



Susan Simms Marsh

Deputy General Counsel

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VIA e-Filing

December 16, 2020

Rosemary Chiavetta, Secretary
Commonwealth of Pennsylvania
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, PA 17120

**Re: Pennsylvania-American Water Company (Utility Code 230073)
Wastewater Operations DSIC filing effective January 1, 2021.**

Dear Secretary Chiavetta:

Attached please find the calculation for Pennsylvania-American Water Company's wastewater DSIC calculation effective October 1, 2020 for Tariff Wastewater-PA P.U.C. No. 16. Because the Company reached the DSIC wastewater cap of 5% for the DSIC rate effective January 1, 2020, there will be no change to the DSIC rate and it will remain capped at the 5% rate.

If you have any questions, please contact me.

Sincerely,

Susan Simms Marsh

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Attachment

cc. Office of Consumer Advocate
Bureau of Investigation and Enforcement
Office of Small Business Advocate
Bureau of Technical Utility Services
Marie Intrieri (Bureau of Technical Utility Services)
Audit Bureau

WASTEWATER DISTRIBUTION SYSTEM IMPROVEMENT CHARGE

PA AMERICAN WATER

January 1, 2021

Applicable to :

All Rate Zones except Rate Zone 7-Sadsbury, Rate Zone 8-Turbotville,
Rate Zone 9-Exeter and Rate Zone 10-Kane

PENNSYLVANIA AMERICAN WATER
WASTEWATER DISTRIBUTION SYSTEM IMPROVEMENT CHARGE
PAGE 1

DESCRIPTION	SURCHARGE EFFECTIVE January 1, 2021
APPLICABLE NET ADDITIONS	\$55,967,354
LESS:	
ACCUMULATED DEPRECIATION	(788,568)
RETIREMENTS	4,503,856
NET RATE BASE INCLUDED IN DISTRIBUTION SYSTEM IMPROVEMENT CALCULATIONS	(DSI) 59,682,642
ANNUAL REVENUE REQUIREMENT RATE	9.69%
QUARTERLY REVENUE REQUIREMENT RATE	(PTRR) 2.42%
QUARTERLY CAPITAL COST RECOVERY	(DSI X PTRR) 1,444,320
QUARTERLY DEPRECIATION EXPENSE	(DEP) 223,025
REVENUE REQUIREMENT PRIOR TO ANNUAL RECONCILIATION AND PRIOR YEAR E FACTOR	1,667,345
ANNUAL RECONCILIATION	(e) 0
RECONCILIATION OF PRIOR YEAR E FACTOR	0
REVENUE REQUIREMENT FOR ANNUAL RECONCILIATION AND PRIOR YEAR E FACTOR	0
TOTAL QUARTERLY DISTRIBUTION SYSTEM IMPROVEMENT CHARGE REVENUE REQUIREMENT	1,667,345
MONTHLY RECOVERABLE AMOUNT FOR REVENUE REQUIREMENT	555,782
MONTHLY RECOVERABLE AMOUNT FOR ANNUAL RECONCILIATION AND PRIOR YEAR E FACTOR	0
BASE RATE REVENUE TO BE COLLECTED DURING JANUARY THROUGH MARCH	(PQR) 14,540,049
CURRENT YEAR DISTRIBUTION SYSTEM IMPROVEMENT CHARGE	11.47%
ANNUAL RECONCILIATION AND PRIOR YEAR E FACTOR CHARGE	0.00%
DISTRIBUTION SYSTEM IMPROVEMENT CHARGE	(DSIC) 11.47%
LESS: DISTRIBUTION SYSTEM IMPROVEMENT CHARGE - ADJUSTMENT TO CAP	-6.47%
DISTRIBUTION SYSTEM IMPROVEMENT CHARGE - CAP 5%	5.00%

TYPE	AMOUNT (\$000)	CAPITAL STRUCTURE	COST RATE	WEIGHTED AVERAGE COST RATE	REVENUE MULTIPLIER	REVENUE REQUIREMENT
DEBT	\$1,784,115	44.68%	4.46%	1.99%		1.99%
PREFERRED	2,852	0.07%	8.74%	0.01%	1.40631	0.01%
EQUITY	2,205,922	55.25%	9.90%	5.47%	1.40631	7.69%
TOTAL	\$3,992,889	100.00%		7.47%		9.69%

REVENUE MULTIPLIER BASED UPON CURRENTLY EFFECTIVE TAX RATES USED IN COMPANY'S MOST RECENT RATE FILING. EQUITY COST RATE TAKEN FROM COMMISSION'S MOST RECENT QUARTERLY EARNINGS REPORT. DEBT AND PREFERRED COST RATES AND CAPITAL STRUCTURE BASED UPON INFORMATION AS OF: November 30, 2020. PREFERRED STOCK AND DEBT FIGURES DO NOT REFLECT THE REQUIREMENTS OF FAS150.

ANTICIPATED REVENUES

Jan 2021	\$4,691,841
Feb	\$4,896,933
Mar	\$4,951,275
TOTAL	<u>\$14,540,049</u>

PENNSYLVANIA AMERICAN WATER
WASTEWATER DISTRIBUTION SYSTEM IMPROVEMENT CHARGE
PAGE 2

STATE ACCOUNT	DESCRIPTION	JANUARY 2019	FEBRUARY 2019	MARCH 2019	APRIL 2019	MAY 2019	JUNE 2019	JULY 2019	AUGUST 2019	SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019	DECEMBER 2019	JANUARY 2020	FEBRUARY 2020	MARCH 2020	APRIL 2020	MAY 2020	JUNE 2020	JULY 2020	AUGUST 2020	SEPTEMBER 2020	OCTOBER 2020	NOVEMBER 2020	TOTAL
360000	Mains - Force	\$272,566	\$259,442	\$50,119	(\$2,433)	\$625,079	\$28,804	\$73	\$965,268	\$52,142	\$105,000	\$2,050,314	\$19,772	\$141,924	\$47,226	(\$53,524)	(\$2,425)	\$72,747	\$97,976	\$105,722	\$2,063	(\$9,088)	\$878,097	\$1,757,922	\$7,464,786
361100	Mains - Gravity	504,388	43,949	112,915	33,665	74,893	39,527	272,404	1,204,728	71,921	389,205	21,800,704	2,386,798	1,848,377	432,582	395,497	15,953	2,071,462	671,169	1,730,261	3,389,413	756,675	1,448,275	2,566,810	42,261,571
361200	Manholes									13,072	25,388	602,626	454,991	139,774	180,310	(76,197)	941	(41,236)	134,580	133,749	144,953	172,521	271,999	7,027,125	9,184,596
363000	Service Laterals	2,051	2,300	17,901	19,404	29,557	49,867	19,957	53,838	111,159	68,279	20,312	25,810	22,929	47,763	60,070	58,404	110,578	55,828	309,851	(143,671)	77,047	528,685	12,339	1,560,258
364000	Flow Measuring Devices																								-
365000	Flow Measuring Installs																								-
	ADDITIONS	779,004	305,691	180,935	50,636	729,529	118,198	292,434	2,223,834	248,294	587,872	24,473,956	2,887,371	2,153,004	707,881	325,846	72,873	2,213,551	959,553	2,279,583	3,392,758	997,155	3,127,056	11,364,196	60,471,210
	RETIREMENTS	(42,283)	-	-	-	-	-	(43,634)	(200,432)	-	(3,663)	(162)	(2,334)	(118)	-	(478,657)	(211,528)	(108,457)	(489,580)	(855,639)	(597,903)	(300,190)	(823,121)	(346,155)	(4,503,856)
	NET ADDITIONS	\$736,722	\$305,691	\$180,935	\$50,636	\$729,529	\$118,198	\$248,800	\$2,023,402	\$248,294	\$584,209	\$24,473,794	\$2,885,037	\$2,152,886	\$707,881	(\$152,811)	(\$138,655)	\$2,105,094	\$469,973	\$1,423,944	\$2,794,855	\$696,965	\$2,303,935	\$11,018,041	\$55,967,354

RETIREMENTS	JANUARY 2019	FEBRUARY 2019	MARCH 2019	APRIL 2019	MAY 2019	JUNE 2019	JULY 2019	AUGUST 2019	SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019	DECEMBER 2019	JANUARY 2020	FEBRUARY 2020	MARCH 2020	APRIL 2020	MAY 2020	JUNE 2020	JULY 2020	AUGUST 2020	SEPTEMBER 2020	OCTOBER 2020	NOVEMBER 2020	TOTAL	
360000	\$42,283															\$0	\$0	\$3,016	\$1,197	\$27,595	\$401	\$110	\$263,371	\$191,968	\$529,941
361000							43,634	200,432		2,621		2,334	118		472,202	205,502	84,729	478,511	825,885	597,502	274,876	523,494	111,330	3,823,170	
363000										1,042					6,455	6,026	20,712	9,872	2,159		25,204	36,256	42,857	150,583	
364000																								-	
365000											162													162	
	\$42,283	\$0	\$0	\$0	\$0	\$0	\$43,634	\$200,432	\$0	3,663	162	\$2,334	\$118	\$0	\$478,657	\$211,528	\$108,457	\$489,580	\$855,639	\$597,903	\$300,190	\$823,121	\$346,155	\$4,503,856	

STATE ACCOUNT	DESCRIPTION	EFFECTIVE FOR ADDITIONS PRIOR TO 9.1.2019												EFFECTIVE FOR ADDITIONS 9.1.2019												TOTAL	
		DEPRECIATION RATE	DEPRECIATION RATE	JANUARY 2019	FEBRUARY 2019	MARCH 2019	APRIL 2019	MAY 2019	JUNE 2019	JULY 2019	AUGUST 2019	SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019	DECEMBER 2019	JANUARY 2020	FEBRUARY 2020	MARCH 2020	APRIL 2020	MAY 2020	JUNE 2020	JULY 2020	AUGUST 2020	SEPTEMBER 2020	OCTOBER 2020		NOVEMBER 2020
360000	Mains - Force	1.82%	1.79%	\$1,240	\$1,180	\$228	-\$11	\$2,844	\$131	\$0	\$4,392	\$233	\$470	\$9,175	\$88	\$635	\$211	(\$240)	(\$11)	\$326	\$438	\$473	\$9	(\$41)	\$3,929	\$7,867	\$ 33,566
361100	Mains Gravity	1.45%	1.32%	1,828	159	409	122	271	143	987	4,367	237	1,284	71,942	7,876	6,100	1,428	1,305	53	6,836	2,215	5,710	11,185	2,497	4,779	8,470	\$ 140,203
361200	Manholes	2.10%	1.61%	0	0	0	0	0	0	0	0	53	102	2,426	1,831	563	726	(307)	4	(166)	542	538	583	694	1,095	28,284	\$ 36,968
363000	Service Laterals	3.08%	3.16%	16	18	138	149	228	384	154	415	878	539	160	204	181	377	475	461	874	441	2,448	(1,135)	609	4,177	97	\$ 12,288
364000	Flow Measuring Devices	7.13%	5.07%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
365000	Flow Measuring Installs	3.47%	3.47%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
	APPLICABLE DEPRECIATION																										
	FIRST QTR 2019			3,084	1,357																						4,441
	SECOND QTR 2019			3,084	1,357	775	260	3,343																			8,819
	THIRD QTR 2019			3,084	1,357	775	260	3,343	658	1,141	9,174																19,792
	FOURTH QTR 2019			3,084	1,357	775	260	3,343	658	1,141	9,174	1,401	2,395	83,703													107,291
	FIRST QTR 2020			3,084	1,357	775	260	3,343	658	1,141	9,174	1,401	2,395	83,703	9,999	7,479	2,742										127,511
	SECOND QTR 2020			3,084	1,357	775	260	3,343	658	1,141	9,174	1,401	2,395	83,703	9,999	7,479	2,742	1,233	507	7,870							137,121
	THIRD QTR 2020			3,084	1,357	775	260	3,343	658	1,141	9,174	1,401	2,395	83,703	9,999	7,479	2,742	1,233	507	7,870	3,636	9,169	10,642				160,568
	FOURTH QTR 2020			3,084	1,357	775	260	3,343	658	1,141	9,174	1,401	2,395	83,703	9,999	7,479	2,742	1,233	507	7,870	3,636	9,169	10,642	3,759	13,980	44,718	223,025
	ACCUMULATED DEPRECIATION			\$24,672	\$10,856	\$5,425	\$1,820	\$23,401	\$3,948	\$6,846	\$55,044	\$7,005	\$11,975	\$418,515	\$39,996	\$29,916	\$10,968	\$3,699	\$1,521	\$23,610	\$7,272	\$18,338	\$21,284	\$3,759	\$13,980	\$44,718	\$788,568

Pennsylvania-American Water Company - Total
Schedule of Debt
November 30, 2020

Date of Issue	Date of Maturity	Amount Issued	Amount Outstanding	Coupon Rate	Annual Interest	Note #	Issuance Expense	Net Proceeds	Net Proceeds Ratio	Sinking Requirement	Percent to Total	Effective Cost Rate (1)	Weighted Cost Rate
Bonds and Notes													
11/1/2003	11/1/2033	\$38,000,000	\$38,000,000	6.780%	\$2,576,400		\$174,946	\$37,825,054	99.54%		2.13%	6.82%	0.145%
9/1/2006	9/1/2026	150,000,000	\$150,000,000	7.800%	\$11,700,000		2,069,648	\$147,930,352	98.62%		8.41%	7.94%	0.668%
1/15/2006	1/15/2021	20,000,000	\$20,000,000	9.690%	\$1,938,000		116,061	\$19,883,939	99.42%		1.12%	9.76%	0.109%
11/1/2004	11/1/2031	10,000,000	\$10,000,000	8.820%	\$882,000		88,352	\$9,911,648	99.12%		0.56%	8.91%	0.050%
8/1/2004	8/1/2025	10,000,000	\$10,000,000	8.150%	\$815,000		60,119	\$9,939,881	99.40%		0.56%	8.21%	0.046%
1/31/2007	12/21/2021	100,300,000	\$45,135,000	5.770%	\$2,604,290		332,690	\$99,967,310	99.67%		2.53%	5.80%	0.147%
12/21/2012	12/1/2042	23,015,000	\$23,015,000	4.300%	\$989,645	1	895,945	\$22,119,055	96.11%		1.29%	4.54%	0.059%
12/17/2012	12/1/2042	45,000,000	\$45,000,000	4.300%	\$1,935,000	2	582,689	\$44,417,311	98.71%		2.52%	4.38%	0.110%
11/21/2011	10/15/2037	35,000,000	\$35,000,000	5.050%	\$1,767,500		0	\$35,000,000	100.00%		1.96%	5.05%	0.099%
11/21/2011	10/15/2037	15,500,000	\$15,500,000	5.050%	\$782,750		740,260	\$14,759,740	95.22%		0.87%	5.39%	0.047%
11/20/2013	3/1/2024	67,000,000	\$67,000,000	3.850%	\$2,579,500		791,901	\$66,208,099	98.82%		3.76%	3.99%	0.150%
8/14/2014	3/1/2025	36,200,000	\$36,200,000	3.400%	\$1,230,800		1,189,364	\$35,010,636	96.71%		2.03%	3.78%	0.077%
8/14/2014	12/1/2042	65,700,000	\$65,700,000	4.300%	\$2,825,100		4,432,879	\$61,267,121	93.25%		3.68%	4.74%	0.175%
8/10/2017	9/1/2047	240,000,000	\$240,000,000	3.750%	\$9,000,000		3,231,905	\$236,768,095	98.65%		13.45%	3.83%	0.515%
9/13/2017	9/1/2027	101,426,171	\$101,426,171	2.950%	\$2,992,072	3	11,291,519	\$90,134,652	88.87%		5.68%	4.34%	0.247%
8/9/2018	9/1/2028	74,739,360	\$74,739,360	3.750%	\$2,802,726		623,814	\$74,115,546	99.17%		4.19%	3.85%	0.161%
8/9/2018	9/1/2048	227,489,000	\$227,489,000	4.200%	\$9,554,538		2,490,214	\$224,998,786	98.91%		12.75%	4.26%	0.543%
9/11/2018	9/1/2028	124,719,875	\$124,719,875	3.750%	\$4,676,995	4	8,287,774	\$116,432,101	93.35%		6.99%	4.59%	0.321%
5/23/2019	6/1/2029	110,000,000	\$110,000,000	3.450%	\$3,795,000		1,141,559	\$108,858,441	98.96%		6.17%	3.57%	0.220%
6/21/2019	4/1/2039	80,000,000	\$80,000,000	3.000%	\$2,400,000	5	1,996,698	\$78,003,302	97.50%		4.48%	3.17%	0.142%
12/12/2019	12/1/2029	80,000,000	\$80,000,000	2.450%	\$1,960,000	6	1,907,647	\$78,092,353	97.62%		4.48%	2.72%	0.122%
12/12/2019	12/1/2029	13,165,000	\$13,165,000	2.450%	\$322,543	6	483,935	\$12,681,065	96.32%		0.74%	2.88%	0.021%
4/14/2020	5/1/2030	30,000,000	\$30,000,000	2.800%	\$840,000	31	373,996	\$29,626,004	98.75%		1.68%	2.94%	0.049%
4/14/2020	5/1/2050	90,000,000	\$90,000,000	3.450%	\$3,105,000	32	1,141,788	\$88,858,212	98.73%		5.04%	3.52%	0.178%
Pennvest Loans													
7/1/2012	12/1/2022	3,945,656	479,969	2.774%	13,314	7	8,480	3,937,176	99.79%		0.03%	2.80%	0.001%
7/1/2012	3/1/2022	3,366,155	287,483	3.237%	9,306	9	56,803	3,309,352	98.31%		0.02%	3.44%	0.001%
7/1/2012	3/1/2022	3,623,800	309,385	3.237%	10,015	10	25,430	3,598,370	99.30%		0.02%	3.32%	0.001%
7/1/2012	9/1/2022	4,322,665	491,311	3.237%	15,904	11	25,445	4,297,220	99.41%		0.03%	3.31%	0.001%
7/1/2012	7/1/2024	1,559,205	280,715	2.774%	7,787	12	13,749	1,545,456	99.12%		0.02%	2.86%	0.000%
7/1/2012	11/1/2024	5,721,348	1,197,479	1.156%	13,843	13	29,484	5,691,864	99.48%		0.07%	1.20%	0.001%
7/1/2012	12/1/2025	5,670,111	1,256,016	2.763%	34,704	14	34,130	5,635,981	99.40%		0.07%	2.82%	0.002%
7/1/2012	8/1/2024	5,240,631	1,155,086	2.774%	32,042	15	7,951	5,232,680	99.85%		0.06%	2.79%	0.002%
7/1/2012	10/1/2024	3,099,441	701,796	2.432%	17,068	16	5,660	3,093,781	99.82%		0.04%	2.45%	0.001%
7/1/2012	9/1/2029	2,359,891	1,148,360	2.547%	29,249	17	0	2,359,891	100.00%		0.06%	2.55%	0.002%
7/1/2012	2/1/2031	12,150,000	6,825,659	2.690%	183,610	18	0	12,150,000	100.00%		0.38%	2.69%	0.010%
7/1/2012	10/1/2032	9,936,500	6,557,348	3.117%	204,393	19	0	9,936,500	100.00%		0.37%	3.12%	0.011%
7/1/2012	12/1/2031	1,606,709	993,126	3.098%	30,767	20	0	1,606,709	100.00%		0.06%	3.10%	0.002%
7/1/2012	3/1/2041	1,724,610	1,266,775	1.000%	12,668	21	0	1,724,610	100.00%		0.07%	1.00%	0.001%
7/1/2012	4/1/2031	1,675,790	1,111,545	2.810%	31,234	22	0	1,675,790	100.00%		0.06%	2.81%	0.002%
7/1/2012	3/1/2032	1,273,465	705,390	2.690%	18,975	23	0	1,273,465	100.00%		0.04%	2.69%	0.001%
3/22/2013	3/1/2033	1,378,357	873,614	2.196%	19,185	24	0	1,378,357	100.00%		0.05%	2.20%	0.001%
4/1/2015	2/1/2037	15,833,700	12,787,822	1.000%	127,878	25	0	15,833,700	100.00%		0.72%	1.00%	0.007%
10/15/2015	7/1/2040	123,663	100,698	1.000%	1,007	26	0	123,663	100.00%		0.01%	1.00%	0.000%
10/15/2015	7/1/2040	969,823	789,722	1.000%	7,897	27	0	969,823	100.00%		0.04%	1.00%	0.000%
4/21/2016	11/1/2026	2,141,062	1,395,564	1.356%	18,924	28	0	2,141,062	100.00%		0.08%	1.36%	0.001%
12/29/2016	11/1/2037	7,785,187	6,493,030	1.000%	64,930	29	0	7,785,187	100.00%		0.36%	1.00%	0.004%
6/14/2017	11/1/2036	5,549,947	4,817,226	1.439%	69,320	30	0	5,549,947	100.00%		0.27%	1.44%	0.004%
		\$1,888,312,123	\$1,784,114,526				\$44,652,834	\$1,843,659,289		\$0	100.00%		4.46%

Pennsylvania-American Water Company - Total
Schedule of Debt
November 30, 2020

Notes to Debt Schedule

- (1) Re-issuance 12/21/12 from Parent at a coupon rate of 4.30% for 30 years
- (2) New unsecured borrowing at a coupon rate of 4.30% for 30 years
- (3) Issuances costs included make whole premium of \$10M
- (4) Issuances costs included make whole premium of \$7.2M
- (5) Refinanced June 2019 at a lower rate for the remaining term of the bond
- (6) Refinanced Dec 2019 at a lower rate for the remaining term of the bond
- (7) Eldersville, Jefferson, and Crosscreek, interest 1.387% for first 70 months and 2.774% (12/2007) for remainder
- (9) Strattanville Pennvest Loan. Interest 1.619% from 2002 to 2007 and 3.237% starting March 2007
- (10) Franklin Township. Interest 1.619% from 2002 to 2007 and 3.237% starting April 2007
- (11) Jackson Township. Interest 1.619% from 2001 to 2006 and 3.237% starting Oct 2007
- (12) Farmington Twp., Interest rate 1.387% for first 70 months and 2.774% (07/2009) for remainder
- (13) Sandy Ridge, Interest rate 1.000% for first 60 months and 1.156% (07/2010) for remainder
- (14) Sligo/Shipperville, Interest rate 1.385% for first 86 months and 2.763% (06/2013) for remainder
- (15) Ellwood/Butler Interconnect, Interest rate 1.387% for first 74 months and 2.774% (08/2009) for remainder
- (16) Mahoning & Union Twp, Interest rate 1.305% for first 82 months and 2.432% (10/2009) for remainder
- (17) Hanover & Collier 1.274% first 2009 - 2014 and 2.547% starting Oct 2014
- (18) Mount Pleasant Water System Extension 1.559% first 2011 - 2016 and 2.69% starting March 2016
- (19) Rock Run WTP 2.414% first 2011 - 2016 and 3.117% starting Dec 2017
- (20) Silver Spring Clearwell 2.376% first 2012 - 2016 and 3.098% starting Jan 2017
- (21) Wallaceton Municipal Authority 1.00% for 30 years starting March 2012
- (22) Pittsburgh Meter Improvements 1.799% first 2012 - 2017 and 2.81% starting April 2017
- (23) Pittsburgh Meter Improvement Project Phase II 1.559% first 60 months and 2.69% starting May 2016
- (24) Southwest PA Pipeline Exts Phase II - Interest 1.591% first 5 years - 2.196% starting April 2018
- (25) Clarion WW Act 537 Implementation Project - Interest rate is 1.0% for the life of the loan
- (26) Paint Twp #1 - Interest rate is 1% for the remaining life of the Bond
- (27) Paint Twp #2 - Interest rate is 1% for the remaining life of the Bond
- (28) Fairview Water Main Extension - Interest rate is 1.356% for the first 5 years, 1.985% April 2021 for remaining 5 years
- (29) Debt assumed as part of Scranton Sewer acquisition
- (30) Washington County Main Extension Project - Interest rate is 1.439% until Oct 2021 - 2.027% for the remaining term
- (31) New unsecured borrowing at a coupon rate of 2.80% for 10 years
- (32) New unsecured borrowing at a coupon rate of 4.30% for 30 years

PENNSYLVANIA AMERICAN WATER COMPANY
SCHEDULE OF PREFERRED STOCK
November 30, 2020

DATE OF ISSUE	DATE OF MATURITY	SHARES ISSUED	SHARES OUTSTANDING	AMOUNT ISSUED	AMOUNT OUTSTANDING	EXPENSE	NET PROCEEDS	DIVIDEND RATE	SINKING REQUIR.	PERCENT TO TOTAL	EFFECTIVE COST RATE	WEIGHTED COST RATE
23-Apr-71	---	3,000	1,780	\$300,000	\$178,000	\$5,473	\$294,527	9.75%		6.24%	9.96%	0.62%
23-Apr-71	---	4,250	2,735	425,000	273,500	7,275	417,725	9.35%		9.59%	9.54%	0.92%
21-Nov-91	---	120,000	24,000	12,000,000	2,400,000	82,714	11,917,286	8.49%		84.17%	8.55%	7.20%
		127,250	28,515	\$12,725,000	\$2,851,500	\$95,462	\$12,629,538			100.00%		8.74%

PENNSYLVANIA AMERICAN WATER COMPANY
 2021 FORECASTED WASTEWATER REVENUES
NO DSIC OR STAS

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL
RES	2,701,683	2,937,043	2,710,927	2,595,843	2,685,185	2,863,850	2,742,453	2,883,635	2,773,491	2,655,206	2,823,742	2,672,914	33,045,972
COM	1,016,347	1,041,192	1,120,566	916,027	1,030,184	1,194,802	1,040,187	1,282,547	1,135,632	1,138,901	1,158,111	1,082,638	13,157,134
IND	117,471	93,198	190,632	144,020	142,157	165,526	151,802	169,132	170,855	143,985	171,300	164,659	1,824,737
PUB AUTH	182,111	150,349	201,377	199,623	188,981	207,525	215,177	212,140	162,685	214,868	198,833	189,726	2,323,395
BULK	674,229	675,151	727,773	731,287	799,849	731,523	681,938	649,640	602,011	573,805	580,145	600,728	8,028,079
	4,691,841	4,896,933	4,951,275 14,540,049	4,586,800	4,846,356	5,163,226 14,596,382	4,831,557	5,197,094	4,844,674 14,873,325	4,726,765	4,932,131	4,710,665 14,369,561	58,379,317 58,379,317

PENNSYLVANIA AMERICAN WATER COMPANY
QUALIFYING WASTEWATER DSIC EXPENDITURES
TRANSFERRED AMOUNTS
September 2020 - November 2020

WORK ORDER	STATE ACCOUNT	WBS ELEMENT (WORK ORDER)	SEPTEMBER 2020	OCTOBER 2020	NOVEMBER 2020
REPLACE COLLECTION MAINS - FORCE	360000	R24-12B1.20-P-0071	\$ -	\$ 17,120	\$ 43,838
REPLACE COLLECTION MAINS - FORCE	360000	R24-35B1.20-P-0002			833,672
REPLACE COLLECTION MAINS - FORCE	360000	R24-35C1.20-P-0002		(4,750)	
REPLACE COLLECTION MAINS - FORCE	360000	R24-35C1.20-P-0003		9,235	264
REPLACE COLLECTION MAINS - FORCE	360000	R24-35D1.20-P-0002	(59,520)		
REPLACE COLLECTION MAINS - FORCE	360000	R24-38B1.20-P-0002		676,506	(4,532)
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.18-P-0004	(560)		
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.18-P-0007			(25,960)
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.18-P-0009	162		
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0002	(4,175)		
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0005	61,014		
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0006	(10,235)		
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0007	1,373	(7,720)	
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0008	1,233	(755)	
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0009		(12,840)	
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.20-P-0002		72,814	3,587
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.20-P-0004		135,624	26,721
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.20-P-0005		(5,970)	
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.20-P-0006			837,104
REPLACE COLLECTION MAINS - FORCE	360000	R24-47F1.20-P-0003	117		
REPLACE COLLECTION MAINS - FORCE	360000	R24-47H1.20-P-0003			5,071
REPLACE COLLECTION MAINS - FORCE	360000	R24-67C1.20-P-0001	1,364	(1,170)	72
REPLACE COLLECTION MAINS - FORCE	360000	R24-92B1.20-P-0002	139	3	38,085
TOTAL - REPLACE COLLECTION MAINS - FORCE			\$ (9,088)	\$ 878,097	\$ 1,757,922

REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-670008-01	\$ 26,574	\$ -	\$ 41,297
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-920006-01	74,463	1,052	31,086
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-920012-01		7	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-920025-01	460	10,168	(20,425)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0003			68
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0004		(6,558)	64
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0007			68
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0008		29,483	1,645
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0010		96,175	(5,328)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0013		(31,349)	508
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0017			520
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0018			1,003
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0019		(40,562)	625
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0020		(12,958)	(897)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0002		193,441	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0005	661	6,555	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0006	(5,418)		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0007		11,347	19,338
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0010			20,221
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0013	14,615	4,680	(7,587)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0015	986		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0016	229,385	71,729	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0018		11,390	17,715
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0024		(12,222)	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0026	10,072		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0027	21,409	22,954	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0029	25,088	6,840	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0031		61,518	31,954
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0032	(13,097)		8,915
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0034	871		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0035	(367)	9,025	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0037	(17,237)	(8)	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0039		25,664	38,488
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0040		73,903	38,182
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0042		21,076	43,953
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0044		127,872	73,805
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0046	(740)		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0047		144,897	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0049		36,176	43,257
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0051	2,031		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0057	(490)		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0058		(7,161)	2,508
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0061		10,191	19,460
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0063		11,872	16,162
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.20-P-0066		10,093	23,497
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12C1.19-P-0001		466	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12C1.20-P-0001	18,023	22,825	26,126
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-35H1.20-P-0002	8,367		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-38C1.20-P-0001			312
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-47B1.19-P-0010	22,559		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-47D1.20-P-0002		(5)	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.18-P-0006	(28,201)		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0001	(4,385)		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0002	(4,930)		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0003	(1,988)		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0004	(3,272)		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0005	(4,154)		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0006	(32,927)		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0007	(10,980)		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0008	(16,308)		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.20-P-0002	5,137	(18,246)	194
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.20-P-0003	1,474	(4,730)	(1,534)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.20-P-0004	1,484	(11,609)	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.20-P-0005	1,474	(6,777)	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.20-P-0006	6,097	(23,626)	26,176
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.20-P-0007	3,901	(11,465)	1,279
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.20-P-0008	3,563	(30,968)	395
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-60C1.20-P-0001	(70)	234	6
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.20-P-0002	26,584	(772)	105,403

PENNSYLVANIA AMERICAN WATER COMPANY
 QUALIFYING WASTEWATER DSIC EXPENDITURES
 TRANSFERRED AMOUNTS
 September 2020 - November 2020

WORK ORDER	STATE ACCOUNT	WBS ELEMENT (WORK ORDER)	SEPTEMBER	OCTOBER	NOVEMBER
			2020	2020	2020
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.20-P-0003	1,868	12	4
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.20-P-0004	28,396	5	827
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.20-P-0005	4,247		7,289
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.20-P-0006			79,385
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.20-P-0007	3,267	6,282	18,436
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67C1.20-P-0001	29,465	5,459	5,086
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-69C1.20-P-0001	7,253	2,336	(390)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-69F1.18-P-0001		13,136	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.18-P-0003	(114,319)	3,519	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.18-P-0004	(34,566)	41,230	74,377
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.18-P-0005	2,488		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.18-P-0006	497	20,663	35,985
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.19-P-0005	2,468		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.19-P-0006	695		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.20-P-0003	(365)	(12)	47,597
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.20-P-0004	26,645	44,341	85,364
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.20-P-0006	3,428	131,875	90,605
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.20-P-0007	244,020	108,265	305,245
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.20-P-0008	9,607	54,559	154,633
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.20-P-0010	405	1,593	56,688
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.20-P-0012			83,752
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.20-P-0013			29,269
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.20-P-0014			226,840
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.20-P-0015			36,179
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.20-P-0017			324,148
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.20-P-0018		24,028	126,794
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92C1.18-P-0001		1,029	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92C1.19-P-0001	571	51,819	25,548
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92C1.19-P-0002	(30)		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92C1.20-P-0001	84,872	76,495	128,441
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92F1.19-P-0001	1,059		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92F1.20-P-0001	93,990	59,024	26,249
TOTAL COLLECTION MAINS			\$ 756,675	\$ 1,448,275	\$ 2,566,810

PENNSYLVANIA AMERICAN WATER COMPANY
 QUALIFYING WASTEWATER DSIC EXPENDITURES
 TRANSFERRED AMOUNTS
 September 2020 - November 2020

WORK ORDER	STATE ACCOUNT	WBS ELEMENT (WORK ORDER)	SEPTEMBER 2020	OCTOBER 2020	NOVEMBER 2020
REPLACE MANHOLES	361200	I24-920006-01	\$ 11,626	\$ 164	\$ 4,854
REPLACE MANHOLES	361200	I24-920007-01			6,985,647
REPLACE MANHOLES	361200	I24-920025-01	84	1,849	(3,714)
REPLACE MANHOLES	361200	R24-12F1.19-P-0001	67,073	28,051	
REPLACE MANHOLES	361200	R24-12F1.20-P-0001	144,079	209,185	32,738
REPLACE MANHOLES	361200	R24-35F1.20-P-0002		33,869	5,531
REPLACE MANHOLES	361200	R24-58B1.19-P-0001	(560)		
REPLACE MANHOLES	361200	R24-92B1.18-P-0003	(30,415)	936	
REPLACE MANHOLES	361200	R24-92B1.18-P-0004	(1,440)	1,718	3,099
REPLACE MANHOLES	361200	R24-92F1.20-P-0001	(17,926)	(3,773)	(1,030)
TOTAL SERVICE LATERIALS			\$ 172,521	\$ 271,999	\$ 7,027,125
REPLACE SERVICE LATERIALS	363000	R24-47G1.20-P-0002	\$ -	\$ -	\$ (2,000)
REPLACE SERVICE LATERIALS	363000	R24-58H1.20-P-0001	985	1,549	12,799
REPLACE SERVICE LATERIALS	363000	R24-60H1.20-P-0001			3,152
REPLACE SERVICE LATERIALS	363000	R24-67H1.20-P-0001	4,425	43,682	6,654
REPLACE SERVICE LATERIALS	363000	R24-69F1.18-P-0001		(13,136)	
REPLACE SERVICE LATERIALS	363000	R24-69H1.20-P-0001	50,215	45,494	49,225
REPLACE SERVICE LATERIALS	363000	R24-87H1.20-P-0001		172	339
REPLACE SERVICE LATERIALS	363000	R24-92H1.19-P-0001	7,697	5,520	7,086
REPLACE SERVICE LATERIALS	363000	R24-92H1.20-P-0001	13,725	445,404	(64,916)
TOTAL SERVICE LATERIALS			\$ 77,047	\$ 528,685	\$ 12,339
TOTAL DSIC EXPENDITURES			\$ 997,155	\$ 3,127,056	\$ 11,364,196