



Susan Simms Marsh

Deputy General Counsel

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VIA e-Filing

April 20, 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)
Revision to April 1, 2020 Wastewater Operations DSIC filing,
Effective May 1, 2020
M-2020-3019328**

Dear Secretary Chiavetta:

Attached please find the revised calculation for Pennsylvania-American Water Company's April 1, 2020 wastewater DSIC calculation, effective May 1, 2020 for Tariff Wastewater-PA P.U.C. No. 16. In accordance with the April 16, 2020 Commission Order at Docket No. P-2014-2431005, this revision modifies the DSIC to apply to all districts identified in the Joint Petition for Settlement Exhibit No. 1, Table 1 List of PAWC Wastewater Systems. The wastewater DSIC rate remains at 5.00%.

As part of the settlement of the Company's last base rate case at Docket No. R-2017-2595853, approved by the Commission on December 7, 2017, the Company agreed to not impose a DSIC until the total aggregate gross plant costs (before depreciation or amortization) associated with the eligible property that has been placed in service exceeds the aggregate plant costs claimed by the Company in the fully projected future test year (2018). As shown in detail on Appendix E of the settlement, the total aggregate eligible plant costs claimed for the Company's Scranton wastewater operations were \$2,255,998. The Company reached this threshold in May 2019. Please refer to Attachment A to this filing for details of the actual 2018-2019 Scranton wastewater eligible plant costs placed in service. This revised filing includes the cost of plant placed in service beginning in September 2019 for the additional districts permitted by the modified LTIP.

Rosemary Chiavetta, Secretary
Re: Revision to April 1, 2020 Wastewater Operations DSIC filing, Effective May 1, 2020
April 20, 2020
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If you have any questions, please contact me.

Sincerely,



Susan Simms Marsh

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Attachment

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

PENNSYLVANIA-AMERICAN WATER COMPANY
Wastewater Division
(hereinafter referred to as the “Company”)
D/B/A
Pennsylvania American Water

RATES, RULES AND REGULATIONS

GOVERNING THE FURNISHINGS OF

WASTEWATER COLLECTION AND DISPOSAL SERVICE

IN CERTAIN MUNICIPALITIES AND TERRITORIES LOCATED IN:

ADAMS COUNTY, ALLEGHENY COUNTY, BEAVER COUNTY, BERKS COUNTY, CHESTER COUNTY,
CLARION COUNTY, CUMBERLAND COUNTY, LACKAWANNA COUNTY, MONROE COUNTY,
NORTHUMBERLAND COUNTY, PIKE COUNTY, WASHINGTON COUNTY AND YORK COUNTY
ALL IN THE COMMONWEALTH OF PENNSYLVANIA

Issued: April 20, 2020

Effective: May 1, 2020

Issued by:
F. Michael Doran, President
Pennsylvania American Water
852 Wesley Drive
Mechanicsburg, PA 17055

<https://www.amwater.com/paaw/>

NOTICE

This tariff supplement applies the Distribution System Improvement Charge to additional customers as approved in the Company’s modified LTIP at Docket No. P-2014-2431005. (Refer to pages 1, 2, 4, and 18.1)

LIST OF CHANGES

This tariff supplement, page 18.1, applies a Wastewater Distribution System Improvement Charge (DSIC) of 5.00% to all Rate Zones except Rate Zone 7 – Sadsbury, Rate Zone 8 – Turbotville and Rate Zone 9 – Exeter, effective May 1, 2020, in accordance with the Pennsylvania Public Utility Commission Order at Docket No. P-2014-2431005.

PENNSYLVANIA-AMERICAN WATER COMPANY

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(C) means Change and **(I)** means Increase

PENNSYLVANIA-AMERICAN WATER COMPANY

SCHEDULE OF RATES

DISTRIBUTION SYSTEM IMPROVEMENT CHARGE

In addition to the net charges provided for in this Tariff, a charge of 5.00% will apply to bills rendered (I) on or after the Effective Date shown on the bottom of this page.

This Charge will be applicable to:

All Rate Zones except Rate Zone 7 – Sadsbury, Rate Zone 8 – Turbotville and Rate Zone 9 – Exeter. (C)

The above charge will be recomputed quarterly using the elements prescribed by the Commission as shown on pages 18.2, 18.3 and 18.4 of this tariff.

(I) means Increase

WASTEWATER DISTRIBUTION SYSTEM IMPROVEMENT CHARGE

PA AMERICAN WATER

April 1, 2020

(Revised May 1, 2020)

Applicable to :

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

**PENNSYLVANIA AMERICAN WATER
WASTEWATER DISTRIBUTION SYSTEM IMPROVEMENT CHARGE
PAGE 1**

DESCRIPTION	SURCHARGE EFFECTIVE April 1, 2020
APPLICABLE NET ADDITIONS	\$35,446,013
LESS:	
ACCUMULATED DEPRECIATION	(267,854)
RETIREMENTS	292,626
NET RATE BASE INCLUDED IN DISTRIBUTION SYSTEM IMPROVEMENT CALCULATIONS (DSI)	35,470,785
ANNUAL REVENUE REQUIREMENT RATE	9.76%
QUARTERLY REVENUE REQUIREMENT RATE (PTRR)	2.44%
QUARTERLY CAPITAL COST RECOVERY (DSI X PTRR)	865,487
QUARTERLY DEPRECIATION EXPENSE (DEP)	127,511
REVENUE REQUIREMENT PRIOR TO ANNUAL RECONCILIATION AND PRIOR YEAR E FACTOR	992,998
ANNUAL RECONCILIATION (e)	14,936
RECONCILIATION OF PRIOR YEAR E FACTOR	0
REVENUE REQUIREMENT FOR ANNUAL RECONCILIATION AND PRIOR YEAR E FACTOR	14,936
TOTAL QUARTERLY DISTRIBUTION SYSTEM IMPROVEMENT CHARGE REVENUE REQUIREMENT	1,007,934
MONTHLY RECOVERABLE AMOUNT FOR REVENUE REQUIREMENT	330,999
MONTHLY RECOVERABLE AMOUNT FOR ANNUAL RECONCILIATION AND PRIOR YEAR E FACTOR	4,979
BASE RATE REVENUE TO BE COLLECTED DURING APRIL THROUGH JUNE (PQR)	14,691,244
CURRENT YEAR DISTRIBUTION SYSTEM IMPROVEMENT CHARGE	6.76%
ANNUAL RECONCILIATION AND PRIOR YEAR E FACTOR CHARGE	0.10%
DISTRIBUTION SYSTEM IMPROVEMENT CHARGE (DSIC)	6.86%
LESS: DISTRIBUTION SYSTEM IMPROVEMENT CHARGE - ADJUSTMENT TO CAP	-1.86%
DISTRIBUTION SYSTEM IMPROVEMENT CHARGE - CAP 5%	5.00%

TYPE	AMOUNT (\$000)	CAPITAL STRUCTURE	COST RATE	WEIGHTED AVERAGE COST RATE	REVENUE MULTIPLIER	REVENUE REQUIREMENT
DEBT	\$1,667,949	44.69%	4.53%	2.02%		2.02%
PREFERRED	2,852	0.08%	8.74%	0.01%	1.40631	0.01%
EQUITY	2,061,861	55.24%	9.95%	5.50%	1.40631	7.73%
TOTAL	\$3,732,662	100.00%		7.53%		9.76%

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: 02/29/2019. PREFERRED STOCK AND DEBT FIGURES DO NOT REFLECT THE REQUIREMENTS OF FAS150.

ANTICIPATED REVENUES

April 2020	\$4,771,420
May	\$4,767,066
June	\$5,152,758
TOTAL	<u>\$14,691,244</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	TOTAL
380000	Mains - Force	\$272,566	\$259,442	\$50,119	(\$2,433)	\$625,079	\$28,804	\$73	\$665,268	\$52,142	\$105,000	\$2,050,314	\$19,772	\$141,924	\$47,228	\$4,615,296
381100	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	29,216,056
381200	Manholes									13,072	25,388	602,626	454,991	139,774	180,310	1,418,161
383000	Service Laterals	2,051	2,300	17,901	19,404	29,557	49,887	19,957	53,838	111,159	68,279	20,312	25,810	22,929	47,763	491,127
384000	Flow Measuring Devices															-
385000	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	35,738,639
	RETIREMENTS	(42,283)	-	-	-	-	-	(43,634)	(200,432)	-	(3,663)	(162)	(2,334)	(118)	-	(292,626)
	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	\$35,446,013

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	TOTAL
380000	\$42,283														\$42,283
381000							43,634	200,432		2,621		2,334	118		249,139
383000										1,042					1,042
384000															-
385000											162				162
	\$42,283	\$0	\$0	\$0	\$0	\$0	\$43,634	\$200,432	\$0	\$3,663	\$162	\$2,334	\$118	\$0	\$292,626

STATE ACCOUNT	DESCRIPTION	EFFECTIVE FOR ADDITIONS		EFFECTIVE FOR ADDITIONS												TOTAL		
		PRIOR TO 8.1.2019 DEPRECIATION RATE	8.1.2019 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	TOTAL
380000	Mains - Force	1.82%	1.78%	\$1,240	\$1,100	\$228	-\$11	\$2,844	\$121	\$0	\$4,392	\$233	\$470	\$9,175	\$68	\$625	\$211	\$ 20,816
381100	Mains Gravity	1.45%	1.32%	1,828	159	409	122	271	143	987	4,367	237	1,284	71,942	7,878	6,100	1,428	\$ 97,153
381200	Manholes	2.10%	1.61%	0	0	0	0	0	0	0	0	53	102	2,426	1,831	563	726	\$ 5,701
383000	Service Laterals	3.08%	3.16%	16	18	138	149	228	384	154	415	878	639	160	204	181	372	\$ 3,841
364000	Flow Measuring Devices	7.13%	5.97%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
385000	Flow Measuring Installs	3.47%	3.47%	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										6,619
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
ACCUMULATED DEPRECIATION				\$15,420	\$6,785	\$3,100	\$1,040	\$13,372	\$1,974	\$3,423	\$37,922	\$2,802	\$4,790	\$187,406	\$9,999	\$7,479	\$2,742	\$ 287,854

Pennsylvania-American Water Company - Total
Schedule of Debt
02/29/2019

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	6.78%	\$2,576,400		\$174,946	\$37,825,054	99.54%		2.28%	6.82%	0.1554%
9/1/2006	9/1/2026	150,000,000	\$150,000,000	7.80%	\$11,700,000		2,069,648	\$147,930,352	98.62%		8.99%	7.94%	0.7141%
1/15/2006	1/15/2021	20,000,000	\$20,000,000	9.69%	\$1,938,000		116,061	\$19,883,939	99.42%		1.20%	9.76%	0.1170%
11/1/2004	11/1/2031	10,000,000	\$10,000,000	8.82%	\$882,000		88,352	\$9,911,648	99.12%		0.60%	8.91%	0.0534%
8/1/2004	8/1/2025	10,000,000	\$10,000,000	8.15%	\$815,000		60,119	\$9,939,881	99.40%		0.60%	8.21%	0.0492%
1/31/2007	12/21/2021	100,300,000	\$45,135,000	5.77%	\$2,604,290		332,690	\$99,967,310	99.67%		2.71%	5.80%	0.1569%
12/21/2012	12/1/2042	23,015,000	\$23,015,000	4.30%	\$989,645	1	895,945	\$22,119,055	96.11%		1.38%	4.54%	0.0626%
12/17/2012	12/1/2042	45,000,000	\$45,000,000	4.30%	\$1,935,000	2	582,689	\$44,417,311	98.71%		2.70%	4.38%	0.1182%
11/21/2011	10/15/2037	35,000,000	\$35,000,000	5.05%	\$1,767,500		0	\$35,000,000	100.00%		2.10%	5.05%	0.1060%
11/21/2011	10/15/2037	15,500,000	\$15,500,000	5.05%	\$782,750		740,260	\$14,759,740	95.22%		0.93%	5.39%	0.0501%
11/20/2013	3/1/2024	67,000,000	\$67,000,000	3.85%	\$2,579,500		791,901	\$66,208,099	98.82%		4.02%	3.99%	0.1603%
8/14/2014	3/1/2025	36,200,000	\$36,200,000	3.40%	\$1,230,800		1,189,364	\$35,010,636	96.71%		2.17%	3.78%	0.0820%
8/14/2014	12/1/2042	65,700,000	\$65,700,000	4.30%	\$2,825,100		4,432,879	\$61,267,121	93.25%		3.94%	4.74%	0.1867%
8/10/2017	9/1/2047	240,000,000	\$240,000,000	3.75%	\$9,000,000		3,231,905	\$236,768,095	98.65%		14.39%	3.83%	0.5511%
9/13/2017	9/1/2027	101,426,171	\$101,426,171	2.95%	\$2,992,072	3	11,291,519	\$90,134,652	88.87%		6.08%	4.34%	0.2639%
8/9/2018	9/1/2028	74,739,360	\$74,739,360	3.75%	\$2,802,726		623,814	\$74,115,546	99.17%		4.48%	3.85%	0.1725%
8/9/2018	9/1/2048	227,489,000	\$227,489,000	4.20%	\$9,554,538		2,490,214	\$224,998,786	98.91%		13.64%	4.26%	0.5810%
9/11/2018	9/1/2028	124,719,875	\$124,719,875	3.75%	\$4,676,995	4	8,287,774	\$116,432,101	93.35%		7.48%	4.59%	0.3432%
5/23/2019	6/1/2029	110,000,000	\$110,000,000	3.45%	\$3,795,000		1,141,559	\$108,858,441	98.96%		6.59%	3.57%	0.2354%
6/21/2019	4/1/2039	80,000,000	\$80,000,000	3.00%	\$2,400,000	5	1,996,698	\$78,003,302	97.50%		4.80%	3.17%	0.1520%
12/12/2019	12/3/2029	80,000,000	\$80,000,000	2.45%	\$1,960,000	6	1,907,647	\$78,092,353	97.62%		4.80%	2.72%	0.1305%
12/12/2019	12/3/2029	13,165,000	\$13,165,000	2.45%	\$322,543	6	483,935	\$12,681,065	96.32%		0.79%	2.88%	0.0227%
Pennvest Loans													
7/1/2012	12/1/2022	3,945,656	646,087	2.77%	17,922	7	8,480	3,937,176	99.79%		0.04%	2.80%	0.0011%
7/1/2012	3/1/2022	3,366,155	443,830	3.24%	14,367	9	56,803	3,309,352	98.31%		0.03%	3.44%	0.0009%
7/1/2012	3/1/2022	3,623,800	477,642	3.24%	15,461	10	25,430	3,598,370	99.30%		0.03%	3.32%	0.0010%
7/1/2012	9/1/2022	4,322,665	684,059	3.24%	22,143	11	25,445	4,297,220	99.41%		0.04%	3.31%	0.0014%
7/1/2012	7/1/2024	1,559,205	334,703	2.77%	9,285	12	13,749	1,545,456	99.12%		0.02%	2.86%	0.0006%
7/1/2012	11/1/2024	5,721,348	1,415,909	1.16%	16,368	13	29,484	5,691,864	99.48%		0.08%	1.20%	0.0010%
7/1/2012	12/1/2025	5,670,111	1,426,861	2.76%	39,424	14	34,130	5,635,981	99.40%		0.09%	2.82%	0.0024%
7/1/2012	8/1/2024	5,240,631	1,372,047	2.77%	38,061	15	7,951	5,232,680	99.85%		0.08%	2.79%	0.0023%
7/1/2012	10/1/2024	3,099,441	828,730	2.43%	20,155	16	5,660	3,093,781	99.82%		0.05%	2.45%	0.0012%
7/1/2012	9/1/2029	2,359,891	1,234,491	2.55%	31,442	17	0	2,359,891	100.00%		0.07%	2.55%	0.0019%
7/1/2012	2/1/2031	12,150,000	7,255,132	2.69%	195,163	18	0	12,150,000	100.00%		0.43%	2.69%	0.0117%
7/1/2012	10/1/2032	9,936,500	6,888,478	3.12%	214,714	19	0	9,936,500	100.00%		0.41%	3.12%	0.0129%
7/1/2012	12/1/2031	1,606,709	1,048,816	3.10%	32,492	20	0	1,606,709	100.00%		0.06%	3.10%	0.0019%
7/1/2012	3/1/2041	1,724,610	1,308,755	1.00%	13,088	21	0	1,724,610	100.00%		0.08%	1.00%	0.0008%
7/1/2012	4/1/2031	1,675,790	1,179,726	2.81%	33,150	22	0	1,675,790	100.00%		0.07%	2.81%	0.0020%
7/1/2012	3/1/2032	1,273,465	748,565	2.69%	20,136	23	0	1,273,465	100.00%		0.04%	2.69%	0.0012%
3/22/2013	3/1/2033	1,378,357	919,497	2.20%	20,192	24	0	1,378,357	100.00%		0.06%	2.20%	0.0012%
4/1/2015	2/1/2037	15,833,700	13,330,346	1.00%	133,303	25	0	15,833,700	100.00%		0.80%	1.00%	0.0080%
10/15/2015	7/1/2040	123,663	104,160	1.00%	1,042	26	0	123,663	100.00%		0.01%	1.00%	0.0001%
10/15/2015	7/1/2040	969,823	816,873	1.00%	8,169	27	0	969,823	100.00%		0.05%	1.00%	0.0005%
4/21/2016	11/1/2026	2,141,062	1,558,304	1.36%	21,193	28	0	2,141,062	100.00%		0.09%	1.36%	0.0013%
12/29/2016	11/1/2037	7,785,187	6,819,437	1.00%	68,194	29	0	7,785,187	100.00%		0.41%	1.00%	0.0041%
6/14/2017	11/1/2036	5,549,947	5,016,970	1.44%	72,244	30	0	5,549,947	100.00%		0.30%	1.44%	0.0043%
		\$1,768,312,123	\$1,667,948,826		\$71,187,567		\$43,137,050	\$1,725,175,073		\$0	100.00%		4.53%

Pennsylvania-American Water Company - Total
Schedule of Debt
02/29/2019

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

PENNSYLVANIA AMERICAN WATER COMPANY
SCHEDULE OF PREFERRED STOCK
02/29/2019

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
 2020 FORECASTED WASTEWATER REVENUES INCLUDING ALL SYSTEMS IN APPROVED LTIP
 NO DSIC OR STAS

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL
RES	2,817,821	3,010,268	2,799,034	2,715,564	2,774,342	3,001,545	2,903,053	2,854,478	3,035,612	2,740,238	2,916,550	2,851,416	34,419,921
COM	1,026,770	1,085,644	1,029,056	1,105,363	1,113,491	1,163,315	1,108,785	1,354,798	1,223,067	1,119,360	1,158,180	1,031,148	13,518,977
IND	140,319	149,902	114,409	173,459	132,225	155,474	134,247	130,430	124,863	137,157	129,834	111,551	1,633,870
PUB AUTH	188,003	156,154	146,762	164,557	137,765	186,301	121,636	271,641	172,907	156,577	169,962	140,364	2,012,629
BULK	523,092	542,221	632,378	612,477	609,243	646,123	583,291	632,720	762,540	738,468	728,049	773,183	7,783,785
	4,696,005	4,944,189	4,721,639 14,361,833	4,771,420	4,767,066	5,152,758 14,691,244	4,851,012	5,244,067	5,318,989 15,414,068	4,891,800	5,102,575	4,907,662 14,902,037	59,369,182

PENNSYLVANIA AMERICAN WATER COMPANY
 QUALIFYING WASTEWATER DSIC EXPENDITURES
 TRANSFERRED AMOUNTS
 September 2019 - November 2019

WORK ORDER	STATE ACCOUNT	WBS ELEMENT (WORK ORDER)	ORIGINAL FILING			INCREMENTAL UPDATE FOR MODIFIED LTIP			REVISED FILING		
			SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019	SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019	SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019
REPLACE COLLECTION MAINS - FORCE	360000	I24-690001-07	\$ (3,660)						\$ (3,660)		
REPLACE COLLECTION MAINS - FORCE	360000	R24-12B1.19-P-0002				12,809	18,659		12,809	18,659	
REPLACE COLLECTION MAINS - FORCE	360000	R24-12C1.19-P-0002									
REPLACE COLLECTION MAINS - FORCE	360000	R24-35B1.19-P-0002						564,065			564,065
REPLACE COLLECTION MAINS - FORCE	360000	R24-38B1.19-P-0002						232,249			232,249
REPLACE COLLECTION MAINS - FORCE	360000	R24-38B1.19-P-0003						108,353			108,353
REPLACE COLLECTION MAINS - FORCE	360000	R24-38B1.19-P-0004						158,385			158,385
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.18-P-0002	22,736	(1)					22,736	(1)	
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.18-P-0007	19,751	(1)	40				19,751	(1)	40
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.18-P-0009			64,029						64,029
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0002			135,506						135,506
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0003		(23,427)						(23,427)	
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0004			8,708						8,708
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0005			222,483						222,483
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0006			330,376						330,376
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0007			4,565					107,074	4,565
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0008	215	2,696	13,726				215	2,696	13,726
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0009			208,391						208,391
REPLACE COLLECTION MAINS - FORCE	360000	R24-67C1.19-P-0001			(562)				291		(562)
TOTAL - REPLACE COLLECTION MAINS - FORCE			\$ 39,333	\$ 86,341	\$ 987,262	\$ 12,809	\$ 18,659	\$ 1,063,052	\$ 52,142	\$ 105,000	\$ 2,050,314
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-120008-01					\$ 5,084,733				\$ 5,084,733
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-350001-04				631	(37)		631	(37)	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-380001-01					(1,335)	(1,370)		(1,335)	(1,370)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-670008-01			5,301,706						5,301,706
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-690001-07	(179,506)						(179,506)		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-920006-01						1,194,376			1,194,376
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-920013-01					(21,576)			(21,576)	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-920025-01						1,996,114			1,996,114
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0004						92,584			92,584
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0005						18,492			18,492
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0006						141,656			141,656
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0009						89,228			89,228
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0011						24,544			24,544
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0012						22,378			22,378
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0013						193,494			193,494
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0014						131,632			131,632
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0015						29,025			29,025
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0016						43,454			43,454
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1.19-P-0017						246,606			246,606
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12C1.19-P-0001				7,919	8,051	35,409	7,919	8,051	35,409
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12F1.19-P-0001						4,865,126			4,865,126
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-47B1.18-P-0008	20,417	16,347	7,456				20,417	16,347	7,456
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-47B1.19-P-0010			34,285						34,285
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-47H1.19-P-0001			1,001						1,001
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.18-P-0002			(8,993)						(8,993)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.18-P-0003			(4,162)						(4,162)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0001	3,202	21					3,202	21	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0002	4,314	24	1,088				4,314	24	1,088
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0003	3,496	1,602	(490)				3,496	1,602	(490)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0004	4,703	24					4,703	24	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0005	3,097	989	(458)				3,097	989	(458)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0006			247,678						247,678
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0007			56,354						56,354
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0008	6,985	4,555	3,792				6,985	4,555	3,792
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58C1.19-P-0001	2,986	90	2				2,986	90	2
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-60B1.18-P-0001				12,531			12,531		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.18-P-0004		(1)						(1)	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.18-P-0009							193		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.18-P-0010	193								
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.19-P-0001		1,016						1,016	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.19-P-0002			102,412						102,412
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.19-P-0003	2,650	2,547					2,650	2,547	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.19-P-0003	2,382	5,605					2,382	5,605	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67C1.19-P-0001	12,730		3,575				12,730		3,575
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-69F1.19-P-0001		1,898						1,898	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-87B1.18-P-0001				27,973			27,973		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-87C1.19-P-0001					7,184			7,184	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.17-P-0001						186			186
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.18-P-0002						1,163,702			1,163,702
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.18-P-0003						77,076			77,076
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.18-P-0005						121,288			121,288
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.18-P-0006						52,795			52,795
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.18-P-0007				113			113		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.18-P-0008					264			264	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.19-P-0002						196,915			196,915
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1.19-P-0005						46,429			46,429
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92C1.17-P-0001								(1)	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92C1.18-P-0001				2,556	417	1,946	2,556	417	1,946
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92C1.19-P-0001	64,760	316,049	228,352				64,760	316,049	228,352
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92D1.17-P-0001				361	4,232	841			841
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92F1.19-P-0001				67,428	(2,960)	1,976	67,428	(2,960)	1,976
TOTAL COLLECTION MAINS			\$ (112,351)	\$ 78,917	\$ 5,701,606	\$ 184,272	\$ 310,288	\$ 16,099,098	\$ 71,921	\$ 389,205	\$ 21,800,704

PENNSYLVANIA AMERICAN WATER COMPANY
 QUALIFYING WASTEWATER DSIC EXPENDITURES
 TRANSFERRED AMOUNTS
 September 2019 - November 2019

WORK ORDER	STATE ACCOUNT	WBS ELEMENT (WORK ORDER)	ORIGINAL FILING			INCREMENTAL UPDATE FOR MODIFIED LTIP			REVISED FILING		
			SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019	SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019	SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019
REPLACE MANHOLES	361200	I24-920006-01						\$ 186,487			\$ 186,487
REPLACE MANHOLES	361200	I24-920025-01					362,930				362,930
REPLACE MANHOLES	361200	R24-47F1.15-P-0002	(5,211)						(5,211)		
REPLACE MANHOLES	361200	R24-58B1.16-P-0002	(4,609)						(4,609)		
REPLACE MANHOLES	361200	R24-58B1.19-P-0001	5,347	3					5,347	3	
REPLACE MANHOLES	361200	R24-67F1.19-P-0001	3,262		1,436				3,262		1,436
REPLACE MANHOLES	361200	R24-92B1.16-P-0002						31,360			31,360
REPLACE MANHOLES	361200	R24-92B1.18-P-0003						20,413			20,413
REPLACE MANHOLES	361200	R24-92F1.19-P-0001									
		TOTAL SERVICE LATERALS	\$ (1,211)	\$ 3	\$ 1,436	\$ 14,283	\$ 25,385	\$ 601,190	\$ 14,283	\$ 25,385	\$ 602,626
REPLACE SERVICE LATERALS	363000	I24-690001-07	\$ (18,196)						\$ (18,196)		
REPLACE SERVICE LATERALS	363000	R24-47H1.19-P-0001	1,001	(7,377)					1,001	(7,377)	
REPLACE SERVICE LATERALS	363000	R24-58H1.19-P-0001			2,599						2,599
REPLACE SERVICE LATERALS	363000	R24-60H1.19-P-0001					1,751			1,751	
REPLACE SERVICE LATERALS	363000	R24-67F1.19-P-0001	141		(132)				141		(132)
REPLACE SERVICE LATERALS	363000	R24-67H1.19-P-0001	20,907	(72)	164				20,907	(72)	164
REPLACE SERVICE LATERALS	363000	R24-69F1.19-P-0001	1,898	(1,840)					1,898	(1,840)	
REPLACE SERVICE LATERALS	363000	R24-69H1.19-P-0001	72,562	47,896	52				72,562	47,896	52
REPLACE SERVICE LATERALS	363000	R24-87H1.19-P-0001					1,180			1,180	
REPLACE SERVICE LATERALS	363000	R24-92H1.19-P-0001						17,629			17,629
		TOTAL SERVICE LATERALS	\$ 78,313	\$ 38,607	\$ 2,683	\$ 32,846	\$ 29,672	\$ 17,629	\$ 32,846	\$ 26,741	\$ 17,629
		TOTAL DSIC EXPENDITURES	\$ 4,084	\$ 203,868	\$ 6,652,987	\$ 244,210	\$ 384,004	\$ 17,780,969	\$ 248,294	\$ 587,872	\$ 24,473,956

PENNSYLVANIA AMERICAN WATER COMPANY
 QUALIFYING WASTEWATER DSIC EXPENDITURES
 TRANSFERRED AMOUNTS
 December 2019 - February 2020

WORK ORDER	STATE ACCOUNT	WBS ELEMENT (WORK ORDER)	INCREMENTAL UPDATE FOR MODIFIED LTMP			REVISED FILING					
			DECEMBER 2019	JANUARY 2020	FEBRUARY 2020	DECEMBER 2019	JANUARY 2020	FEBRUARY 2020			
REPLACE COLLECTION MAINS - FORCE	360000	R24-12C1 19-P-0002				\$ 52	\$ 509	\$ 738	\$ 52	\$ 509	\$ 738
REPLACE COLLECTION MAINS - FORCE	360000	R24-35B1 19-P-0002				10,909	23,465		10,909	23,465	
REPLACE COLLECTION MAINS - FORCE	360000	R24-36B1 19-P-0002				532	20,766		532	20,766	
REPLACE COLLECTION MAINS - FORCE	360000	R24-38B1 19-P-0003				(18)	6,455		(18)	6,455	
REPLACE COLLECTION MAINS - FORCE	360000	R24-38B1 19-P-0004				158	25,291		158	25,291	
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1 18-P-0002	294	6					294	6	
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1 18-P-0007	-	1					-	1	
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1 18-P-0009	871	254					871	254	
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1 19-P-0002	1,527	72					1,527	72	
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1 19-P-0004	3	168					3	168	
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1 19-P-0005	(1,344)	2,926					(1,344)	2,926	
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1 19-P-0006	(191)	6,096					(191)	6,096	
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1 19-P-0007	2,387	(4,086)	912				2,387	(4,086)	912
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1 19-P-0008	169	(145)					169	(145)	
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1 19-P-0009	4,423	3,649					4,423	3,649	
REPLACE COLLECTION MAINS - FORCE	360000	R24-67C1 20-P-0001		547	171					547	171
REPLACE COLLECTION MAINS - FORCE	360000	R24-92B1 20-P-0002					55,950	45,405		55,950	45,405
TOTAL - REPLACE COLLECTION MAINS - FORCE			\$ 8,139	\$ 9,488	\$ 1,083	\$ 11,833	\$ 132,436	\$ 46,143	\$ 19,772	\$ 141,924	\$ 47,226
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-120008-01				\$ 1,250,462	\$ 550,220	\$ (274,498)	\$ 1,250,462	\$ 550,220	\$ (274,498)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-380001-01				1,563	6		1,563	6	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-670008-01	109,109	192,596	916				109,109	192,596	916
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-920006-01				(63,660)	37,182	1,799	(63,660)	37,182	1,799
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-920025-01				116,926	94,474	1,999	116,926	94,474	1,999
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0003				226,001	6,035	1,235	226,001	6,035	1,235
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0004				2,213	3,800	1,235	2,213	3,800	1,235
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0005				(8,105)	200		(8,105)	200	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0006				(19,191)	2,357		(19,191)	2,357	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0007					135,391	1,235		135,391	1,235
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0009				(5,415)	1,614		(5,415)	1,614	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0010					242,399	1,235		242,399	1,235
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0011				(8,544)	308		(8,544)	308	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0012				(9,561)	247		(9,561)	247	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0013				8	2,371	18,982	8	2,371	18,982
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0014				(12,565)	2,292		(12,565)	2,292	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0015				(9,705)	357		(9,705)	357	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0016				(17,804)	494		(17,804)	494	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0017				5,249	6,063	96,795	5,249	6,063	96,795
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0018					360,520	1,235		360,520	1,235
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0019						232,041			232,041
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12B1 19-P-0020				386,066	15,581	1,235	386,066	15,581	1,235
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12C1 18-P-0002						27,982			27,982
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12C1 19-P-0001				(26,619)	480		(26,619)	480	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12C1 20-P-0001						59,293			59,293
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-12F1 19-P-0001				(174,491)			(174,491)		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-47B1 18-P-0008	128,262	6,599	3,150				128,262	6,599	3,150
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-47B1 19-P-0010	497	7,552	(249)				497	7,552	(249)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-47E1 17-P-0002	24,980						24,980		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-47H1 20-P-0001									2,735
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1 18-P-0001									(10,501)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1 18-P-0002									(3,394)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1 18-P-0003									(8,742)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1 18-P-0005									(11,952)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1 18-P-0006									(5,192)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1 19-P-0001	447	545					447	545	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1 19-P-0002	(260)	211					(260)	211	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1 19-P-0003	857	262					857	262	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1 19-P-0004	328	228					328	228	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1 19-P-0005	298	218					298	218	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1 19-P-0006	1,602	(478)	2,170				1,602	(478)	2,170
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1 19-P-0007	(500)	598					(500)	598	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1 19-P-0008	1,716	107					1,716	107	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-60B1 18-P-0001					(91)			(91)	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1 18-P-0006	(4,102)	(79)					(4,102)	(79)	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1 18-P-0010	11	666					11	666	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1 19-P-0001	18,796	61,968	690				18,796	61,968	690
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1 19-P-0002	27	5,117					27	5,117	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1 19-P-0003	58	8,537					58	8,537	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67C1 20-P-0001			3,781						3,781
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-69C1 20-P-0001			429						429
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1 17-P-0001				2	122		2	122	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1 18-P-0002				75,691	13,206		75,691	13,206	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1 18-P-0003				376,186	(35,160)	2,789	376,186	(35,160)	2,789
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1 18-P-0005				47,677	(21,345)	(10)	47,677	(21,345)	(10)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1 18-P-0006				1,665	(20,168)	11	1,665	(20,168)	11
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1 18-P-0008				(110)	395		(110)	395	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1 19-P-0002				(31,653)	(3,088)	3,192	(31,653)	(3,088)	3,192
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1 19-P-0005				1,914	(16,922)	1,477	1,914	(16,922)	1,477
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92B1 19-P-0006						96,548			96,548
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92C1 18-P-0001				418	481	1,455	418	481	1,455
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92C1 20-P-0001					187,114	163,015		187,114	163,015
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92D1 17-P-0001				54	(3,205)	9,060	54	(3,205)	9,060
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-92F1 20-P-0001						9,401			9,401
TOTAL COLLECTION MAINS			\$ 282,126	\$ 284,647	\$ (26,159)	\$ 2,104,672	\$ 1,563,730	\$ 458,741	\$ 2,386,798	\$ 1,848,377	\$ 432,582

ATTACHMENT A

**PA American Water
DSIC Capitalization (Investment) - 2018
Wastewater (Scranton)**

2018 & 2019 Actual

2018 Rate Case - Claimed

	<u>Amount Capitalized</u> <u>Cumulative (YTD)</u>		<u>Amount Capitalized</u> <u>Cumulative (YTD)</u>	
2018				
Jan	\$ 5,642	\$ 5,642	\$ 146,071	\$ 146,071
Feb	87,102	92,744	146,071	292,141
Mar	79,104	171,848	146,071	438,212
Apr	56,936	228,784	177,752	615,964
May	45,079	273,863	177,752	793,716
Jun	45,230	319,093	177,752	971,468
Jul	110,335	429,427	252,947	1,224,415
Aug	270,180	699,608	252,947	1,477,363
Sep	55,857	755,464	252,947	1,730,310
Oct	62,321	817,786	175,229	1,905,539
Nov	272,644	1,090,429	175,229	2,080,769
Dec	621,604	1,712,033	175,229	2,255,998
2019				
Jan	112,868	1,824,901		
Feb	62,177	1,887,077		
Mar	145,674	2,032,751		
Apr	153,606	2,186,357		
May	76,091	2,262,448		
Total YTD	\$ 2,262,448		\$ 2,255,998	

PA American Water
 DSIC Eligible Investment 2018
 Scranton Wastewater

Utility Account	WO Number	2018 Jan	2018 Feb	2018 Mar	2018 Apr	2018 May	2018 Jun	2018 Jul	2018 Aug	2018 Sep	2018 Oct	2018 Nov	2018 Dec	2019 Jan	2019 Feb	2019 Mar	2019 Apr	2019 May	Total
354200-WW Struct & Imp Collection (Lift Station)	R24-92D1.17-P-0001	-	-	-	-	-	-	29,664	-	-	-	-	34,548	-	-	-	-	-	34,548
360000-Mains - Force	R24-92F1.18-P-0001	-	-	-	-	-	-	-	-	-	-	-	133,273	3,500	(181)	-	78	-	29,664
361100-Mains - Gravity	R24-92B1.17-P-0001	-	-	-	-	-	-	-	-	-	-	-	10	2,970	(1,790)	-	(2,505)	3,260	136,671
361100-Mains - Gravity	R24-92B1.17-P-0002	-	-	-	-	-	-	-	175,858	(0)	863	12,985	17,788	10	(712)	-	-	-	191,653
361100-Mains - Gravity	R24-92B1.18-P-0007	-	-	-	-	-	-	-	-	-	-	155,363	17,788	(712)	677	-	1,495	3,260	174,612
361100-Mains - Gravity	R24-92B1.18-P-0008	-	-	-	-	-	-	-	-	-	-	-	73,975	37,855	(19,938)	(1,929)	12,129	-	102,092
361100-Mains - Gravity	R24-92C1.17-P-0001	-	48,592	13,813	15,000	3,731	(618)	25,183	25,560	18,146	12,151	20,900	4,993	3,973	(488)	388	-	1,804	193,128
361100-Mains - Gravity	R24-92C1.18-P-0001	3,001	9,291	1,539	10,622	9,747	5,021	11,889	32,448	5,996	6,169	31,792	29,533	19,238	(809)	539	428	856	177,299
361100-Mains - Gravity	R24-92D1.17-P-0001	-	-	-	-	-	-	-	-	-	-	-	187,714	8,793	7,744	9,487	-	-	213,738
361100-Mains - Gravity	R24-92F1.17-P-0001	-	366	(2,471)	1,130	(423)	-	-	-	-	-	2,692	(1,186)	(54)	-	-	-	-	54
361100-Mains - Gravity	R24-92F1.18-P-0001	219	11,337	37,467	16,059	20,218	20,454	8,059	15,836	24,968	34,700	44,424	8,508	1,671	1,566	(1,607)	-	-	243,878
361100-Mains - Gravity	R24-92H1.17-P-0001	-	3,125	(184)	-	-	-	-	-	-	-	-	8,298	-	-	-	-	-	11,239
363000-Service Laterals	R24-92F1.17-P-0001	-	366	(2,471)	1,130	(423)	-	-	-	-	-	2,692	(1,186)	(54)	-	-	-	-	54
363000-Service Laterals	R24-92H1.18-P-0001	2,422	14,024	31,413	12,994	12,229	20,373	35,540	20,477	6,748	8,438	1,797	40,809	-	-	-	-	-	207,262
380000-Other Related Capitalized Costs (Lift Station-Treatment Equipment)	R24-92Q1.17-P-0019	-	-	-	-	-	-	-	-	-	-	-	84,526	-	-	-	-	-	84,526
361100-Mains - Gravity	I24-920013-01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,730	6,491	20,220
361200-WW Manholes	R24-92F1.19-P-0001	-	-	-	-	-	-	-	-	-	-	-	-	13,550	59,994	92,763	93,672	25,403	285,382
361100-Mains - Gravity	R24-92C1.19-P-0001	-	-	-	-	-	-	-	-	-	-	-	-	22,137	995	3,392	(611)	(389)	25,523
361100-Mains - Gravity	R24-92F1.19-P-0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,812
361100-Mains - Gravity	R24-92H1.19-P-0001	-	-	-	-	-	-	-	-	-	-	-	-	-	14,406	42,640	35,190	36,855	1,812
363000-Service Laterals	R24-92H1.19-P-0001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	129,091
Total		5,642	87,102	79,104	56,936	45,079	45,230	110,395	270,180	55,857	62,321	272,644	621,604	112,868	62,177	145,674	153,606	76,091	2,262,448

**PENNSYLVANIA-AMERICAN WATER COMPANY
DSIC ELIGIBLE GROSS PLANT ADDITIONS
FUTURE TEST FOR YEAR ENDED DECEMBER 31, 2018
R-2017-2595853, JOINT PETITION FOR SETTLEMENT, APPENDIX E**

Scranton Wastewater	\$	2,255,998
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PENNSYLVANIA-AMERICAN WATER COMPANY
DSIC ELIGIBLE GROSS PLANT ADDITIONS
FUTURE TEST FOR YEAR ENDED DECEMBER 31, 2018
SCRANTON WASTEWATER OPERATIONS
SOURCE: VOLUME 5 EXHIBIT NO. 3-C

STATE ACCT NO	DESCRIPTION OF ADDITION	PROJECT NUMBER	ADDITION AMOUNT	COMP DATE
361.10				
	Collection Sewers - Gravity Mains - Replaced / Restored	B	27,855	3/31/2018
	Collection Sewers - Gravity Mains - Unscheduled	C	276,952	3/31/2018
	Collection Sewers - Gravity Mains - Relocated	D	69,239	3/31/2018
	Collection Sewers - Gravity Mains - Replaced / Restored	B	238,256	6/30/2018
	Collection Sewers - Gravity Mains - Unscheduled	C	172,678	6/30/2018
	Collection Sewers - Gravity Mains - Relocated	D	43,170	6/30/2018
	Collection Sewers - Gravity Mains - Replaced / Restored	B	289,126	9/30/2018
	Collection Sewers - Gravity Mains - Unscheduled	C	300,445	9/30/2018
	Collection Sewers - Gravity Mains - Relocated	D	75,112	9/30/2018
	Collection Sewers - Gravity Mains - Replaced / Restored	B	130,763	12/31/2018
	Collection Sewers - Gravity Mains - Unscheduled	C	249,921	12/31/2018
	Collection Sewers - Gravity Mains - Relocated	D	62,482	12/31/2018
	Account Subtotal		<u>\$1,935,999</u>	
361.20				
	Manholes - Replaced	F	24,600	3/31/2018
	Manholes - Replaced	F	31,826	6/30/2018
	Manholes - Replaced	F	32,200	9/30/2018
	Manholes - Replaced	F	31,373	12/31/2018
	Account Subtotal		<u>\$119,999</u>	
363.00				
	Services and Laterals - Replaced	H	39,566	3/31/2018
	Services and Laterals - Replaced	H	47,326	6/30/2018
	Services and Laterals - Replaced	H	61,959	9/30/2018
	Services and Laterals - Replaced	H	51,149	12/31/2018
	Account Subtotal		<u>\$200,000</u>	
	Grand Total		<u><u>\$2,255,998</u></u>	