

VIA e-Filing

March 20, 2019

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

**Re: Pennsylvania-American Water Company
Wastewater Operations DSIC filing effective April 1, 2019**

Dear Secretary Chiavetta:

Attached please find Supplement No. 12 to Tariff Wastewater Pa P.U.C. No. 16 for Pennsylvania American Water Company ("Company"), which bears the issue date of March 20, 2019, filed in accordance with the Pennsylvania Utility Commission ("Commission") Order at Docket No. P-2014-2431005, entered December 4, 2014.

This tariff supplement will be effective only for the Company's operating districts that are currently included in the approved LTIP:

Rate Zone 1 – Coatesville, Claysville, Clarion, Pocono, Northeast
(Lehman Pike including Winona Lakes, Blue Mountain Lakes and
Clean Treatment) Districts

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 ("FPFTY") (2018). As shown in detail on Appendix E of the settlement, the total aggregate eligible plant costs claimed for the Company's wastewater operations, excluding Scranton wastewater, were \$4,514,155. Actual eligible plant costs placed in service during FPFTY (2018) for the Company's wastewater operations, excluding Scranton wastewater, were \$4,834,303. Please refer to Attachment A to this filing for details of the actual 2018 eligible plant costs placed in service.

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

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, 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: March 20, 2019

Effective: April 1, 2019

Issued by:
Jeffery McIntyre, President
Pennsylvania American Water
852 Wesley Drive
Mechanicsburg, PA 17055

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

NOTICE

**This tariff supplement increases the Distribution System Improvement Charge
(Refer to page 18.1)**

PENNSYLVANIA-AMERICAN WATER COMPANY

LIST OF CHANGES

This tariff supplement increases the Wastewater Distribution System Improvement Charge (DSIC) on page 18.1 (2nd Revision) of the Company's tariff to 0.70%, effective April 1, 2019, 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

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 0.70% will apply to bills rendered on (I) or after the Effective Date shown on the bottom of this page.

This Charge will be applicable to:

Rate Zone 1 – Coatesville, Claysville, Clarion, Pocono, Northeast (Lehman Pike including Winona Lakes, Blue Mountain Lakes and Clean Treatment) Districts.

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, 2019

Applicable to :

Rate Zone 1 Districts - Coatesville, Claysville, Clean Treatment,
Clarion, Pocono, Lehman Pike, Winona Lakes, and Blue Mountain

PENNSYLVANIA AMERICAN WATER
WASTEWATER DISTRIBUTION SYSTEM IMPROVEMENT CHARGE
PAGE 1

DESCRIPTION	SURCHARGE EFFECTIVE April 1, 2019
APPLICABLE NET ADDITIONS	\$1,042,412
LESS:	
ACCUMULATED DEPRECIATION	(4,441)
RETIREMENTS	42,283
NET RATE BASE INCLUDED IN DISTRIBUTION SYSTEM IMPROVEMENT CALCULATIONS	(DSI) 1,080,254
ANNUAL REVENUE REQUIREMENT RATE	9.86%
QUARTERLY REVENUE REQUIREMENT RATE	(PTRR) 2.47%
QUARTERLY CAPITAL COST RECOVERY	(DSI X PTRR) 26,682
QUARTERLY DEPRECIATION EXPENSE	(DEP) 4,441
REVENUE REQUIREMENT PRIOR TO ANNUAL RECONCILIATION AND PRIOR YEAR E FACTOR	31,123
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	31,123
MONTHLY RECOVERABLE AMOUNT FOR REVENUE REQUIREMENT	10,374
MONTHLY RECOVERABLE AMOUNT FOR ANNUAL RECONCILIATION AND PRIOR YEAR E FACTOR	0
BASE RATE REVENUE TO BE COLLECTED DURING APRIL THROUGH JUNE	(PQR) 4,426,605
CURRENT YEAR DISTRIBUTION SYSTEM IMPROVEMENT CHARGE	0.70%
ANNUAL RECONCILIATION AND PRIOR YEAR E FACTOR CHARGE	0.00%
DISTRIBUTION SYSTEM IMPROVEMENT CHARGE	(DSIC) 0.70%

TYPE	AMOUNT (\$000)	CAPITAL STRUCTURE	COST RATE	WEIGHTED AVERAGE COST RATE	REVENUE MULTIPLIER	REVENUE REQUIREMENT
DEBT	\$1,562,881	45.41%	4.92%	2.23%		2.23%
PREFERRED	4,052	0.12%	8.68%	0.01%	1.40631	0.01%
EQUITY	1,874,909	54.47%	9.95%	5.42%	1.40631	7.62%
TOTAL	\$3,441,842	100.00%		7.66%		9.86%

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: February 28, 2019. PREFERRED STOCK AND DEBT FIGURES DO NOT REFLECT THE REQUIREMENTS OF FAS150.

ANTICIPATED REVENUES

April 2019	\$1,399,717
May	\$1,504,696
June	\$1,522,192
TOTAL	<u>\$4,426,605</u>

**PENNSYLVANIA AMERICAN WATER
WASTEWATER DISTRIBUTION SYSTEM IMPROVEMENT CHARGE
PAGE 2**

STATE ACCOUNT	DESCRIPTION	JANUARY 2019	FEBRUARY 2019	TOTAL
360000	Mains - Force	\$272,566	\$259,442	\$532,008
361100	Mains - Gravity	504,388	43,949	548,337
361200	Manholes			-
363000	Service Laterals	2,051	2,300	4,351
364000	Flow Measuring Devices			-
365000	Flow Measuring Installs			-
	ADDITIONS	779,004	305,691	1,084,695
	RETIREMENTS	(42,283)	-	(42,283)
	NET ADDITIONS	\$736,722	\$305,691	\$1,042,412

RETIREMENTS	JANUARY 2019	FEBRUARY 2019	TOTAL
360000	\$42,283		42,283
361000			-
363000			-
364000			-
365000			-
	\$42,283	\$0	\$42,283

**PENNSYLVANIA AMERICAN WATER
WASTEWATER DISTRIBUTION SYSTEM IMPROVEMENT CHARGE
PAGE 3**

STATE ACCOUNT	DESCRIPTION	DEPRECIATION RATE	JANUARY 2019	FEBRUARY 2019	TOTAL
360000	Mains - Force	1.82%	\$1,240	\$1,180	\$ 2,420
361100	Mains Gravity	1.45%	1,828	159	\$ 1,987
361200	Manholes	2.10%	0	0	\$ -
363000	Service Laterals	3.08%	16	18	\$ 34
364000	Flow Measuring Devices	7.13%	0	0	\$ -
365000	Flow Measuring Installs	3.47%	0	0	\$ -
	APPLICABLE DEPRECIATION				
	FIRST QTR 2019		3,084	1,357	4,441
	ACCUMULATED DEPRECIATION		\$3,084	\$1,357	\$ 4,441

Pennsylvania-American Water Company - Total
Schedule of Debt
February 28, 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%		2.43%	6.82%	0.1658%		
9/1/2006	9/1/2026	150,000,000	117,000,000	7.80%	11,700,000		2,069,648	\$147,930,352	98.62%		9.60%	7.94%	0.7621%		
1/15/2021	1/15/2021	20,000,000	1,938,000	9.69%	1,938,000		116,061	\$19,883,939	99.42%		1.28%	9.76%	0.1248%		
11/1/2004	11/1/2031	10,000,000	882,000	8.82%	882,000		88,352	\$9,911,648	99.12%		0.64%	8.91%	0.0570%		
8/1/2004	8/1/2025	10,000,000	10,000,000	8.15%	815,000		60,119	\$9,939,881	99.40%		0.64%	8.21%	0.0525%		
1/31/2007	1/21/2021	100,300,000	45,135,000	5.77%	2,604,290		332,690	\$99,967,310	99.67%		2.89%	5.80%	0.1675%		
12/21/2012	12/1/2042	23,015,000	23,015,000	4.30%	989,645	31	895,945	\$22,119,055	96.11%		1.47%	4.54%	0.0669%		
12/1/2012	12/1/2042	45,000,000	45,000,000	4.30%	1,935,000	32	582,689	\$44,417,311	98.71%		2.88%	4.38%	0.1261%		
12/1/2009	12/1/2039	80,000,000	80,000,000	5.50%	4,400,000	21	1,340,809	\$78,659,191	98.32%		5.12%	5.62%	0.2877%		
12/1/2009	12/1/2039	13,165,000	13,165,000	5.50%	724,075	21	351,823	\$12,813,177	97.33%		0.84%	5.69%	0.0479%		
4/8/2009	4/1/2039	80,000,000	80,000,000	6.20%	4,960,000		1,033,848	\$78,966,152	98.71%		5.12%	6.30%	0.3225%		
11/21/2011	10/15/2037	35,000,000	35,000,000	5.05%	1,767,500		0	\$35,000,000	100.00%		2.24%	5.05%	0.1131%		
11/21/2011	10/15/2037	15,500,000	15,500,000	5.05%	782,250		740,260	\$14,759,740	95.22%		0.99%	5.39%	0.0535%		
11/20/2013	3/1/2024	67,000,000	67,000,000	3.85%	2,579,500		791,901	\$66,208,099	98.82%		4.29%	3.99%	0.1710%		
8/14/2014	3/1/2025	36,200,000	36,200,000	3.40%	1,230,800		1,189,364	\$35,010,636	98.71%		2.32%	3.78%	0.0876%		
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%		4.20%	4.74%	0.1993%		
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%		15.36%	4.34%	0.5881%		
9/13/2017	9/1/2027	101,426,171	101,426,171	2.95%	2,992,072	39	11,291,519	\$90,134,652	88.87%		6.49%	4.34%	0.2817%		
8/9/2018	9/1/2028	74,739,360	74,739,360	3.75%	2,802,726		623,814	\$74,115,546	98.17%		4.78%	3.85%	0.1841%		
8/9/2018	9/1/2048	227,469,000	227,469,000	4.20%	9,564,538		2,490,214	\$224,998,786	98.91%		14.56%	4.26%	0.6201%		
9/1/2018	9/1/2028	124,719,875	124,719,875	3.75%	4,676,995	40	8,287,774	\$116,432,101	93.35%		7.98%	4.59%	0.3663%		
Pennvest Loans															
7/1/2012	12/1/2022	3,945,656	862,275	2.77%	23,919	12	8,480	3,937,176	96.79%		0.06%	2.80%	0.0015%		
7/1/2012	10/1/2019	1,728,997	88,054	2.80%	2,461	7	0	1,728,997	100.00%		0.01%	2.79%	0.0002%		
7/1/2012	2/1/2020	3,470,505	210,634	1.18%	2,494	9	17,155	3,453,350	99.51%		0.01%	1.25%	0.0002%		
7/1/2012	3/1/2022	3,366,155	646,462	3.24%	20,927	8	56,803	3,309,352	98.31%		0.04%	3.44%	0.0014%		
7/1/2012	3/1/2022	3,623,800	695,733	3.24%	22,521	10	25,430	3,598,370	99.30%		0.04%	3.32%	0.0015%		
7/1/2012	9/1/2022	4,322,665	933,894	3.24%	30,230	11	25,445	4,297,220	99.41%		0.06%	3.31%	0.0020%		
7/1/2012	7/1/2024	1,559,205	404,965	2.77%	11,234	15	13,749	1,545,456	99.12%		0.03%	2.86%	0.0007%		
7/1/2012	11/1/2024	5,721,348	1,704,221	1.16%	19,701	16	29,484	5,691,864	99.48%		0.11%	1.20%	0.0013%		
7/1/2012	12/1/2025	5,670,111	1,649,222	2.76%	45,568	17	34,130	5,635,981	99.40%		0.11%	2.82%	0.0030%		
7/1/2012	8/1/2024	5,240,631	1,654,403	2.77%	45,893	13	7,951	5,232,680	99.85%		0.11%	2.79%	0.0030%		
7/1/2012	10/1/2024	3,099,441	994,417	2.43%	24,184	14	5,660	3,093,781	99.82%		0.06%	2.45%	0.0016%		
9/1/2029	9/1/2029	2,359,891	1,346,805	2.55%	34,303	19	0	2,359,891	100.00%		0.09%	2.55%	0.0022%		
7/1/2012	2/1/2031	12,150,000	7,814,463	2.69%	210,209	24	0	12,150,000	100.00%		0.50%	2.69%	0.0135%		
7/1/2012	10/1/2032	9,936,500	7,318,152	3.12%	228,107	25	0	9,936,500	100.00%		0.47%	3.12%	0.0148%		
7/1/2012	12/1/2031	1,606,709	1,121,087	3.10%	34,731	26	0	1,606,709	100.00%		0.07%	3.10%	0.0022%		
7/1/2012	3/1/2041	1,724,610	1,364,241	1.00%	13,642	27	0	1,724,610	100.00%		0.09%	1.00%	0.0009%		
7/1/2012	3/1/2032	1,675,790	1,268,430	1.80%	22,819	28	0	1,675,790	100.00%		0.08%	1.80%	0.0015%		
7/1/2012	3/1/2032	1,273,465	804,795	2.69%	21,649	29	0	1,273,465	100.00%		0.05%	2.69%	0.0014%		
3/22/2013	3/1/2033	1,378,367	979,511	2.20%	21,510	33	0	1,378,367	100.00%		0.06%	2.20%	0.0014%		
9/1/2032	9/1/2032	15,833,700	14,047,412	1.00%	140,474	34	0	15,833,700	100.00%		0.90%	1.00%	0.0090%		
10/15/2015	7/1/2040	123,663	106,736	1.00%	1,087	35	0	123,663	100.00%		0.01%	1.00%	0.0001%		
10/15/2015	7/1/2040	969,823	852,760	1.00%	8,528	35	0	969,823	100.00%		0.05%	1.00%	0.0005%		
4/2/2016	11/1/2026	2,141,062	1,772,733	1.36%	24,038	36	0	2,141,062	100.00%		0.11%	1.36%	0.0015%		
12/29/2016	11/1/2037	6,285,976	7,250,858	1.00%	72,509	37	0	6,285,976	100.00%		0.46%	1.00%	0.0046%		
6/14/2017	11/1/2036	5,549,947	4,897,269	1.44%	70,472	38	0	5,549,947	100.00%		0.31%	1.44%	0.0045%		
\$1,662,012,413												\$1,562,880,959	\$72,889,601	100.00%	4.92%

Pennsylvania-American Water Company - Total
 Schedule of Debt
 February 28, 2019

Notes to Debt Schedule

- (7) Clark Summit Regionalization (Abington). Interest 1.409% from 1999 to 2004 and 2.795% from 2005 to 2019.
- (8) Strattanville Pennvest Loan. Interest 1.619% from 2002 to 2007 and 3.237% starting March 2007.
- (9) Pocono Country Place. Interest 1.00% from 2000 to 2005 and 1.184% from 2006 to 2020.
- (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) Eldersville, Jefferson, and Crosscreek, interest 1.387% for first 70 months and 2.774% (12/2007) for remainder.
- (13) Elwood/Butler Interconnect, interest rate 1.387% for first 74 months and 2.774% (08/2009) for remainder.
- (14) Mahoning & Union Twp. Interest rate 1.305% for first 82 months and 2.432% (10/2009) for remainder.
- (15) Farmington Twp. Interest rate 1.387% for first 70 months and 2.774% (07/2009) for remainder.
- (16) Sandy Ridge. Interest rate 1.000% for first 60 months and 1.156% (07/2010) for remainder.
- (17) Sligo/Shippensburg, interest rate 1.385% for first 86 months and 2.763% (08/2013) for remainder.
- (18) Hanover & Collier 1.274% first 2009 - 2014 and 2.547% starting Oct 2014..
- (21) Remarketed Dec 09 with a 30 year term.
- (24) Mount Pleasant Water System. Extension 1.559% first 2011 - 2016 and 2.69% starting March 2016.
- (25) Rock Run WTP 2.414% first 2011 - 2016 and 3.117% starting Dec 2017.
- (26) Silver Spring Clearwell 2.376% first 2012 - 2016 and 3.098% starting Jan 2017.
- (27) Wallaceton Municipal Authority 1.00% for 30 years starting March 2012.
- (28) Pittsburgh Meter Improvements 1.799% first 2012 - 2017 and 2.81% starting May 1, 2018.
- (29) Pittsburgh Meter Improvement Project Phase II 1.559% first 60 months and 2.69% starting May 2016.
- (31) Re-issuance 12/21/12 from Parent at a coupon rate of 4.30% for 30 years.
- (32) New unsecured borrowing at a coupon rate of 4.30% for 30 years.
- (33) Southwest PA Pipeline Exts Phase II - Interest 1.591% first 5 years - 2.196% starting March 2018.
- (34) Clarion WW Act 537 Implementation Project - Interest rate is 1.0% for the life of the loan.
- (35) Paint Twp #1 - Interest rate is 1% for the remaining life of the Bond.
- (35) Paint Twp #2 - Interest rate is 1% for the remaining life of the Bond.
- (36) Fairview Water Main Extension - interest rate is 1.356% for the first 5 years, 1.985% April 2021 for remaining 15 years.
- (37) Debt assumed as part of Scranton Sewer acquisition.
- (38) Washington County Main Extension Project - Interest rate is 1.439% until Oct 2021 - 2.027% for the remaining term.
- (39) Issuances costs included make whole premium of \$10M.
- (40) Issuances costs included make whole premium of \$7.2M.

PENNSYLVANIA AMERICAN WATER COMPANY
 SCHEDULE OF PREFERRED STOCK
 February 28, 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 COST RATE	EFFECTIVE WEIGHTED COST RATE
23-Apr-71	---	3,000	1,780	\$300,000	\$178,000	\$5,473	\$294,527	9.75%		4.39%	9.96%
23-Apr-71	---	4,250	2,735	425,000	273,500	7,275	417,725	9.35%		6.75%	9.54%
21-Nov-91	---	120,000	36,000	12,000,000	3,600,000	82,714	11,917,286	8.49%		88.86%	8.55%
		127,250	40,515	\$12,725,000	\$4,051,500	\$95,462	\$12,629,538			100.00%	8.68%

PENNSYLVANIA AMERICAN WATER COMPANY
 2019 FORECASTED WASTEWATER REVENUES
 NO DSIC OR STAS

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL
RES	790,901	732,316	790,901	781,137	839,722	849,487	869,015	878,779	839,722	820,194	771,372	800,666	9,764,212
COM	160,892	148,974	160,892	158,905	170,822	172,809	176,782	178,768	170,822	166,850	156,919	162,877	1,986,312
IND	79,609	73,712	79,609	78,626	84,524	85,506	87,472	88,455	84,524	82,558	77,644	80,592	982,831
PUB AUTH	64,506	59,727	64,506	63,709	68,487	69,283	70,876	71,673	68,487	66,895	62,913	65,303	796,365
BULK	321,307	297,506	321,307	317,340	341,141	345,107	353,041	357,008	341,141	333,207	313,373	325,274	3,966,752
	1,417,215	1,312,235	1,417,215	1,399,717	1,504,696	1,522,192	1,557,186	1,574,683	1,504,696	1,469,704	1,382,221	1,434,712	17,496,472
			4,146,665			4,426,605			4,636,565			4,286,637	17,496,472

PENNSYLVANIA AMERICAN WATER COMPANY
 QUALIFYING WASTEWATER DSIC EXPENDITURES
 TRANSFERRED AMOUNTS
 JANUARY AND FEBRUARY 2019

WORK ORDER	STATE ACCOUNT	WBS ELEMENT (WORK ORDER)	JANUARY 2019	FEBRUARY 2019
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.18-P-0002	\$223,415.43	(\$36,357.43)
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.18-P-0003		149,711.71
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.18-P-0004	954.34	54,795.90
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.18-P-0005	48,196.22	(3,219.40)
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.18-P-0006		94,511.02
TOTAL - REPLACE COLLECTION MAINS - FORCE			<u>\$272,565.99</u>	<u>\$259,441.80</u>
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-690001-07	\$18,142.88	(\$9,071.44)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.18-P-0001	64,866.02	2,414.57
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.18-P-0002	52,805.48	1,332.84
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.18-P-0003	64,019.70	2,139.34
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.18-P-0004	51,855.41	20,018.70
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.18-P-0005	33,143.36	17,648.79
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.18-P-0006	106,215.03	6,809.53
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.18-P-0004	21,237.67	(1,515.76)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.18-P-0005	8,694.53	(339.45)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.18-P-0006	8,921.86	2,844.66
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.18-P-0007	523.11	3,770.99
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.18-P-0008	1,076.71	2,715.39
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.18-P-0009	1,322.70	(1,620.83)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.18-P-0010	5,383.30	(2,357.20)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-69B1.18-P-0002	66,179.90	(841.22)
TOTAL COLLECTION MAINS			<u>\$ 504,387.66</u>	<u>\$ 43,948.91</u>
REPLACE SERVICE LATERIALS	363000	R24-58H1.19-P-0001		\$1,170.73
REPLACE SERVICE LATERIALS	363000	R24-67H1.19-P-0001		1,242.13
REPLACE SERVICE LATERIALS	363000	R24-69F1.19-P-0001	\$14.13	(0.78)
REPLACE SERVICE LATERIALS	363000	R24-69H1.19-P-0001	2,036.70	(111.95)
TOTAL SERVICE LATERIALS			<u>\$ 2,050.83</u>	<u>\$ 2,300.13</u>
TOTAL DSIC EXPENDITURES			<u>\$ 779,004.48</u>	<u>\$ 305,690.84</u>

Attachment A

**PA American Water
 DSIC Eligible Investment 2018
 Wastewater (excluding Scranton)**

	2018 Actual		2018 Rate Case - Claimed	
	Amount Capitalized	Cumulative (YTD)	Amount Capitalized	Cumulative (YTD)
Jan	\$ 466,382	\$ 466,382	\$ 98,704	\$ 98,704
Feb	\$ 136,219	\$ 602,601	\$ 98,704	\$ 197,407
Mar	\$ 104,475	\$ 707,076	\$ 98,704	\$ 296,111
Apr	\$ 106,636	\$ 813,712	\$ 418,149	\$ 714,260
May	\$ 128,838	\$ 942,550	\$ 418,149	\$ 1,132,410
Jun	\$ 140,430	\$ 1,082,980	\$ 418,149	\$ 1,550,559
Jul	\$ 30,598	\$ 1,113,578	\$ 515,541	\$ 2,066,100
Aug	\$ 23,695	\$ 1,137,273	\$ 515,541	\$ 2,581,642
Sep	\$ 11,932	\$ 1,149,205	\$ 515,541	\$ 3,097,183
Oct	\$ 120,080	\$ 1,269,285	\$ 472,324	\$ 3,569,507
Nov	\$ 301,001	\$ 1,570,286	\$ 472,324	\$ 4,041,831
Dec	\$ 3,264,018	\$ 4,834,303	\$ 472,324	\$ 4,514,155
Total YTD	\$ 4,834,303		\$ 4,514,155	

utility_account	wo_number	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Station - Power Generation Equipment	R24-3801-18-P-0006													
360000-Mains - Force	R24-35D1-15-P-0002									3,778.02				3,778.02
360000-Mains - Force	R24-4781-16-P-0003									10,425.37				10,425.37
360000-Mains - Force	R24-4781-17-P-0003	61,310.89	2,801.41							(764.23)				63,348.07
360000-Mains - Force	R24-4781-17-P-0003	6,657.79	1,938.63											8,596.42
360000-Mains - Force	R24-4781-17-P-0004		179,679.46							(14,724.61)				165,404.65
360000-Mains - Force	R24-4781-18-P-0002												560,562.49	560,562.49
360000-Mains - Force	R24-4781-18-P-0005												7,759.89	7,759.89
360000-Mains - Force	R24-4781-18-P-0005												45,395.70	45,395.70
360000-Mains - Force	R24-4781-18-P-0005												1,238.45	1,238.45
360000-Mains - Force	R24-60F1-17-P-0002		44,477.97											44,477.97
360000-Mains - Force	R24-60F1-18-P-0001	(46,038.89)	59,569.26							(59,569.26)				427.83
360000-Mains - Force	R24-67H1-17-P-0001		0.01											0.01
360000-Mains - Force	R24-67H1-18-P-0003			1,096.78										1,096.78
360000-Mains - Force	R24-67H1-18-P-0003			3,811.38										3,811.38
360000-Mains - Force	R24-67H1-18-P-0003			1,634.04										1,634.04
360000-Mains - Force	R24-67H1-18-P-0007	21,174.68	2,543.96											23,718.64
361100-Mains - Gravity	R24-350001-04													
361100-Mains - Gravity	R24-380001-01													
361100-Mains - Gravity	R24-690001-02	2,926.42	(444.42)	1,553.99										3,835.07
361100-Mains - Gravity	R24-690001-06	5,476.00	666.98	8,011.51										14,154.49
361100-Mains - Gravity	R24-690001-07	8,412.90	1,411.60	4,644.29	(223.60)									14,845.19
361100-Mains - Gravity	R24-690001-07					299.27	1,434.89	2,137.73	22,399.23	4,508.06	(580.02)	430.66		30,245.81
361100-Mains - Gravity	R24-38F1-18-P-0001						2,250.31	2,381.05		170.82		(2,250.31)		2,381.05
361100-Mains - Gravity	R24-4781-18-P-0008							3,074.75	178.64					3,253.39
361100-Mains - Gravity	R24-47C1-18-P-0001			10,511.94										10,511.94
361100-Mains - Gravity	R24-47D1-13-P-0002													
361100-Mains - Gravity	R24-47D1-18-P-0004													
361100-Mains - Gravity	R24-47F1-15-P-0003			3,524.02		2,314.46	5,630.31	762.20			989.40	17,884.03	218.76	29,243.61
361100-Mains - Gravity	R24-47H1-18-P-0002													5,630.31
361100-Mains - Gravity	R24-5881-17-P-0001													(6,991.15)
361100-Mains - Gravity	R24-5881-17-P-0002													(16,829.21)
361100-Mains - Gravity	R24-5881-17-P-0003													(31,135.05)
361100-Mains - Gravity	R24-5881-17-P-0004													(8,577.80)
361100-Mains - Gravity	R24-58C1-18-P-0001						8,351.44	1,584.52						9,935.96
361100-Mains - Gravity	R24-60B1-18-P-0001													196,059.93
361100-Mains - Gravity	R24-60C1-18-P-0001													2,455.31
361100-Mains - Gravity	R24-67B1-16-P-0003	(5,844.71)												(5,844.71)
361100-Mains - Gravity	R24-67B1-18-P-0004													240,598.14
361100-Mains - Gravity	R24-67B1-18-P-0005													127,581.11
361100-Mains - Gravity	R24-67B1-18-P-0007													353,048.33
361100-Mains - Gravity	R24-67B1-18-P-0008													213,889.96
361100-Mains - Gravity	R24-67B1-18-P-0009													239,343.55
361100-Mains - Gravity	R24-67C1-18-P-0001													26,416.62
361100-Mains - Gravity	R24-67C1-18-P-0001							387,255.44						387,255.44
361100-Mains - Gravity	R24-67C1-18-P-0001													323,916.92
361100-Mains - Gravity	R24-69B1-17-P-0002	344,327.09					2,963.01	3,020.66						5,983.75
361100-Mains - Gravity	R24-69B1-17-P-0002													22,748.14
361100-Mains - Gravity	R24-69B1-18-P-0001													341,987.74
361100-Mains - Gravity	R24-69B1-18-P-0001													219,926.37
361100-Mains - Gravity	R24-69C1-18-P-0001													1,881.80
361100-Mains - Gravity	R24-69F1-18-P-0001													1,101.98
361100-Mains - Gravity	R24-67C1-18-P-0001													121,977.87
361100-Mains - Gravity	R24-67C1-18-P-0001													27,046.41
361100-Mains - Gravity	R24-67C1-18-P-0001													(3,165.54)
361100-Mains - Gravity	R24-67H1-17-P-0001													24,699.46
361100-Mains - Gravity	R24-67H1-17-P-0001	9,810.78	1,827.64	(609.24)		13,670.28								31,328.33
361100-Mains - Gravity	R24-67H1-17-P-0001	7,597.09	804.04	3,420.64		4,606.80								(4,015.17)
361100-Mains - Gravity	R24-67H1-17-P-0004	150.91	440.72			(1,160.58)								62,165.74
361100-Mains - Gravity	R24-67H1-17-P-0005	22,685.53	40,204.23	436.56		(87.64)								13,690.29
361100-Mains - Gravity	R24-67H1-17-P-0006	209.50												9,725.96
361100-Mains - Gravity	R24-67H1-17-P-0007	11,246.15	2,413.25	18,097.21		7,980.18								44,747.79
361100-Mains - Gravity	R24-69B1-18-P-0001													22,748.14
361100-Mains - Gravity	R24-35H1-18-P-0001													9,314.27
363000-Service Laterals	R24-38H1-18-P-0001													9,325.86
363000-Service Laterals	R24-47H1-18-P-0003													232.26
363000-Service Laterals	R24-58H1-18-P-0001													14,490.60
363000-Service Laterals	R24-58H1-18-P-0001													27,593.18
363000-Service Laterals	R24-67H1-18-P-0001													63,163.20
363000-Service Laterals	R24-67H1-18-P-0001													101,269.11
363000-Service Laterals	R24-69H1-18-P-0001													13,141.98
363000-Service Laterals	R24-69H1-18-P-0001													144.22
363000-Service Laterals	R24-69H1-18-P-0001													311,130.64
363000-Service Laterals	R24-67H1-18-P-0001													2,929.68
363000-Service Laterals	R24-67H1-18-P-0001													47,814.00
363000-Service Laterals	R24-67H1-17-P-0003													14,180.92
363000-Service Laterals	R24-67H1-17-P-0006													2,668.34
363000-Service Laterals	R24-67B1-17-P-0007													8,971.13
363000-Other Related Capitalized Costs (Lift Station-Treatment Equipment)	R24-3501-17-P-0003													4,944.28
363000-Other Related Capitalized Costs (Lift Station-Treatment Equipment)	R24-690001													686.89
363000-Other Related Capitalized Costs (Lift Station-Treatment Equipment)	R24-690001-01	481.11	306.78											787.89
363000-Other Related Capitalized Costs (Lift Station-Treatment Equipment)														2,441.35
Total		466,381.64	136,218.42	104,475.14	106,635.61	128,836.13	140,430.14	30,536.07	23,695.30	11,932.04	130,079.52	301,001.08	3,264,017.77	4,834,302.86

Appendix E DSIC - Total Aggregate Plant Costs

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

Water Operations	\$	149,660,658
Wastewater Excluding Scranton WW	\$	4,514,155
Scranton Wastewater		<u>2,255,998</u>
Total Wastewater	\$	<u>6,770,153</u>

PENNSYLVANIA-AMERICAN WATER COMPANY
DSIC ELIGIBLE GROSS PLANT ADDITIONS
FUTURE TEST FOR YEAR ENDED DECEMBER 31, 2018
WATER OPERATIONS
SOURCE: VOLUME 5 EXHIBIT NO. 3-C

STATE ACCT NO	DESCRIPTION OF ADDITION	PROJECT NUMBER	ADDITION AMOUNT	COMP DATE
331.00				
	Mains - Replaced / Restored	B	3,191,524	3/31/2018
	Mains - Unscheduled	C	4,381,376	3/31/2018
	Mains - Relocated	D	1,177,045	3/31/2018
	Mains - Replaced / Restored	B	27,298,833	6/30/2018
	Mains - Unscheduled	C	2,731,776	6/30/2018
	Mains - Relocated	D	733,884	6/30/2018
	Mains - Replaced / Restored	B	33,127,233	9/30/2018
	Mains - Unscheduled	C	4,753,024	9/30/2018
	Mains - Relocated	D	1,276,887	9/30/2018
	Castlewood/Shenango Twp Main Extensions	I24-310012	9,226,290	11/30/2018
	Mains - Replaced / Restored	B	14,982,535	12/31/2018
	Mains - Unscheduled	C	3,953,824	12/31/2018
	Mains - Relocated	D	1,062,184	12/31/2018
	Moltke & Birch Main Improvements	I24-910038	3,715,340	12/31/2018
	Account Subtotal		<u>\$111,611,755</u>	
333.00				
	Services and Laterals - Replaced	H	3,749,639	3/31/2018
	Services and Laterals - Replaced	H	4,485,124	6/30/2018
	Services and Laterals - Replaced	H	5,871,873	9/30/2018
	Castlewood/Shenango Twp Main Extensions	I24-310012	237,589	11/30/2018
	Services and Laterals - Replaced	H	4,847,436	12/31/2018
	Account Subtotal		<u>\$19,191,661</u>	
334.00				
	Meters - Replaced	J	2,014,543	3/31/2018
	Meters - Replaced	J	4,511,103	6/30/2018
	Meters - Replaced	J	3,540,298	9/30/2018
	Castlewood/Shenango Twp Main Extensions	I24-310012	140,000	11/30/2018
	Meters - Replaced	J	4,066,299	12/31/2018
	Account Subtotal		<u>\$14,272,243</u>	
335.00				
	Hydrants - Replaced	F	907,116	3/31/2018
	Hydrants - Replaced	F	1,173,588	6/30/2018
	Hydrants - Replaced	F	1,187,406	9/30/2018
	Castlewood/Shenango Twp Main Extensions	I24-310012	160,000	11/30/2018
	Hydrants - Replaced	F	1,156,889	12/31/2018
	Account Subtotal		<u>\$4,584,999</u>	
	Grand Total		<u><u>\$149,660,658</u></u>	

PENNSYLVANIA-AMERICAN WATER COMPANY
DSIC ELIGIBLE GROSS PLANT ADDITIONS
FUTURE TEST FOR YEAR ENDED DECEMBER 31, 2018
WASTEWATER OPERATIONS EXCLUDING SCRANTON WASTEWATER
SOURCE: VOLUME 5 EXHIBIT NO. 3-C

STATE		PROJECT	ADDITION	COMP
ACCT NO	DESCRIPTION OF ADDITION	NUMBER	AMOUNT	DATE
354.30	Koppel Borough Upgrades	124-350001	218,805	Dec-18
	Account Subtotal		<u>\$218,805</u>	
361.10	Collection Sewers - Gravity Mains - Replaced / Restored	B	126,036	3/31/2018
	Collection Sewers - Gravity Mains - Unscheduled	C	49,852	3/31/2018
	Collection Sewers - Gravity Mains - Replaced / Restored	B	1,078,060	6/30/2018
	Collection Sewers - Gravity Mains - Unscheduled	C	31,082	6/30/2018
	Collection Sewers - Gravity Mains - Replaced / Restored	B	1,308,228	9/30/2018
	Collection Sewers - Gravity Mains - Unscheduled	C	54,080	9/30/2018
	Collection Sewers - Gravity Mains - Replaced / Restored	B	591,676	12/31/2018
	Collection Sewers - Gravity Mains - Unscheduled	C	44,986	12/31/2018
	Koppel Borough Upgrades	124-350001	343,835	12/31/2018
	Account Subtotal		<u>\$3,627,835</u>	
361.20	Manholes - Replaced	F	15,374	3/31/2018
	Manholes - Replaced	F	19,892	6/30/2018
	Manholes - Replaced	F	20,125	9/30/2018
	Manholes - Replaced	F	19,609	12/31/2018
	Koppel Borough Upgrades	124-350001	62,515	12/31/2018
	Account Subtotal		<u>\$137,515</u>	
363.00	Services and Laterals - Replaced	H	104,849	3/31/2018
	Services and Laterals - Replaced	H	125,414	6/30/2018
	Services and Laterals - Replaced	H	164,191	9/30/2018
	Services and Laterals - Replaced	H	135,546	12/31/2018
	Account Subtotal		<u>\$530,000</u>	
	Grand Total		<u><u>\$4,514,155</u></u>	

**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>	