

**Missouri-American Water Company
Cost of Long-Term Debt at December 31, 2020
MoPSC XXX Appendix 4**

Subledger	Description	Rate	Issue Date	Maturity Date	Principal Amount	Amount Outstanding @ 12/31/20	Unamortized Debt Expense @ 12/31/20	Unamortized Debt Discount @ 12/31/20	Carrying Value @ 12/31/20	Annual Amortization Expense	Annual Amortization Debt Discount	Annual Interest Expense	Total Cost
<u>General Mortgage Bonds</u>													
BD170005	Series 7.79% GMB	7.790%	06/01/97	06/01/27	\$8,000,000	\$8,000,000	\$24,371	\$0	\$7,975,629	\$3,795	\$0	\$623,200	\$626,995
BD170006	Series 8.58% GMB	8.580%	04/21/95	03/01/25	3,000,000	3,000,000	10,807	0	2,989,193	2,590	0	257,400	259,990
BD170007	Series 7.14% GMB	7.140%	03/16/94	03/01/34	12,500,000	12,500,000	110,196	0	12,389,804	8,366	0	892,500	900,866
<u>AWCC Inter-Company Notes</u>													
BD170045	3.450% AWCC Note	3.450%	04/14/20	05/01/50	110,000,000	110,000,000	1,138,220	221,216	108,640,564	38,799	7,542	3,795,000	3,841,341
BD170044	4.150% AWCC Note	4.150%	05/13/19	06/01/49	75,000,000	75,000,000	739,310	375,894	73,884,795	26,014	13,228	3,112,500	3,151,742
BD170043	4.200% AWCC Note	4.200%	08/09/18	09/01/48	45,000,000	45,000,000	432,318	22,431	44,545,251	15,623	811	1,890,000	1,906,434
BD170042	2.950% AWCC Note	2.950%	09/13/17	09/01/27	12,646,633	12,646,633	243,819	27,843	12,374,972	36,564	4,175	373,076	413,814
BD170041	3.750% AWCC Note	3.750%	08/22/17	09/01/47	70,000,000	70,000,000	646,503	190,996	69,162,502	24,239	7,171	2,625,000	2,656,410
BD170040	4.000% AWCC Note	4.000%	11/17/16	12/01/46	107,480,000	107,480,000	974,179	765,998	105,739,823	37,581	29,769	4,299,200	4,366,550
BD170039	4.300% AWCC Note	4.300%	08/13/15	09/01/45	50,000,000	50,000,000	430,432	545,477	49,024,091	17,446	22,111	2,150,000	2,189,557
BD170038	3.850% AWCC Note	3.850%	11/20/13	03/01/24	25,000,000	25,000,000	60,313	29,583	24,910,104	19,010	9,703	962,500	991,212
BD170037	3.400% AWCC Note	3.400%	07/31/13	12/21/21	9,000,000	9,000,000	0	0	9,000,000	0	0	306,000	306,000
BD170036	4.300% AWCC Note	4.300%	12/17/12	12/01/42	15,000,000	15,000,000	111,909	19,946	14,868,146	5,105	910	645,000	651,015
BD170031	4.900% AWCC Note	4.900%	07/02/12	10/15/37	22,712,000	22,712,000	0	0	22,712,000	0	0	1,112,888	1,112,888
BD170030	4.900% AWCC Note	4.900%	07/02/12	10/15/37	13,081,000	13,081,000	0	0	13,081,000	0	0	640,969	640,969
BD170029	4.900% AWCC Note	4.900%	07/02/12	10/15/37	10,364,000	10,364,000	0	0	10,364,000	0	0	507,836	507,836
BD170028	4.900% AWCC Note	4.900%	07/02/12	10/15/37	2,331,000	2,331,000	0	0	2,331,000	0	0	114,219	114,219
BD170025	4.925% AWCC Note	4.925%	06/11/12	10/15/37	10,944,000	10,944,000	0	0	10,944,000	0	0	538,992	538,992
BD170024	4.925% AWCC Note	4.925%	06/11/12	10/15/37	18,292,000	18,292,000	0	0	18,292,000	0	0	900,881	900,881
BD170021	5.050% AWCC Note	5.050%	11/21/11	10/15/37	25,000,000	25,000,000	0	0	25,000,000	0	0	1,262,500	1,262,500
BD170019	6.550% AWCC Note	6.550%	08/01/08	05/31/23	70,000,000	70,000,000	41,830	0	69,958,170	17,587	0	4,585,000	4,602,587
BD170018	6.593% AWCC Note	6.593%	10/22/07	10/15/37	103,000,000	103,000,000	581,755	0	102,418,245	34,640	0	6,790,790	6,825,430
<u>Carry Over Unamortized Debt Expense</u>													
BD170008	EIERA GMB	5.500%	01/01/93	01/01/23	5,000,000	0	25,962	0	-25,962	12,981	0	0	12,981
BD170009	Series M EIERA GMB	5.000%	02/01/98	02/01/28	4,500,000	0	122,604	0	-122,604	7,302	0	0	7,302
BD170010	EIERA GMB	5.850%	07/01/96	07/01/26	6,000,000	0	81,887	0	-81,887	14,889	0	0	14,889
BD170013	EIERA GMB	5.900%	03/01/00	03/01/30	29,000,000	0	581,434	0	-581,434	34,626	0	0	34,626
BD170017	Secured EIERA GMB	4.600%	12/19/16	12/01/36	57,480,000	0	880,759	0	-880,759	33,981	0	0	33,981
BD170020	8.250% AWCC Note	8.250%	02/04/09	12/01/38	25,000,000	0	257,573	0	-257,573	81,267	0	0	81,267
BD350006 - Q	Series Q GMB	9.490%	01/01/05	11/30/29	11,000,000	0	254,125	0	-254,125	28,500	0	0	28,500
BD350007 - R	Series R GMB	6.900%	01/01/05	01/31/21	25,000,000	0	5,516	0	-5,516	66,216	0	0	66,216
BD350008 - S	Series S GMB	6.400%	01/01/05	01/31/22	25,000,000	0	70,497	0	-70,497	65,076	0	0	65,076
BD350009 - T	EIERA Series T 1st MB	5.500%	02/01/93	02/01/23	15,000,000	0	54,173	0	-54,173	26,003	0	0	26,003
BD350010 - U	EIERA Series U 1st MB	5.700%	05/01/95	06/01/25	12,000,000	0	87,159	0	-87,159	19,734	0	0	19,734
BD350011 - V	EIERA Series V 1st MB	5.500%	11/01/96	11/01/26	20,000,000	0	185,226	0	-185,226	31,753	0	0	31,753
BD350014 - Y	EIERA Series Y 1st MB	5.000%	03/01/99	03/01/29	40,000,000	0	610,846	0	-610,846	36,327	0	0	36,327
					\$1,093,330,633	\$818,350,633	\$8,763,721	\$2,199,383	\$807,387,528	\$746,011	\$95,420	\$38,385,451	\$39,226,882

Cost of Long-Term Debt = [Total Cost / Carrying Value]

4.86%