per 1,000 gallons) 2 2 32,32,32,32,32,32,32,32,32,32,32,32,32,3	23	Rate B	0	48,334	48,334
Revenues to be Collected in Volumetric Rates Rate A \$153,994,945 \$60,238,548 \$214,233,493 Rate A \$17,474,956 7,471,102 14,946,058 Rate B 3,141,065 4,308,193 7,449,258 Total Revenue to be Collected in Volumetric Rates \$164,610,965 \$72,017,844 \$226,628,809 Volumetric Billing Determinants (thousand gallons) - - - Rate A 32,207,358 9,643,033 41,850,391 Rate B 1,609,828 1,234,097 2,843,925 Total Volumetric Billing Determinants 38,045,155 13,520,094 51,565,249 Total Volumetric Billing Determinants 38,045,155 13,520,094 51,565,249 Rate A \$4,7814 \$6,2469 \$5,1190 Rate A \$4,7814 \$6,2469 \$5,1190 Rate A \$4,7814	24	Total Fixed Charges	\$41,419,888	\$15,559,814	\$56,979,702
Volumetric Billing Determinants (thousand gallons) \$238,248 \$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 \$236,628,809 \$236,628,809 32 Volumetric Billing Determinants (thousand gallons) \$236,628,809 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 51,565,249 37 51,565,249 38 Kate A	25				
Z8 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 Volumetric Billing Determinants (thousand gallons)	26	Revenues to be Collected in Volumetric Rates			
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 Volumetric Billing Determinants (thousand gallons) 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 Volumetric Rate (\$ per 1,000 gallons) 38 Volumetric Rate (\$ per 1,000 gallons) 51,7680 \$52,8268 \$52,1753 39 Rate A \$4,7814 \$6,2469 \$51,190 \$2,1758 \$2,1758	27	Rate A	\$153,994,945	\$60,238,548	\$214,233,493
Total Revenue to be Collected in Volumetric Rates \$164,610,965 \$72,017,844 \$236,628,809 Volumetric Billing Determinants (thousand gallons)	28	Rate J	7,474,956	7,471,102	14,946,058
Volumetric Billing Determinants (thousand gallons) 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	29	Rate B	3,141,065	4,308,193	7,449,258
Volumetric Billing Determinants (thousand gallons) Image: Constraint of the system of th	30	Total Revenue to be Collected in Volumetric Rates	\$164,610,965	\$72,017,844	\$236,628,809
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	31				
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 Volumetric Rate (\$ per 1,000 gallons) 51 51,565,249 51,352,094 38 Volumetric Rate (\$ per 1,000 gallons) 51,565,249 51,565,249 39 Rate A \$4,7814 \$6,2469 \$5,1190 40 Rate J \$1,7680 \$2,8268 \$2,1753	32	Volumetric Billing Determinants (thousand gallons)			
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 Volumetric Rate (\$ per 1,000 gallons) 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	33	Rate A	32,207,358	9,643,033	41,850,391
36 Total Volumetric Billing Determinants 38,045,155 13,520,094 51,565,249 37	34	Rate J	4,227,969	2,642,963	6,870,933
37 37 38 Volumetric Rate (\$ per 1,000 gallons) 39 Rate A 40 Rate J \$1.7680 \$2.8268 \$2.1753	35	Rate B	1,609,828	1,234,097	2,843,925
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	36	Total Volumetric Billing Determinants	38,045,155	13,520,094	51,565,249
39 Rate A \$4.7814 \$6.2469 \$5.1190 40 Rate J \$1.7680 \$2.8268 \$2.1753	37				
40 Rate J \$1.7680 \$2.8268 \$2.1753	38	Volumetric Rate (\$ per 1,000 gallons)			
	39	Rate A	\$4.7814	\$6.2469	\$5.1190
41 Rate B \$1.9512 \$3.4910 \$2.6194	40	Rate J	\$1.7680	\$2.8268	\$2.1753
	41	Rate B	\$1.9512	\$3.4910	\$2.6194

\$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

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