

Missouri American Water  
WR-2017-0285

Monthly 5/8 Meter Charge = \$8.00

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	<b>Water Revenue Requirement</b>				<b>307,667,298</b>
4					
5	<b>Staff Class Cost of Service Results</b>	<b>District 1</b>	<b>District 2</b>	<b>District 3</b>	<b>Consolidated</b>
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	<b>Total Revenues to be Collected in Rates</b>	<b>\$230,614,719</b>	<b>\$34,053,681</b>	<b>\$28,898,856</b>	<b>\$293,567,256</b>
10					
11	<b>Staff Class Cost of Service - by Tariff</b>				
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	<b>Total Revenues to be Collected in Rates</b>	<b>\$230,535,258</b>	<b>\$34,048,810</b>	<b>\$28,726,856</b>	<b>\$293,310,924</b>
16					
17	<b>Scenario 1 - No Change to Customer Fixed Charge</b>	<b>District 1</b>	<b>District 2</b>	<b>District 3</b>	<b>Consolidated</b>
18	<b>Fixed Charge Billing Determinants</b>				
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	<b>Total Fixed Charges</b>	<b>\$45,460,021</b>	<b>\$7,949,806</b>	<b>\$8,426,335</b>	<b>\$61,836,162</b>
23					
24	<b>Revenues to be Collected in Volumetric Rates</b>				
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	<b>Total Revenue to be Collected in Volumetric Rates</b>	<b>\$185,075,237</b>	<b>\$26,099,004</b>	<b>\$20,300,521</b>	<b>\$231,474,762</b>
29					
30	<b>Volumetric Billing Determinants (thousand gallons)</b>				
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	<b>Total Volumetric Billing Determinants</b>	<b>42,056,837</b>	<b>5,221,248</b>	<b>4,330,824</b>	<b>51,608,909</b>
35					
36	<b>Volumetric Rate (\$ per 1,000 gallons)</b>				
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	<b>Scenario 2 - Company Proposed Fixed Charge</b>	<b>District 1</b>	<b>District 2</b>	<b>District 3</b>	<b>Consolidated</b>
42	<b>Fixed Charge Billing Determinants</b>				
43	Rate A	\$42,618,808	\$4,323,093	\$4,632,813	\$51,574,714
44	Rate J	452,375	68,529	57,570	578,474
45	Rate B	5,464	25,386	17,472	48,322
46	<b>Total Fixed Charges</b>	<b>\$43,076,647</b>	<b>\$4,417,008</b>	<b>\$4,707,855</b>	<b>\$52,201,510</b>
47					
48	<b>Revenues to be Collected in Volumetric Rates</b>				
49	Rate A	\$176,159,930	\$22,135,693	\$20,228,821	\$218,524,444
50	Rate J	7,775,277	4,615,348	2,666,206	15,056,831
51	Rate B	3,523,404	2,880,761	1,123,974	7,528,139
52	<b>Total Revenue to be Collected in Volumetric Rates</b>	<b>\$187,458,611</b>	<b>\$29,631,802</b>	<b>\$24,019,001</b>	<b>\$241,109,414</b>
53					
54	<b>Volumetric Billing Determinants (thousand gallons)</b>				
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	<b>Total Volumetric Billing Determinants</b>	<b>42,056,837</b>	<b>5,221,248</b>	<b>4,330,824</b>	<b>51,608,909</b>
59					
60	<b>Volumetric Rate (\$ per 1,000 gallons)</b>				
61	Rate A	\$4.9105	\$7.3888	\$6.6899	\$5.2161
62	Rate J	\$1.7137	\$3.3395	\$2.8011	\$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

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	Current	Keep Fixed	Chg Fixed
5/8" Monthly	\$15.33	\$15.33	\$8.00
5/8" Quarterly	\$22.35	\$22.35	\$24.00
Rate A - District 1	\$4,1398	\$4,8508	\$4,9105
Rate A - District 2	\$4,7378	\$6,2263	\$7,3888
Rate A - District 3	\$3,7424	\$5,4735	\$6,6899
Rate A - Consolidated		\$4,9941	\$5,2161

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%	12.91	(6.56)	(33.7%)	20.32	0.85	4.4%	13.22	(6.25)	(32.1%)
2,000	23.61	25.03	1.42	6.0%	17.82	(5.79)	(24.5%)	25.32	1.71	7.2%	18.43	(5.18)	(21.9%)
3,000	27.75	29.88	2.13	7.7%	22.73	(5.02)	(18.1%)	30.31	2.56	9.2%	23.65	(4.10)	(14.8%)
4,000	31.89	34.73	2.84	8.9%	27.64	(4.25)	(13.3%)	35.31	3.42	10.7%	28.86	(3.02)	(9.5%)
5,000	36.03	39.58	3.56	9.9%	32.55	(3.48)	(9.6%)	40.30	4.27	11.9%	34.08	(1.95)	(5.4%)
6,000	40.17	44.43	4.27	10.6%	37.46	(2.71)	(6.7%)	45.29	5.13	12.8%	39.30	(0.87)	(2.2%)
7,000	44.31	49.29	4.98	11.2%	42.37	(1.94)	(4.4%)	50.29	5.98	13.5%	44.51	0.20	0.5%
8,000	48.45	54.14	5.69	11.7%	47.28	(1.16)	(2.4%)	55.28	6.83	14.1%	49.73	1.28	2.6%
9,000	52.59	58.99	6.40	12.2%	52.19	(0.39)	(0.7%)	60.28	7.69	14.6%	54.95	2.36	4.5%
10,000	56.73	63.84	7.11	12.5%	57.10	0.38	0.7%	65.27	8.54	15.1%	60.16	3.43	6.1%
11,000	60.87	68.69	7.82	12.8%	62.02	1.15	1.9%	70.27	9.40	15.4%	65.38	4.51	7.4%
12,000	65.01	73.54	8.53	13.1%	66.93	1.92	3.0%	75.26	10.25	15.8%	70.59	5.59	8.6%
13,000	69.15	78.39	9.24	13.4%	71.84	2.69	3.9%	80.25	11.11	16.1%	75.81	6.66	9.6%
14,000	73.29	83.24	9.95	13.6%	76.75	3.46	4.7%	85.25	11.96	16.3%	81.03	7.74	10.6%
15,000	77.43	88.09	10.67	13.8%	81.66	4.23	5.5%	90.24	12.81	16.6%	86.24	8.81	11.4%
16,000	81.57	92.94	11.38	13.9%	86.57	5.00	6.1%	95.24	13.67	16.8%	91.46	9.89	12.1%
17,000	85.71	97.79	12.09	14.1%	91.48	5.77	6.7%	100.23	14.52	16.9%	96.67	10.97	12.8%
18,000	89.85	102.64	12.80	14.2%	96.39	6.54	7.3%	105.22	15.38	17.1%	101.89	12.04	13.4%
19,000	93.99	107.50	13.51	14.4%	101.30	7.31	7.8%	110.22	16.23	17.3%	107.11	13.12	14.0%
20,000	98.13	112.35	14.22	14.5%	106.21	8.08	8.2%	115.21	17.09	17.4%	112.32	14.20	14.5%
21,000	102.27	117.20	14.93	14.6%	111.12	8.85	8.7%	120.21	17.94	17.5%	117.54	15.27	14.9%
22,000	106.41	122.05	15.64	14.7%	116.03	9.62	9.0%	125.20	18.80	17.7%	122.75	16.35	15.4%
23,000	110.55	126.90	16.35	14.8%	120.94	10.40	9.4%	130.19	19.65	17.8%	127.97	17.43	15.8%
24,000	114.69	131.75	17.06	14.9%	125.85	11.17	9.7%	135.19	20.50	17.9%	133.19	18.50	16.1%
25,000	118.83	136.60	17.78	15.0%	130.76	11.94	10.0%	140.18	21.36	18.0%	138.40	19.58	16.5%

Missouri American Water  
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Rate A - District 3	\$3.7424	\$5.4735	\$6.6899
Rate A - Consolidated		\$4.9941	\$5.2161

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%	38.73	3.96	11.4%	37.33	2.56	7.4%	39.65	4.88	14.0%
2,000	47.19	51.45	4.27	9.0%	53.46	6.27	13.3%	52.31	5.13	10.9%	55.30	8.11	17.2%
3,000	59.61	66.01	6.40	10.7%	68.19	8.59	14.4%	67.30	7.69	12.9%	70.95	11.34	19.0%
4,000	72.03	80.56	8.53	11.8%	82.93	10.90	15.1%	82.28	10.25	14.2%	86.59	14.57	20.2%
5,000	84.45	95.11	10.67	12.6%	97.66	13.21	15.6%	97.26	12.81	15.2%	102.24	17.79	21.1%
6,000	96.87	109.66	12.80	13.2%	112.39	15.52	16.0%	112.24	15.38	15.9%	117.89	21.02	21.7%
7,000	109.29	124.22	14.93	13.7%	127.12	17.83	16.3%	127.23	17.94	16.4%	133.54	24.25	22.2%
8,000	121.71	138.77	17.06	14.0%	141.85	20.15	16.6%	142.21	20.50	16.8%	149.19	27.48	22.6%
9,000	134.12	153.32	19.20	14.3%	156.58	22.46	16.7%	157.19	23.07	17.2%	164.84	30.71	22.9%
10,000	146.54	167.87	21.33	14.6%	171.31	24.77	16.9%	172.17	25.63	17.5%	180.48	33.94	23.2%
11,000	158.96	182.43	23.46	14.8%	186.05	27.08	17.0%	187.16	28.19	17.7%	196.13	37.17	23.4%
12,000	171.38	196.98	25.60	14.9%	200.78	29.39	17.2%	202.14	30.76	17.9%	211.78	40.40	23.6%
13,000	183.80	211.53	27.73	15.1%	215.51	31.71	17.2%	217.12	33.32	18.1%	227.43	43.63	23.7%
14,000	196.22	226.08	29.86	15.2%	230.24	34.02	17.3%	232.10	35.88	18.3%	243.08	46.86	23.9%
15,000	208.64	240.64	32.00	15.3%	244.97	36.33	17.4%	247.09	38.44	18.4%	258.73	50.08	24.0%
16,000	221.06	255.19	34.13	15.4%	259.70	38.64	17.5%	262.07	41.01	18.6%	274.37	53.31	24.1%
17,000	233.48	269.74	36.26	15.5%	274.43	40.95	17.5%	277.05	43.57	18.7%	290.02	56.54	24.2%
18,000	245.90	284.29	38.40	15.6%	289.16	43.27	17.6%	292.03	46.13	18.8%	305.67	59.77	24.3%
19,000	258.32	298.85	40.53	15.7%	303.90	45.58	17.6%	307.02	48.70	18.9%	321.32	63.00	24.4%
20,000	270.74	313.40	42.66	15.8%	318.63	47.89	17.7%	322.00	51.26	18.9%	336.97	66.23	24.5%
21,000	283.16	327.95	44.79	15.8%	333.36	50.20	17.7%	336.98	53.82	19.0%	352.62	69.46	24.5%
22,000	295.58	342.50	46.93	15.9%	348.09	52.51	17.8%	351.96	56.39	19.1%	368.26	72.69	24.6%
23,000	308.00	357.06	49.06	15.9%	362.82	54.83	17.8%	366.94	58.95	19.1%	383.91	75.92	24.6%
24,000	320.42	371.61	51.19	16.0%	377.55	57.14	17.8%	381.93	61.51	19.2%	399.56	79.15	24.7%
25,000	332.84	386.16	53.33	16.0%	392.28	59.45	17.9%	396.91	64.07	19.3%	415.21	82.37	24.7%

Missouri American Water  
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5/8" Quarterly	\$22.35	\$22.35	\$24.00
Rate A - District 1	\$4.1398	\$4.8508	\$4.9105
Rate A - District 2	\$4.7378	\$6.2263	\$7.3888
Rate A - District 3	\$3.7424	\$5.4735	\$6.6899
Rate A - Consolidated		\$4.9941	\$5.2161

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%	15.39	(4.68)	(23.3%)	20.32	0.26	1.3%	13.22	(6.85)	(34.1%)
2,000	24.81	27.78	2.98	12.0%	22.78	(2.03)	(8.2%)	25.32	0.51	2.1%	18.43	(6.37)	(25.7%)
3,000	29.54	34.01	4.47	15.1%	30.17	0.62	2.1%	30.31	0.77	2.6%	23.65	(5.90)	(20.0%)
4,000	34.28	40.24	5.95	17.4%	37.56	3.27	9.5%	35.31	1.03	3.0%	28.86	(5.42)	(15.8%)
5,000	39.02	46.46	7.44	19.1%	44.94	5.92	15.2%	40.30	1.28	3.3%	34.08	(4.94)	(12.7%)
6,000	43.76	52.69	8.93	20.4%	52.33	8.58	19.6%	45.29	1.54	3.5%	39.30	(4.46)	(10.2%)
7,000	48.49	58.91	10.42	21.5%	59.72	11.23	23.2%	50.29	1.79	3.7%	44.51	(3.98)	(8.2%)
8,000	53.23	65.14	11.91	22.4%	67.11	13.88	26.1%	55.28	2.05	3.9%	49.73	(3.50)	(6.6%)
9,000	57.97	71.37	13.40	23.1%	74.50	16.53	28.5%	60.28	2.31	4.0%	54.95	(3.03)	(5.2%)
10,000	62.71	77.59	14.88	23.7%	81.89	19.18	30.6%	65.27	2.56	4.1%	60.16	(2.55)	(4.1%)
11,000	67.45	83.82	16.37	24.3%	89.28	21.83	32.4%	70.27	2.82	4.2%	65.38	(2.07)	(3.1%)
12,000	72.18	90.05	17.86	24.7%	96.67	24.48	33.9%	75.26	3.08	4.3%	70.59	(1.59)	(2.2%)
13,000	76.92	96.27	19.35	25.2%	104.05	27.13	35.3%	80.25	3.33	4.3%	75.81	(1.11)	(1.4%)
14,000	81.66	102.50	20.84	25.5%	111.44	29.78	36.5%	85.25	3.59	4.4%	81.03	(0.63)	(0.8%)
15,000	86.40	108.72	22.33	25.8%	118.83	32.43	37.5%	90.24	3.84	4.5%	86.24	(0.16)	(0.2%)
16,000	91.13	114.95	23.82	26.1%	126.22	35.09	38.5%	95.24	4.10	4.5%	91.46	0.32	0.4%
17,000	95.87	121.18	25.30	26.4%	133.61	37.74	39.4%	100.23	4.36	4.5%	96.67	0.80	0.8%
18,000	100.61	127.40	26.79	26.6%	141.00	40.39	40.1%	105.22	4.61	4.6%	101.89	1.28	1.3%
19,000	105.35	133.63	28.28	26.8%	148.39	43.04	40.9%	110.22	4.87	4.6%	107.11	1.76	1.7%
20,000	110.09	139.86	29.77	27.0%	155.78	45.69	41.5%	115.21	5.13	4.7%	112.32	2.24	2.0%
21,000	114.82	146.08	31.26	27.2%	163.16	48.34	42.1%	120.21	5.38	4.7%	117.54	2.71	2.4%
22,000	119.56	152.31	32.75	27.4%	170.55	50.99	42.6%	125.20	5.64	4.7%	122.75	3.19	2.7%
23,000	124.30	158.53	34.23	27.5%	177.94	53.64	43.2%	130.19	5.90	4.7%	127.97	3.67	3.0%
24,000	129.04	164.76	35.72	27.7%	185.33	56.29	43.6%	135.19	6.15	4.8%	133.19	4.15	3.2%
25,000	133.78	170.99	37.21	27.8%	192.72	58.94	44.1%	140.18	6.41	4.8%	138.40	4.63	3.5%

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Rate A - District 3	\$3.7424	\$5.4735	\$6.6899
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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%	14.69	(4.38)	(23.0%)	20.32	1.25	6.6%	13.22	(5.86)	(30.7%)
2,000	22.81	26.28	3.46	15.2%	21.38	(1.44)	(6.3%)	25.32	2.50	11.0%	18.43	(4.38)	(19.2%)
3,000	26.56	31.75	5.19	19.6%	28.07	1.51	5.7%	30.31	3.76	14.1%	23.65	(2.91)	(11.0%)
4,000	30.30	37.22	6.92	22.9%	34.76	4.46	14.7%	35.31	5.01	16.5%	28.86	(1.44)	(4.7%)
5,000	34.04	42.70	8.66	25.4%	41.45	7.41	21.8%	40.30	6.26	18.4%	34.08	0.04	0.1%
6,000	37.78	48.17	10.39	27.5%	48.14	10.35	27.4%	45.29	7.51	19.9%	39.30	1.51	4.0%
7,000	41.53	53.64	12.12	29.2%	54.83	13.30	32.0%	50.29	8.76	21.1%	44.51	2.99	7.2%
8,000	45.27	59.12	13.85	30.6%	61.52	16.25	35.9%	55.28	10.01	22.1%	49.73	4.46	9.9%
9,000	49.01	64.59	15.58	31.8%	68.21	19.20	39.2%	60.28	11.27	23.0%	54.95	5.93	12.1%
10,000	52.75	70.07	17.31	32.8%	74.90	22.14	42.0%	65.27	12.52	23.7%	60.16	7.41	14.0%
11,000	56.50	75.54	19.04	33.7%	81.59	25.09	44.4%	70.27	13.77	24.4%	65.38	8.88	15.7%
12,000	60.24	81.01	20.77	34.5%	88.28	28.04	46.5%	75.26	15.02	24.9%	70.59	10.35	17.2%
13,000	63.98	86.49	22.50	35.2%	94.97	30.99	48.4%	80.25	16.27	25.4%	75.81	11.83	18.5%
14,000	67.72	91.96	24.24	35.8%	101.66	33.93	50.1%	85.25	17.52	25.9%	81.03	13.30	19.6%
15,000	71.47	97.43	25.97	36.3%	108.35	36.88	51.6%	90.24	18.78	26.3%	86.24	14.78	20.7%
16,000	75.21	102.91	27.70	36.8%	115.04	39.83	53.0%	95.24	20.03	26.6%	91.46	16.25	21.6%
17,000	78.95	108.38	29.43	37.3%	121.73	42.78	54.2%	100.23	21.28	27.0%	96.67	17.72	22.4%
18,000	82.69	113.85	31.16	37.7%	128.42	45.72	55.3%	105.22	22.53	27.2%	101.89	19.20	23.2%
19,000	86.44	119.33	32.89	38.1%	135.11	48.67	56.3%	110.22	23.78	27.5%	107.11	20.67	23.9%
20,000	90.18	124.80	34.62	38.4%	141.80	51.62	57.2%	115.21	25.03	27.8%	112.32	22.14	24.6%
21,000	93.92	130.27	36.35	38.7%	148.49	54.57	58.1%	120.21	26.29	28.0%	117.54	23.62	25.1%
22,000	97.66	135.75	38.08	39.0%	155.18	57.51	58.9%	125.20	27.54	28.2%	122.75	25.09	25.7%
23,000	101.41	141.22	39.82	39.3%	161.87	60.46	59.6%	130.19	28.79	28.4%	127.97	26.57	26.2%
24,000	105.15	146.69	41.55	39.5%	168.56	63.41	60.3%	135.19	30.04	28.6%	133.19	28.04	26.7%
25,000	108.89	152.17	43.28	39.7%	175.25	66.36	60.9%	140.18	31.29	28.7%	138.40	29.51	27.1%