

Missouri American Water
WR-2017-0285

Monthly 5/8 Meter Charge = \$9.00

Water Rates Based on \$318M Total Revenue Requirement

1	Total Stipulation Revenue Requirement	318,000,000			
2	Less: Sewer Revenue Requirement	(10,332,702)			
3	Water Revenue Requirement	307,667,298			
4					
5	Staff Class Cost of Service Results	District 1	District 2	District 3	Consolidated
6	Staff CCOS Water Revenue Requirement	\$240,353,266	\$35,985,451	\$31,328,581	\$307,667,298
7	Less: Private Fire	(3,044,336)	(891,583)	(996,921)	(4,932,840)
8	Less: Special Contracts and Misc. Fees	(6,694,211)	(1,040,187)	(1,432,804)	(9,167,202)
9	Total Revenues to be Collected in Rates	\$230,614,719	\$34,053,681	\$28,898,856	\$293,567,256
10					
11	Staff Class Cost of Service - by Tariff				
12	Rate A	\$218,778,738	\$26,458,786	\$24,861,634	\$270,099,158
13	Rate J	8,227,652	4,683,877	2,723,776	15,635,305
14	Rate B	3,528,868	2,906,147	1,141,446	7,576,461
15	Total Revenues to be Collected in Rates	\$230,535,258	\$34,048,810	\$28,726,856	\$293,310,924
16					
17	Scenario 1 - No Change to Customer Fixed Charge	District 1	District 2	District 3	Consolidated
18	Fixed Charge Billing Determinants				
19	Rate A	\$44,758,040	\$7,805,759	\$8,310,890	\$60,874,689
20	Rate J	693,605	105,093	88,660	887,358
21	Rate B	8,376	38,955	26,785	74,115
22	Total Fixed Charges	\$45,460,021	\$7,949,806	\$8,426,335	\$61,836,162
23					
24	Revenues to be Collected in Volumetric Rates				
25	Rate A	\$174,020,698	\$18,653,027	\$16,550,744	\$209,224,469
26	Rate J	7,534,047	4,578,784	2,635,116	14,747,947
27	Rate B	3,520,492	2,867,192	1,114,661	7,502,346
28	Total Revenue to be Collected in Volumetric Rates	\$185,075,237	\$26,099,004	\$20,300,521	\$231,474,762
29					
30	Volumetric Billing Determinants (thousand gallons)				
31	Rate A	35,874,400	2,995,863	3,023,788	41,894,052
32	Rate J	4,537,046	1,382,047	951,839	6,870,933
33	Rate B	1,645,391	843,338	355,196	2,843,924
34	Total Volumetric Billing Determinants	42,056,837	5,221,248	4,330,824	51,608,909
35					
36	Volumetric Rate (\$ per 1,000 gallons)				
37	Rate A	\$4.8508	\$6.2263	\$5.4735	\$4.9941
38	Rate J	\$1.6606	\$3.3130	\$2.7685	\$2.1464
39	Rate B	\$2.1396	\$3.3998	\$3.1382	\$2.6380
40					
41	Scenario 2 - Company Proposed Fixed Charge	District 1	District 2	District 3	Consolidated
42	Fixed Charge Billing Determinants				
43	Rate A	\$46,582,071	\$4,729,480	\$5,041,163	\$56,352,713
44	Rate J	452,411	68,541	57,702	578,654
45	Rate B	5,464	25,398	17,472	48,334
46	Total Fixed Charges	\$47,039,946	\$4,823,419	\$5,116,337	\$56,979,702
47					
48	Revenues to be Collected in Volumetric Rates				
49	Rate A	\$172,196,667	\$21,729,306	\$19,820,471	\$213,746,445
50	Rate J	7,775,241	4,615,336	2,666,074	15,056,651
51	Rate B	3,523,404	2,880,749	1,123,974	7,528,127
52	Total Revenue to be Collected in Volumetric Rates	\$183,495,312	\$29,225,391	\$23,610,519	\$236,331,222
53					
54	Volumetric Billing Determinants (thousand gallons)				
55	Rate A	35,874,400	2,995,863	3,023,788	41,894,052
56	Rate J	4,537,046	1,382,047	951,839	6,870,933
57	Rate B	1,645,391	843,338	355,196	2,843,924
58	Total Volumetric Billing Determinants	42,056,837	5,221,248	4,330,824	51,608,909
59					
60	Volumetric Rate (\$ per 1,000 gallons)				
61	Rate A	\$4.8000	\$7.2531	\$6.5549	\$5.1021
62	Rate J	\$1.7137	\$3.3395	\$2.8010	\$2.1914
63	Rate B	\$2.1414	\$3.4159	\$3.1644	\$2.6471

Notes: 1) CCOS is Staff's Calculation, 2) Billing determinants per Attachment A of Stipulation & Agreement, 3) Adjustments to Special Contracts are still being finalized

Missouri American Water
Rate A - Settlement Rates
WR-2017-0285

Monthly 5/8 Meter Charge = \$9.00

	Current	Keep Fixed	Chg Fixed
5/8" Monthly	\$15.33	\$15.33	\$9.00
5/8" Quarterly	\$22.35	\$22.35	\$27.00
Rate A - District 1	\$4,1398	\$4,8508	\$4,8000
Rate A - District 2	\$4,7378	\$6,2263	\$7,2531
Rate A - District 3	\$3,7424	\$5,4735	\$6,5549
Rate A - Consolidated		\$4,9941	\$5,1021

District 1 - Rate A Monthly													
Monthly Usage	Current Rate	Current 3 Water Districts						Consolidated Pricing					
		No Change to Fixed Charge			Change to Fixed Charge			No Change to Fixed Charge			Change to Fixed Charge		
		New	\$ Chg	% Chg	New	\$ Chg	% Chg	New	\$ Chg	% Chg	New	\$ Chg	% Chg
1,000	19.47	20.18	0.71	3.7%	13.80	(5.67)	(29.1%)	20.32	0.85	4.4%	14.10	(5.37)	(27.6%)
2,000	23.61	25.03	1.42	6.0%	18.60	(5.01)	(21.2%)	25.32	1.71	7.2%	19.20	(4.41)	(18.7%)
3,000	27.75	29.88	2.13	7.7%	23.40	(4.35)	(15.7%)	30.31	2.56	9.2%	24.31	(3.44)	(12.4%)
4,000	31.89	34.73	2.84	8.9%	28.20	(3.69)	(11.6%)	35.31	3.42	10.7%	29.41	(2.48)	(7.8%)
5,000	36.03	39.58	3.56	9.9%	33.00	(3.03)	(8.4%)	40.30	4.27	11.9%	34.51	(1.52)	(4.2%)
6,000	40.17	44.43	4.27	10.6%	37.80	(2.37)	(5.9%)	45.29	5.13	12.8%	39.61	(0.56)	(1.4%)
7,000	44.31	49.29	4.98	11.2%	42.60	(1.71)	(3.9%)	50.29	5.98	13.5%	44.71	0.41	0.9%
8,000	48.45	54.14	5.69	11.7%	47.40	(1.05)	(2.2%)	55.28	6.83	14.1%	49.82	1.37	2.8%
9,000	52.59	58.99	6.40	12.2%	52.20	(0.39)	(0.7%)	60.28	7.69	14.6%	54.92	2.33	4.4%
10,000	56.73	63.84	7.11	12.5%	57.00	0.27	0.5%	65.27	8.54	15.1%	60.02	3.29	5.8%
11,000	60.87	68.69	7.82	12.8%	61.80	0.93	1.5%	70.27	9.40	15.4%	65.12	4.25	7.0%
12,000	65.01	73.54	8.53	13.1%	66.60	1.59	2.4%	75.26	10.25	15.8%	70.22	5.22	8.0%
13,000	69.15	78.39	9.24	13.4%	71.40	2.25	3.3%	80.25	11.11	16.1%	75.33	6.18	8.9%
14,000	73.29	83.24	9.95	13.6%	76.20	2.91	4.0%	85.25	11.96	16.3%	80.43	7.14	9.7%
15,000	77.43	88.09	10.67	13.8%	81.00	3.57	4.6%	90.24	12.81	16.6%	85.53	8.10	10.5%
16,000	81.57	92.94	11.38	13.9%	85.80	4.23	5.2%	95.24	13.67	16.8%	90.63	9.07	11.1%
17,000	85.71	97.79	12.09	14.1%	90.60	4.89	5.7%	100.23	14.52	16.9%	95.74	10.03	11.7%
18,000	89.85	102.64	12.80	14.2%	95.40	5.55	6.2%	105.22	15.38	17.1%	100.84	10.99	12.2%
19,000	93.99	107.50	13.51	14.4%	100.20	6.21	6.6%	110.22	16.23	17.3%	105.94	11.95	12.7%
20,000	98.13	112.35	14.22	14.5%	105.00	6.87	7.0%	115.21	17.09	17.4%	111.04	12.92	13.2%
21,000	102.27	117.20	14.93	14.6%	109.80	7.53	7.4%	120.21	17.94	17.5%	116.14	13.88	13.6%
22,000	106.41	122.05	15.64	14.7%	114.60	8.19	7.7%	125.20	18.80	17.7%	121.25	14.84	13.9%
23,000	110.55	126.90	16.35	14.8%	119.40	8.85	8.0%	130.19	19.65	17.8%	126.35	15.80	14.3%
24,000	114.69	131.75	17.06	14.9%	124.20	9.51	8.3%	135.19	20.50	17.9%	131.45	16.76	14.6%
25,000	118.83	136.60	17.78	15.0%	129.00	10.17	8.6%	140.18	21.36	18.0%	136.55	17.73	14.9%

Missouri American Water
Rate A - Settlement Rates
WR-2017-0285

Monthly 5/8 Meter Charge = \$9.00

	Current	Keep Fixed	Chg Fixed
5/8" Monthly	\$15.33	\$15.33	\$9.00
5/8" Quarterly	\$22.35	\$22.35	\$27.00
Rate A - District 1	\$4.1398	\$4.8508	\$4.8000
Rate A - District 2	\$4.7378	\$6.2263	\$7.2531
Rate A - District 3	\$3.7424	\$5.4735	\$6.5549
Rate A - Consolidated		\$4.9941	\$5.1021

District 1 - Rate A Quarterly													
Monthly Usage	Current Rate	Current 3 Water Districts						Consolidated Pricing					
		No Change to Fixed Charge			Change to Fixed Charge			No Change to Fixed Charge			Change to Fixed Charge		
		New	\$ Chg	% Chg	New	\$ Chg	% Chg	New	\$ Chg	% Chg	New	\$ Chg	% Chg
1,000	34.77	36.90	2.13	6.1%	41.40	6.63	19.1%	37.33	2.56	7.4%	42.31	7.54	21.7%
2,000	47.19	51.45	4.27	9.0%	55.80	8.61	18.2%	52.31	5.13	10.9%	57.61	10.42	22.1%
3,000	59.61	66.01	6.40	10.7%	70.20	10.59	17.8%	67.30	7.69	12.9%	72.92	13.31	22.3%
4,000	72.03	80.56	8.53	11.8%	84.60	12.57	17.5%	82.28	10.25	14.2%	88.22	16.20	22.5%
5,000	84.45	95.11	10.67	12.6%	99.00	14.55	17.2%	97.26	12.81	15.2%	103.53	19.08	22.6%
6,000	96.87	109.66	12.80	13.2%	113.40	16.53	17.1%	112.24	15.38	15.9%	118.84	21.97	22.7%
7,000	109.29	124.22	14.93	13.7%	127.80	18.51	16.9%	127.23	17.94	16.4%	134.14	24.86	22.7%
8,000	121.71	138.77	17.06	14.0%	142.20	20.49	16.8%	142.21	20.50	16.8%	149.45	27.74	22.8%
9,000	134.12	153.32	19.20	14.3%	156.60	22.48	16.8%	157.19	23.07	17.2%	164.76	30.63	22.8%
10,000	146.54	167.87	21.33	14.6%	171.00	24.46	16.7%	172.17	25.63	17.5%	180.06	33.52	22.9%
11,000	158.96	182.43	23.46	14.8%	185.40	26.44	16.6%	187.16	28.19	17.7%	195.37	36.40	22.9%
12,000	171.38	196.98	25.60	14.9%	199.80	28.42	16.6%	202.14	30.76	17.9%	210.67	39.29	22.9%
13,000	183.80	211.53	27.73	15.1%	214.20	30.40	16.5%	217.12	33.32	18.1%	225.98	42.18	22.9%
14,000	196.22	226.08	29.86	15.2%	228.60	32.38	16.5%	232.10	35.88	18.3%	241.29	45.07	23.0%
15,000	208.64	240.64	32.00	15.3%	243.00	34.36	16.5%	247.09	38.44	18.4%	256.59	47.95	23.0%
16,000	221.06	255.19	34.13	15.4%	257.40	36.34	16.4%	262.07	41.01	18.6%	271.90	50.84	23.0%
17,000	233.48	269.74	36.26	15.5%	271.80	38.32	16.4%	277.05	43.57	18.7%	287.21	53.73	23.0%
18,000	245.90	284.29	38.40	15.6%	286.20	40.30	16.4%	292.03	46.13	18.8%	302.51	56.61	23.0%
19,000	258.32	298.85	40.53	15.7%	300.60	42.28	16.4%	307.02	48.70	18.9%	317.82	59.50	23.0%
20,000	270.74	313.40	42.66	15.8%	315.00	44.26	16.3%	322.00	51.26	18.9%	333.12	62.39	23.0%
21,000	283.16	327.95	44.79	15.8%	329.40	46.24	16.3%	336.98	53.82	19.0%	348.43	65.27	23.1%
22,000	295.58	342.50	46.93	15.9%	343.80	48.22	16.3%	351.96	56.39	19.1%	363.74	68.16	23.1%
23,000	308.00	357.06	49.06	15.9%	358.20	50.20	16.3%	366.94	58.95	19.1%	379.04	71.05	23.1%
24,000	320.42	371.61	51.19	16.0%	372.60	52.18	16.3%	381.93	61.51	19.2%	394.35	73.93	23.1%
25,000	332.84	386.16	53.33	16.0%	387.00	54.16	16.3%	396.91	64.07	19.3%	409.66	76.82	23.1%

Missouri American Water
Rate A - Settlement Rates
WR-2017-0285

Monthly 5/8 Meter Charge = \$9.00

	Current	Keep Fixed	Chg Fixed
5/8" Monthly	\$15.33	\$15.33	\$9.00
5/8" Quarterly	\$22.35	\$22.35	\$27.00
Rate A - District 1	\$4.1398	\$4.8508	\$4.8000
Rate A - District 2	\$4.7378	\$6.2263	\$7.2531
Rate A - District 3	\$3.7424	\$5.4735	\$6.5549
Rate A - Consolidated		\$4.9941	\$5.1021

A B C D E F G H I J K L M N

District 2 - Rate A Monthly													
Monthly Usage	Current Rate	Current 3 Water Districts						Consolidated Pricing					
		No Change to Fixed Charge			Change to Fixed Charge			No Change to Fixed Charge			Change to Fixed Charge		
		New	\$ Chg	% Chg	New	\$ Chg	% Chg	New	\$ Chg	% Chg	New	\$ Chg	% Chg
1,000	20.07	21.56	1.49	7.4%	16.25	(3.81)	(19.0%)	20.32	0.26	1.3%	14.10	(5.97)	(29.7%)
2,000	24.81	27.78	2.98	12.0%	23.51	(1.30)	(5.2%)	25.32	0.51	2.1%	19.20	(5.60)	(22.6%)
3,000	29.54	34.01	4.47	15.1%	30.76	1.22	4.1%	30.31	0.77	2.6%	24.31	(5.24)	(17.7%)
4,000	34.28	40.24	5.95	17.4%	38.01	3.73	10.9%	35.31	1.03	3.0%	29.41	(4.87)	(14.2%)
5,000	39.02	46.46	7.44	19.1%	45.27	6.25	16.0%	40.30	1.28	3.3%	34.51	(4.51)	(11.6%)
6,000	43.76	52.69	8.93	20.4%	52.52	8.76	20.0%	45.29	1.54	3.5%	39.61	(4.14)	(9.5%)
7,000	48.49	58.91	10.42	21.5%	59.77	11.28	23.3%	50.29	1.79	3.7%	44.71	(3.78)	(7.8%)
8,000	53.23	65.14	11.91	22.4%	67.02	13.79	25.9%	55.28	2.05	3.9%	49.82	(3.42)	(6.4%)
9,000	57.97	71.37	13.40	23.1%	74.28	16.31	28.1%	60.28	2.31	4.0%	54.92	(3.05)	(5.3%)
10,000	62.71	77.59	14.88	23.7%	81.53	18.82	30.0%	65.27	2.56	4.1%	60.02	(2.69)	(4.3%)
11,000	67.45	83.82	16.37	24.3%	88.78	21.34	31.6%	70.27	2.82	4.2%	65.12	(2.32)	(3.4%)
12,000	72.18	90.05	17.86	24.7%	96.04	23.85	33.0%	75.26	3.08	4.3%	70.22	(1.96)	(2.7%)
13,000	76.92	96.27	19.35	25.2%	103.29	26.37	34.3%	80.25	3.33	4.3%	75.33	(1.59)	(2.1%)
14,000	81.66	102.50	20.84	25.5%	110.54	28.88	35.4%	85.25	3.59	4.4%	80.43	(1.23)	(1.5%)
15,000	86.40	108.72	22.33	25.8%	117.80	31.40	36.3%	90.24	3.84	4.5%	85.53	(0.87)	(1.0%)
16,000	91.13	114.95	23.82	26.1%	125.05	33.91	37.2%	95.24	4.10	4.5%	90.63	(0.50)	(0.6%)
17,000	95.87	121.18	25.30	26.4%	132.30	36.43	38.0%	100.23	4.36	4.5%	95.74	(0.14)	(0.1%)
18,000	100.61	127.40	26.79	26.6%	139.56	38.95	38.7%	105.22	4.61	4.6%	100.84	0.23	0.2%
19,000	105.35	133.63	28.28	26.8%	146.81	41.46	39.4%	110.22	4.87	4.6%	105.94	0.59	0.6%
20,000	110.09	139.86	29.77	27.0%	154.06	43.98	39.9%	115.21	5.13	4.7%	111.04	0.96	0.9%
21,000	114.82	146.08	31.26	27.2%	161.32	46.49	40.5%	120.21	5.38	4.7%	116.14	1.32	1.1%
22,000	119.56	152.31	32.75	27.4%	168.57	49.01	41.0%	125.20	5.64	4.7%	121.25	1.68	1.4%
23,000	124.30	158.53	34.23	27.5%	175.82	51.52	41.4%	130.19	5.90	4.7%	126.35	2.05	1.6%
24,000	129.04	164.76	35.72	27.7%	183.07	54.04	41.9%	135.19	6.15	4.8%	131.45	2.41	1.9%
25,000	133.78	170.99	37.21	27.8%	190.33	56.55	42.3%	140.18	6.41	4.8%	136.55	2.78	2.1%

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Rate A - Settlement Rates
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5/8" Quarterly	\$22.35	\$22.35	\$27.00
Rate A - District 1	\$4.1398	\$4.8508	\$4.8000
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Rate A - District 3	\$3.7424	\$5.4735	\$6.5549
Rate A - Consolidated		\$4.9941	\$5.1021

A B C D E F G H I J K L M N

District 3 - Rate A Monthly													
Monthly Usage	Current Rate	Current 3 Water Districts						Consolidated Pricing					
		No Change to Fixed Charge			Change to Fixed Charge			No Change to Fixed Charge			Change to Fixed Charge		
		New	\$ Chg	% Chg	New	\$ Chg	% Chg	New	\$ Chg	% Chg	New	\$ Chg	% Chg
1,000	19.07	20.80	1.73	9.1%	15.55	(3.52)	(18.4%)	20.32	1.25	6.6%	14.10	(4.97)	(26.1%)
2,000	22.81	26.28	3.46	15.2%	22.11	(0.71)	(3.1%)	25.32	2.50	11.0%	19.20	(3.61)	(15.8%)
3,000	26.56	31.75	5.19	19.6%	28.66	2.11	7.9%	30.31	3.76	14.1%	24.31	(2.25)	(8.5%)
4,000	30.30	37.22	6.92	22.9%	35.22	4.92	16.2%	35.31	5.01	16.5%	29.41	(0.89)	(2.9%)
5,000	34.04	42.70	8.66	25.4%	41.77	7.73	22.7%	40.30	6.26	18.4%	34.51	0.47	1.4%
6,000	37.78	48.17	10.39	27.5%	48.33	10.54	27.9%	45.29	7.51	19.9%	39.61	1.83	4.8%
7,000	41.53	53.64	12.12	29.2%	54.88	13.36	32.2%	50.29	8.76	21.1%	44.71	3.19	7.7%
8,000	45.27	59.12	13.85	30.6%	61.44	16.17	35.7%	55.28	10.01	22.1%	49.82	4.55	10.0%
9,000	49.01	64.59	15.58	31.8%	67.99	18.98	38.7%	60.28	11.27	23.0%	54.92	5.91	12.1%
10,000	52.75	70.07	17.31	32.8%	74.55	21.79	41.3%	65.27	12.52	23.7%	60.02	7.27	13.8%
11,000	56.50	75.54	19.04	33.7%	81.10	24.61	43.6%	70.27	13.77	24.4%	65.12	8.63	15.3%
12,000	60.24	81.01	20.77	34.5%	87.66	27.42	45.5%	75.26	15.02	24.9%	70.22	9.99	16.6%
13,000	63.98	86.49	22.50	35.2%	94.21	30.23	47.3%	80.25	16.27	25.4%	75.33	11.35	17.7%
14,000	67.72	91.96	24.24	35.8%	100.77	33.04	48.8%	85.25	17.52	25.9%	80.43	12.71	18.8%
15,000	71.47	97.43	25.97	36.3%	107.32	35.86	50.2%	90.24	18.78	26.3%	85.53	14.07	19.7%
16,000	75.21	102.91	27.70	36.8%	113.88	38.67	51.4%	95.24	20.03	26.6%	90.63	15.42	20.5%
17,000	78.95	108.38	29.43	37.3%	120.43	41.48	52.5%	100.23	21.28	27.0%	95.74	16.78	21.3%
18,000	82.69	113.85	31.16	37.7%	126.99	44.29	53.6%	105.22	22.53	27.2%	100.84	18.14	21.9%
19,000	86.44	119.33	32.89	38.1%	133.54	47.11	54.5%	110.22	23.78	27.5%	105.94	19.50	22.6%
20,000	90.18	124.80	34.62	38.4%	140.10	49.92	55.4%	115.21	25.03	27.8%	111.04	20.86	23.1%
21,000	93.92	130.27	36.35	38.7%	146.65	52.73	56.1%	120.21	26.29	28.0%	116.14	22.22	23.7%
22,000	97.66	135.75	38.08	39.0%	153.21	55.54	56.9%	125.20	27.54	28.2%	121.25	23.58	24.1%
23,000	101.41	141.22	39.82	39.3%	159.76	58.36	57.5%	130.19	28.79	28.4%	126.35	24.94	24.6%
24,000	105.15	146.69	41.55	39.5%	166.32	61.17	58.2%	135.19	30.04	28.6%	131.45	26.30	25.0%
25,000	108.89	152.17	43.28	39.7%	172.87	63.98	58.8%	140.18	31.29	28.7%	136.55	27.66	25.4%