



PENNSYLVANIA  
AMERICAN WATER

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February 3, 2017

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

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

Re: Joint Application of Pennsylvania-American Water Company and the Sewer Authority of the City of Scranton for Approval of (1) the transfer, by sale, of substantially all of the Sewer Authority of the City of Scranton's Sewer System and Sewage Treatment Works assets, properties and rights related to its wastewater collection and treatment system to Pennsylvania-American Water Company, and (2) the rights of Pennsylvania-American Water Company to begin to offer or furnish wastewater service to the public in the City of Scranton and the Borough of Dunmore, Lackawanna County, Pennsylvania

Docket No.: A-2016-2537209

Dear Secretary Chiavetta:

Pursuant to the Commission's Statement of Policy relating to water and wastewater system acquisitions at 52 Pa. Code § 69.721(f), enclosed is a copy of Pennsylvania-American Water Company's original cost plant-in-service valuation of the wastewater system assets acquired from the Sewer Authority of the City of Scranton on December 29, 2016, in connection with the above-referenced proceeding. As required under Section 69.721(f), copies of the enclosed original cost valuation have been served as per the certificate of service.

Should you have any questions regarding this filing, please contact me.

Respectfully submitted,

Susan Simms Marsh

Enclosures

cc: Service List (as indicated)

**PENNSYLVANIA-AMERICAN WATER COMPANY, INC.**

*Acquisition of the  
Assets of the Scranton Sewer Authority*

Original Cost of Wastewater Utility Plant  
And Depreciation Reserve Calculations  
at December 29, 2016

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PA PUBLIC UTILITY COMMISSION  
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By

Scott D. Fogelsanger  
Senior Manager - Business Development

Pennsylvania-American Water Company, Inc.  
852 Wesley Drive  
Mechanicsburg, PA 17055

January 2017

PENNSYLVANIA-AMERICAN WATER COMPANY, INC.

Acquisition of the  
Assets of the Scranton Sewer Authority

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**PENNSYLVANIA-AMERICAN WATER COMPANY, INC.**

**Acquisition of the**

**Assets of the Scranton Sewer Authority**

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# Section 1

## **PENNSYLVANIA-AMERICAN WATER COMPANY, INC.**

### **Acquisition of the Assets of the Scranton Sewer Authority**

#### **BACKGROUND**

Scranton Sewer Authority (the "Authority") makes wastewater service available to approximately 30,000 customers located in City of Scranton, Lackawanna County. The Authority has continued to grow and expand over the years.

Pennsylvania-American Water Company, Inc. ("PAWC") and the Authority filed a joint application requesting the Commission to approve the sale of the wastewater system, grant PAWC the right to furnish service in the Authority's service territory, and authorize the Authority to abandon service. The Commission approved the application on October 6, 2016.

#### **OVERVIEW OF THE AUTHORITY'S FACILITIES**

The City of Scranton established the Authority to own, operate, and maintain a wastewater collection, conveyance and treatment system. The Sewer System currently serves a population of approximately 90,000 people in the City of Scranton, the Borough of Dunmore, and small areas of the contiguous municipalities of Taylor, Dickson City, and Moosic.

The Authority constructed treatment facilities for the Scranton - Dunmore area. The Authority's original project included construction of 80 permitted combined sewer overflow structures, a network of interceptor sewers between the regulator chambers located along the Lackawanna River and the downstream treatment facility, and a wastewater treatment plant. This project was completed in 1972.

The collection system within the Authority's service area include both separate sanitary sewer

systems designed to carry sanitary wastewater only, and combined sewer systems which were intended to carry both sanitary sewage and stormwater runoff to the interceptor. The Authority currently operates and maintains seven pumping stations as part of the wastewater conveyance system.

The Authority's Wastewater Treatment Plant (WWTP) discharges treated effluent to the Lackawanna River. The WWTP includes the following processes:

- Screening and Grit Removal;
- Primary Settling
- Activated sludge treatment process;
- Secondary settling;
- Chlorine disinfection; and
- Sulfur dioxide de-chlorination

Excess solids (primary and biological) generated by the unit processes are rotary drum thickened and dewatered on conventional belt filter presses. Lime post treatment is utilized to provide further dewatering and partial stabilization.

### **OVERVIEW OF THE STUDY TECHNIQUES**

The study of the original cost of the Authority's assets was conducted in two (2) phases. First, a comprehensive utility plant inventory was conducted to ascertain and confirm the kind and quantity of property owned and operated by the Authority.

Second, the original cost of the inventoried property was determined based on a review of the Authority's books of account, construction records, and other sources. For the most part, the Authority's records provided reasonable data as to the original cost of its plant in service. In

addition, theoretical accrued depreciation calculations were prepared based upon the results of the original cost study to reflect the theoretical capital recovery of the plant in service at December 29, 2016.

A complete discussion of the methodologies employed in the original cost study is set forth in the following sections of this report.

## **EXPLANATION OF THE STUDY**

### **UTILITY PLANT INVENTORY**

A comprehensive inventory of the Authority's plant in service as of December 29, 2016 was prepared. One of the principal source documents for the inventory was the "as built" maps of the Authority's system. The maps were particularly helpful in locating and documenting the sizes, types, and lengths of the pipelines and locations of the manholes. Significant components of the inventory are discussed below.

#### **Mass Property**

For purposes of this study, "mass" property consists of utility plant recorded in Account 360 (Collection Sewers - Force), Account 361 (Collection Sewers - Gravity), and Account 363 (Services to Customers).

For Accounts 360 and 361, footages of pipe (by size and type) were determined by reviewing the "as-built" maps and were verified by a physical check of the system in place. This same procedure was utilized for the manholes.

Based upon data obtained from Authority records, a large majority of the customer service lines (Account 363) were installed when the collection lines were installed.



### **Non-Mass Property**

A physical inventory of the wastewater treatment plant facilities was completed. Detailed results of the plant inventory are set forth in Section 2 of this report by the fixed capital accounts prescribed by the National Association of Regulatory Utility Commissioners. The original cost of all inventoried property units is properly recorded in the following accounts:

Acct.

No.    Account Title

#### Non-Depreciable Plant:

- 353.2 Land & Land Rights - Collection
- 353.3 Land & Land Rights - Pumping
- 353.4 Land & Land Rights - Treatment & Disposal

#### Depreciable Plant:

- 354.3 Structures & Improvements - Pumping
- 354.4 Structures & Improvements - Treatment & Disposal
- 360 Collection Sewers - Force
- 361 Collection Sewers - Gravity
- 363 Services to Customers
- 364 Flow Measuring Devices
- 371 Pumping Equipment
- 380 Treatment & Disposal Equipment
- 389 Other Plant & Miscellaneous Equipment
- 390 Office Furniture & Equipment
- 391 Transportation Equipment
- 393 Tools, Shop & Garage Equipment
- 394 Laboratory Equipment
- 395 Power Operated Equipment

### **ORIGINAL COST ANALYSIS**

The goal of the original cost analysis was to ascertain the original cost of the Authority's plant in service by fixed capital account and, within each account, to determine the original costs by retirement unit (for non-mass property) or size and type (for mass property) and by vintage year. Reasonably good data exists to establish the original cost of the Authority's property by account.

The original cost determinations for Account 360 (Collection Mains - Force), Account 361 (Collection Mains - Gravity), and Account 363 (Services to Customers) are explained as follows:

**Account 360, Account 361, and Account 363**

An original cost of mains and accessories was determinable from available records for the Authority's collection system and other source documents. The Authority summaries verified that the lengths scaled and units counted from the collection system maps were accurate. As previously explained, the physical inventory established the total footage of pipe by size and type and the total number of units of accessories. The information contained in the construction summaries was used to develop the footage of pipe, units of accessories, and the resultant unit price for the respective fixed capital asset. The original cost values at December 29, 2016 for the Authority's collection mains - force, collection mains - gravity, and customer services as established by the original cost study total \$239,206; \$77,110,267; and \$9,592,629, respectively.

**SUMMARY OF ORIGINAL COST**

The results of the original cost study established that the original cost of the Authority's utility plant in service is not less than \$169,597,360 as summarized by plant account in Section 2.

**CONTRIBUTIONS IN AID OF CONSTRUCTION (CIAC)**

An extensive research of records was performed to determine if any contributions in aid of construction existed. The record research included all Authority documents that were available. Based on this record research, the Authority did receive contributions in aid of construction in the amount of \$11,454,549.

### **CUSTOMER ADVANCES FOR CONSTRUCTION**

An extensive research of records was performed to determine if any customer advances for construction existed. The record research included all Authority documents that were available. Based on this record research, the Authority did not receive customer advances for construction.

### **DEPRECIATION RESERVE**

A theoretical calculated depreciation reserve of the utility plant in service at December 29, 2016 was prepared. The calculated accrued depreciation reserve amounts to \$60,877,646. The calculations were based upon the Straight Line Methodology utilizing appropriate service lives for the specific fixed capital assets by category and condition of the plant at the study date. The results of those calculations and detailed supporting documentation are included in Section 4 of this report.

### **ACCUMULATED AMORTIZATION OF CIAC**

A theoretical calculated accumulated amortization of the contributions in aid of construction at December 29, 2016 was prepared. The calculated accumulated amortization of CIAC amounts to (\$3,698,482). The calculations were based upon the Straight Line Methodology utilizing appropriate service lives for the specific fixed capital assets by category and condition of the plant at the study date. The results of those calculations and detailed supporting documentation are included in Section 4 of this report.

### **CONSTRUCTION WORK IN PROGRESS**

An extensive research of records was performed to determine if any construction work in progress existed. The record research included all Authority documents that were available. Based on this record research, the Authority had construction work in progress of \$16,701,571.

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# Section 2

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016

Acct. No.	Account Title	Original Cost
353.2	Land & Land Rights - Collection	\$80,662.60
353.3	Land & Land Rights - Pumping	43,570.00
353.4	Land & Land Rights - Treatment & Disposal	110,019.50
354.3	Structures & Improvements - Pumping Plant	3,907,437.35
354.4	Structures & Improvements - Treatment & Disposal	50,981,238.73
360	Collection Sewers - Force	239,206.24
361	Collection Sewers - Gravity	77,110,267.46
363	Services to Customers	9,592,628.52
364	Flow Measuring Devices	401,003.88
371	Pumping Equipment	2,569,862.70
380	Treatment & Disposal Equipment	14,618,708.29
389.6	Other Plant & Miscellaneous Equipment	4,142,753.27
390	Office Furniture & Equipment	1,117,338.21
391	Transportation Equipment	3,394,097.17
393	Tools, Shop & Garage Equipment	514,681.58
394	Laboratory Equipment	108,802.28
395	Power Operated Equipment	665,081.72
	Total Original Cost	\$169,597,359.50 =====

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 353.2 - Land & Land Rights - Collection System

Description	Deed Book	Page Numbers	Date	Original Cost
<u>Land:</u>				
Collection Mains	INSTR# 200619999		06/30/2006	\$44.50
Collection Mains	INSTR# 201401892		12/10/2004	35,096.12
				-----
Total Land				\$35,140.62
<u>Land Rights:</u>				
Collection Mains	641	454	03/29/1968	\$351.00
Collection Mains	648	542	05/15/1968	85.00
Collection Mains	648	550	04/18/1968	112.00
Collection Mains	648	551	05/09/1968	1,623.00
Collection Mains	648	560	05/08/1968	1,090.00
Collection Mains	649	224	05/22/1968	7.50
Collection Mains	650	293	04/30/1968	267.00
Collection Mains	652	460	06/10/1968	455.63
Collection Mains	652	475	06/06/1968	109.50
Collection Mains	652	500	06/24/1968	199.50
Collection Mains	655	350	04/23/1968	1.00
Collection Mains	657	168	07/02/1968	6.50
Collection Mains	657	177	07/02/1968	1.00
Collection Mains	657	182	07/02/1968	7.50
Collection Mains	665	165	09/09/1968	6.50
Collection Mains	666	372	09/03/1968	514.50
Collection Mains	666	376	08/21/1968	1,963.93
Collection Mains	667	123	08/15/1968	114.00
Collection Mains	667	133	08/19/1968	236.84
Collection Mains	667	148	07/29/1968	109.00
Collection Mains	667	262	09/25/1968	6.50
Collection Mains	668	490	09/20/1968	377.50
Collection Mains	671	555	11/07/1968	6.50
Collection Mains	671	594	11/07/1968	6.50
Collection Mains	672	1	11/07/1968	6.50
Collection Mains	672	11	11/07/1968	1.00
Collection Mains	672	575	11/07/1968	6.50
Collection Mains	674	581	12/06/1968	7.50

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016

Account 353.2 - Land & Land Rights - Collection System

Description	Deed Book	Page Numbers	Date	Original Cost
Collection Mains	675	161	12/11/1968	6.50
Collection Mains	675	181	12/11/1968	9.00
Collection Mains	677	1	10/16/1968	37.64
Collection Mains	677	6	09/06/1968	232.50
Collection Mains	677	20	11/26/1968	82.50
Collection Mains	677	25	10/31/1968	677.50
Collection Mains	677	30	09/16/1968	139.50
Collection Mains	677	35	12/07/1968	203.50
Collection Mains	677	39	10/11/1968	1,507.50
Collection Mains	677	43	11/28/1968	107.50
Collection Mains	677	48	10/10/1968	257.50
Collection Mains	677	53	11/07/1968	57.63
Collection Mains	677	58	10/03/1968	907.50
Collection Mains	677	62	11/22/1968	82.00
Collection Mains	677	126	01/03/1969	7.50
Collection Mains	677	130	01/03/1969	7.50
Collection Mains	678	585	11/20/1968	307.72
Collection Mains	678	590	06/03/1968	3,509.00
Collection Mains	678	594	11/07/1968	1,509.00
Collection Mains	679	6	07/15/1968	309.00
Collection Mains	679	11	08/16/1968	207.50
Collection Mains	679	16	10/08/1968	408.86
Collection Mains	679	21	09/13/1968	98.50
Collection Mains	679	26	08/26/1968	69.12
Collection Mains	680	573	01/09/1969	84.00
Collection Mains	680	583	01/14/1969	510.50
Collection Mains	682	19	01/24/1969	421.50
Collection Mains	682	24	01/22/1969	24.00
Collection Mains	682	29	01/10/1969	1,600.00
Collection Mains	682	318	03/03/1969	6.50
Collection Mains	682	326	03/03/1969	1.00
Collection Mains	686	379	04/10/1969	6.50
Collection Mains	686	483	02/24/1969	179.00
Collection Mains	686	493	02/13/1969	1,563.00
Collection Mains	686	497	10/22/1968	225.00



**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 353.2 - Land & Land Rights - Collection System

Description	Deed Book	Page Numbers	Date	Original Cost
Collection Mains	693	73	06/12/1969	7.00
Collection Mains	696	348	07/11/1969	7.50
Collection Mains	702	6	08/29/1969	1.00
Collection Mains	702	11	08/29/1969	9.00
Collection Mains	702	20	08/29/1969	6.50
Collection Mains	702	30	08/29/1969	7.00
Collection Mains	708	527	03/13/1969	309.00
Collection Mains	708	532	02/21/1969	100.00
Collection Mains	708	537	08/19/1969	107.50
Collection Mains	708	542	11/20/1968	144.00
Collection Mains	708	547	08/14/1969	409.00
Collection Mains	708	557	08/12/1969	400.00
Collection Mains	708	562	07/10/1969	275.00
Collection Mains	708	567	08/06/1969	100.17
Collection Mains	708	572	09/25/1969	159.00
Collection Mains	709	211	11/10/1969	7.50
Collection Mains	710	472	11/26/1969	1.00
Collection Mains	736	586	05/19/1970	127.80
Collection Mains	736	591	03/13/1969	755.28
Collection Mains	736	595	06/13/1970	209.00
Collection Mains	736	600	06/03/1970	208.50
Collection Mains	736	610	05/20/1970	185.31
Collection Mains	736	615	05/18/1970	162.00
Collection Mains	736	620	05/23/1970	109.00
Collection Mains	736	625	01/06/1970	107.30
Collection Mains	736	638	06/03/1968	1,509.00
Collection Mains	767	328	06/27/1969	9.00
Collection Mains	778	339	08/30/1972	6.50
Collection Mains	778	349	08/30/1972	6.75
Collection Mains	778	364	08/30/1972	7.50
Collection Mains	793	711	02/12/1973	8.00
Collection Mains	793	716	12/29/1972	8.00
Collection Mains	802	612	11/22/1968	8.00
Collection Mains	803	207	05/25/1970	358.50
Collection Mains	803	233	10/30/1971	510.00

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 353.2 - Land & Land Rights - Collection System

Description	Deed Book	Page Numbers	Date	Original Cost
Collection Mains	803	353	12/30/1970	1,207.50
Collection Mains	805	75	08/07/1973	8.50
Collection Mains	806	10	07/27/1973	7.50
Collection Mains	816	668	12/13/1973	8.50
Collection Mains	839	225	06/17/1971	11.50
Collection Mains	841	768	11/15/1974	9.00
Collection Mains	846	718	02/02/1972	10.50
Collection Mains	846	730	08/27/1974	10.50
Collection Mains	846	734	10/10/1973	10.50
Collection Mains	863	621	10/03/1975	9.50
Collection Mains	863	636	10/01/1975	9.50
Collection Mains	879	511	05/07/1976	9.50
Collection Mains	880	632	11/28/1975	169.00
Collection Mains	881	147	05/20/1976	223.00
Collection Mains	935	189	08/28/1970	11.50
Collection Mains	938	244	12/08/1977	10.50
Collection Mains	938	248	07/25/1977	12.00
Collection Mains	1002	174	04/15/1980	34.00
Collection Mains	1002	180	04/16/1980	33.50
Collection Mains	1026	757	04/10/1981	147.00
Collection Mains	1085	694	08/18/1983	14.50
Collection Mains	1085	699	08/08/1983	14.50
Collection Mains	1085	703	08/01/1983	14.50
Collection Mains	1085	707	07/22/1983	1.00
Collection Mains	1086	478	07/20/1983	20.50
Collection Mains	1088	580	09/08/1983	1.00
Collection Mains	1088	585	09/07/1983	1.00
Collection Mains	1091	578	10/18/1983	18.50
Collection Mains	1135	53	12/19/2003	1.00
Collection Mains	1161	338	10/08/1985	14.50
Collection Mains	1233	451	05/08/1986	1,244.00
Collection Mains	1296	426	06/01/1989	8,040.00
Collection Mains	1332	276	07/26/1990	16.50
Collection Mains	1503	65	02/01/1995	31.50
Collection Mains	INSTR# 200703125		01/30/2007	52.00

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 353.2 - Land & Land Rights - Collection System

<u>Description</u>	<u>Deed Book</u>	<u>Page Numbers</u>	<u>Date</u>	<u>Original Cost</u>
Collection Mains	INSTR# 200703127		01/30/2007	40.00
Collection Mains	Instr# 200805084		03/03/2008	4,052.00
Collection Mains	Instr# 201021047		07/12/2010	80.00
Collection Mains	Instr# 201407726		05/29/2014	66.50
Collection Mains	Instr# 201407729		05/07/2014	68.00
Collection Mains	Instr# 201407730		05/07/2014	68.00
Collection Mains	Instr# 201407731		05/07/2014	68.00
Collection Mains	Instr# 201603142		03/04/2016	253.50
Total Land Rights				----- \$45,521.98
Totals Account 353.2				----- \$80,662.60 =====

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 353.3 - Land & Land Rights - Pumping Plant

<u>Description</u>	<u>Deed Book</u>	<u>Page Numbers</u>	<u>Date</u>	<u>Original Cost</u>
<u>Land:</u>				
Pump Station - Keyser Valley	652	480	06/17/1968	\$507.50
Pump Station - Middle Street	655	410	04/22/1968	3,009.00
Pump Station - Myrtle Street	641	454	03/29/1968	40,000.00
Pump Station - Parrot	641	454	03/29/1968	1.00
Pump Station - Oakmont	641	454	03/29/1968	1.00
				-----
Total Land				\$43,518.50
<u>Land Rights:</u>				
Pump Station - Dorothy	Instr# 101619991		10/28/2016	\$36.00
Pump Station - Froude	1296	65	07/31/1989	14.50
Pump Station - Keyser Valley	641	454	03/29/1968	1.00
				-----
Total Land Rights				\$51.50
				-----
Total Account 353.3				\$43,570.00
				=====

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016

Account 353.4 - Land & Land Rights - Treatment & Disposal

<u>Description</u>	<u>Deed Book</u>	<u>Page Number</u>	<u>Date</u>	<u>Original Cost</u>
<u>Land:</u>				
WWTP Parcel 1	646	96	03/26/1968	\$1.00
WWTP Parcel 2	646	99	03/26/1968	1.00
WWTP Parcel 3	1129	148	02/05/1985	110,017.50
				-----
Total Account 353.4				\$110,019.50
				=====

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 354.3 - Structures & Improvements - Pumping Plant

Item	Year Installed	Quantity Unit	No.	Original Cost
<u>Dorothy Street Pump Station:</u>				
Wet well / dry well facility constructed in three levels. The above ground structure is comprised of brick masonry walls. The lower levels are constructed of reinforced concrete. The building is 12' x 12' and 26' deep.				
	1972	Ea.	1	\$21,621.54
Pump station upgrades including roofing, HVAC, Insulation, piping, electrical, control panels, generator & SCADA equipment.				
	2006	Lot		402,962.95
Access Road	2006	Lot		12,225.97
Meter Vault	2006	Ea.	1	24,150.42
Fence	2006	Lot		10,022.90
Total Dorothy Street Pump Station				\$470,983.78
<u>Froude Avenue Pump Station:</u>				
Submersible concrete pump station, pumps, valve vault, flow meter & generator				
	2006	Ea.	1	\$302,036.22
<u>Keyser Valley Pump Station:</u>				
Wet well / dry well facility constructed in three levels. The above ground structure is comprised of brick masonry walls. The lower levels are constructed of reinforced concrete. The building is 22.5' x 23' and 27.7' deep.				
	1972	Ea.	1	\$138,105.31
Pump station upgrades including roofing, HVAC, Insulation, piping, electrical, control panels, generator & SCADA equipment.				
	2006	Lot		583,220.53
Total Keyser Valley Pump Station				\$721,325.84
<u>Middle Street Pump Station:</u>				
Wet well / dry well facility constructed in three levels. The above ground structure is comprised of brick masonry walls. The lower levels are constructed of reinforced concrete. The building is 19.5' x 30.5' and 27.5' deep.				
	1972	Ea.	1	\$144,995.57
Pump station upgrades including roofing, HVAC, Insulation, piping, electrical, control panels, generator & SCADA equipment.				
	2006	Lot		517,099.66
Fence	2015	Ea.	1	13,400.00
Total Middle Street Pump Station				\$675,495.23

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 354.3 - Structures & Improvements - Pumping Plant

Item	Year Installed	----- Quantity ----- Unit	----- No.	Original Cost
<u>Myrtle Street Pump Station:</u>				
Wet well / dry well facility constructed in three levels. The above ground structure is comprised of brick masonry walls. The lower levels are constructed of reinforced concrete. The building is 23' x 26' and 24' deep.				
	1972	Ea.	1	\$126,436.17
Pump station upgrades including roofing, HVAC, Insulation, piping, electrical, control panels, generator & SCADA equipment.				
	2006	Lot		585,217.39
Fence				
	2015	Lot		18,335.00
Total Myrtle Street Pump Station				----- \$729,988.56
<u>Parrot Avenue Pump Station:</u>				
Wet well / dry well facility constructed in three levels. The above ground structure is comprised of brick masonry walls. The lower levels are constructed of reinforced concrete. The building is 16.8' x 28.3' and 24.5' deep.				
	1972	Ea.	1	\$22,479.99
Pump station upgrades including roofing, HVAC, Insulation, piping, electrical, control panels, generator & SCADA equipment.				
	2006	Lot		355,151.76
Total Parrot Avenue Pump Station				----- \$377,631.75
<u>Shawnee Pump Station:</u>				
Wet well / dry well facility constructed in three levels. The above ground structure is comprised of brick masonry walls. The lower levels are constructed of reinforced concrete. The building is 16.5' x 28.5' and 27.7' deep.				
	1972	Ea.	1	\$122,028.39
Pump station upgrades including roofing, HVAC, Insulation, piping, electrical, control panels, generator & SCADA equipment.				
	2006	Lot		507,947.58
Total Shawnee Pump Station				----- \$629,975.97
Total Account 354.3				----- \$3,907,437.35 =====

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016

Account 354.4 - Structures & Improvements - Treatment & Disposal

Item	Year Installed	----- Quantity ----- Unit	----- No.	Original Cost
Main Building	1972	Lot		\$1,468,938.87
Aeration Tanks	1972	Lot		3,371,811.57
Sludge Disposal Building	1972	Lot		1,873,501.11
Sludge Thickening Tanks	1972	Lot		691,840.31
Screening/Grit Chamber & Plant PS	1972	Lot		1,864,905.37
Primary Sedimentation Tanks	1972	Lot		937,797.82
Final Sedimentation Basins	1972	Lot		1,509,691.52
Chlorine Contact Tank Building	1972	Lot		432,923.88
Sludge Storage Tank	1972	Lot		306,476.21
Sludge Pumping Stations 1 & 2	1972	Lot		146,213.23
Grit Building	1972	Lot		311,013.87
Storehouse	1972	Lot		22,121.64
Plant Water Pit	1972	Lot		9,119.24
Water Meter Pit	1972	Lot		6,152.14
Maintenance Building	1985	Lot		1,267,451.78
Fiberglass Building in Place	2003	Lot		59,855.84
Instrumentation & Control	2003	Lot		193,318.16
Wet Scrubber Foundation, etc.	2003	Lot		256,331.80
Headworks Building	2003	Lot		64,556.95
Chlorine/Dechlor Building	2003	Lot		512,708.84
Chlorine/Dechlor Building - Roof	2003	Lot		28,075.62
Post Aeration Building	2003	Lot		194,486.17
Canopy Site	2003	Lot		417,707.98
Canopy Roofing	2003	Lot		28,303.73
Canopy Asphalt Paving	2003	Lot		23,180.38
Sludge Disposal	2003	Lot		274,701.08
Sludge Thickener Building	2003	Lot		357,607.86
Blower Room - Ventilation System	2003	Lot		90,997.04
Boilers - Sludge Hauling Building	2004	Ea.	2	240,403.35
Conference & Records Room Construction	2009	Lot		3,290.00
Blueprint Storage Room Construction	2009	Lot		3,925.00
Main Switchgear & Exterior Electric	2010	Lot		1,811,984.15
Exterior Lighting	2010	Lot		89,895.56
Building Electric - Interior	2010	Lot		478,054.77
Natural Gas Service - Piping & UGL Fees	2010	Lot		76,109.65



**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016

Account 354.4 - Structures & Improvements - Treatment & Disposal

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
Various Exterior Improvements	2010	Lot		1,931,968.12
Headworks Improvements	2010	Lot		1,148,552.52
Grit Removal System	2010	Lot		658,457.05
Dumpster Handling System	2010	Lot		344,523.00
Sludge Pump Stations #1 & #2	2010	Lot		448,763.13
Primary Tanks - Motors, Piping & Electrical	2010	Lot		341,057.41
Secondary Clarifiers - Motors, Piping & Elect.	2010	Lot		341,057.40
Headworks Building - HVAC	2010	Lot		714,115.57
Garage Door	2010	Lot		6,200.00
Steel Insulated Doors	2010	Lot		16,100.00
Automatic Slide Gate Equip. Yard	2011	Ea.	1	4,575.00
Automatic Slide Gate Plant	2011	Ea.	1	4,950.00
Garage Door	2012	Ea.	1	5,975.00
Overhead Door	2012	Ea.	1	5,975.00
Doors	2012	Ea.	3	3,635.00
Door	2012	Ea.	1	3,305.00
Doors at Headworks Building	2012	Lot		4,800.00
Doors for WWTP	2013	Ea.	4	8,325.00
Garage Roof Replacement	2014	Lot		188,545.95
Converted of Incinerator Bldg to Office Bldg	2015	Lot		4,346,328.27
Sludge Building Stairs Replacement	2015	Lot		81,494.68
Doors WWTP Side Entrance	2015	Lot		19,175.00
Chlorine Building Lever Handles	2015	Lot		5,501.00
Window for Operations Office	2015	Ea.	1	2,185.00
Door for Operations Office	2015	Ea.	1	2,685.00
WWTP Ramp Replacement	2015	Lot		51,914.48
WWTP Main Water Line	2015	Lot		703,283.95
WWTP Paving	2015	Lot		344,331.32
BTW Tanks at WWTP	2016	Lot		5,498.00
Bioreactor #1 - Piping & Etc.	2016	Lot		654,270.45
Bioreactor #2 - Piping & Etc.	2016	Lot		654,270.45
Bioreactor #3 - Piping & Etc.	2016	Lot		670,627.21
Bioreactor #4 - Piping & Etc.	2016	Lot		719,697.48
Bioreactor #5	2016	Lot		5,762,347.00
Sludge Thickener Building - HVAC Upgrades	2016	Lot		828,503.38

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016

Account 354.4 - Structures & Improvements - Treatment & Disposal

Item	Year Installed	----- Quantity ----- Unit            No.	Original Cost
Prim Settling Tank #5	2016	Lot	1,465,892.39
Primary Scum Pump Station #1	2016	Lot	145,334.47
Primary Scum Pump Station #2	2016	Lot	106,725.87
Primary Sludge Pump Station #1	2016	Lot	16,400.16
Primary Sludge Pump Station #3	2016	Lot	524,080.85
Primary Sludge Pump Station #3 - HVAC	2016	Lot	17,733.43
RAS Pump Station - New	2016	Lot	1,202,596.63
RAS Pump Station (Existing) - Mods	2016	Lot	202,531.12
Scum Concentrator Building	2016	Lot	692,299.59
Secondary Scum Pump Station #1	2016	Lot	107,991.28
Secondary Scum Pump Station #2	2016	Lot	119,217.00
Secondary Settling Tanks #5 & #6	2016	Lot	3,344,145.35
Yard Piping	2016	Lot	2,512,862.09
Lighting Poles	2016	Lot	20,500.20
Additional HVAC Fans - Headworks Building	2016	Lot	27,483.00
Server Room Renovation	2016	Lot	17,000.00
 			-----
Total Account 354.4			\$50,981,238.73
			=====

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 360 - Collection Sewers - Force

Item	Year Installed	----- Quantity Unit	----- No.	Original Cost
3" DI Pipe	1989	LF	391	\$4,590.34
6" DI Pipe	1972	LF	9,045	143,544.15
10" DI Pipe	1972	LF	2,905	91,071.75
Total Account 360				----- \$239,206.24 =====

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 361 - Collection Sewers - Gravity

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
4" Mains	1950	LF	1,836	\$9,455.40
6" Mains	1918	LF	2,214	6,819.12
6" Mains	1938	LF	1,349	4,802.44
6" Mains	1975	LF	1,350	31,914.00
6" Mains	1980	LF	1,067	34,901.57
6" Mains	1988	LF	1,752	79,435.68
6" Mains	1992	LF	356	17,928.16
8" Mains	1918	LF	51,676	159,162.08
8" Mains	1938	LF	44,169	157,241.64
8" Mains	1945	LF	18,854	79,375.34
8" Mains	1950	LF	18,854	131,223.84
8" Mains	1955	LF	18,854	161,767.32
8" Mains	1960	LF	18,854	207,582.54
8" Mains	1965	LF	18,854	225,870.92
8" Mains	1970	LF	18,854	256,414.40
8" Mains	1972	LF	229,740	2,817,337.71
8" Mains	1973	LF	7,229	123,471.32
8" Mains	1974	LF	7,503	128,151.24
8" Mains	1975	LF	16,732	285,782.56
8" Mains	1977	LF	4,767	87,951.15
8" Mains	1978	LF	12,014	231,990.34
8" Mains	1979	LF	11,619	242,256.15
8" Mains	1980	LF	16,651	476,013.25
8" Mains	1981	LF	7,888	185,999.04
8" Mains	1982	LF	5,933	138,891.53
8" Mains	1983	LF	3,960	102,168.00
8" Mains	1984	LF	4,540	115,543.00
8" Mains	1985	LF	15,624	554,804.88
8" Mains	1986	LF	8,084	207,192.92
8" Mains	1987	LF	10,026	359,632.84
8" Mains	1988	LF	1,982	74,598.12
8" Mains	1989	LF	18,827	711,591.49
8" Mains	1990	LF	28,945	1,190,239.79
8" Mains	1991	LF	9,216	320,567.28
8" Mains	1992	LF	34,962	1,696,300.22
8" Mains	1993	LF	1,917	63,203.49

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 361 - Collection Sewers - Gravity

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
8" Mains	1994	LF	1,369	44,670.47
8" Mains	1995	LF	353	12,305.58
8" Mains	1996	LF	1,341	48,343.05
8" Mains	1997	LF	1,666	61,475.40
8" Mains	1998	LF	10,729	395,900.10
8" Mains	1999	LF	9,891	548,644.89
8" Mains	2004	LF	480	21,571.20
8" Mains	2005	LF	7,561	373,362.18
8" Mains	2006	LF	5,531	313,773.63
8" Mains	2007	LF	2,797	174,420.92
8" Mains	2008	LF	780	51,300.60
8" Mains	2010	LF	893	55,232.05
8" Mains	2011	LF	4,122	383,344.26
8" Mains	2012	LF	818	56,883.72
8" Mains	2013	LF	159	10,594.17
8" Mains	2014	LF	2,043	225,946.14
8" Mains	2016	LF	151	10,009.79
10" Mains	1918	LF	11,293	68,661.44
10" Mains	1938	LF	3,415	24,041.60
10" Mains	1945	LF	6,839	56,900.48
10" Mains	1950	LF	6,839	94,241.42
10" Mains	1955	LF	6,839	115,989.44
10" Mains	1960	LF	6,839	148,953.42
10" Mains	1965	LF	6,839	161,947.52
10" Mains	1970	LF	7,649	205,605.12
10" Mains	1972	LF	26,070	397,991.70
10" Mains	1973	LF	11,091	192,030.84
10" Mains	1974	LF	7,360	141,238.40
10" Mains	1975	LF	16,413	314,965.47
10" Mains	1977	LF	4,676	96,933.48
10" Mains	1978	LF	11,785	255,616.65
10" Mains	1979	LF	11,397	266,917.74
10" Mains	1980	LF	9,168	332,153.01
10" Mains	1981	LF	7,737	204,953.13
10" Mains	1982	LF	5,820	153,007.80
10" Mains	1983	LF	3,885	112,587.30

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 361 - Collection Sewers - Gravity

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
10" Mains	1984	LF	4,453	127,355.80
10" Mains	1985	LF	8,160	369,397.98
10" Mains	1986	LF	7,930	228,384.00
10" Mains	1987	LF	4,334	133,140.48
10" Mains	1988	LF	1,282	48,472.42
10" Mains	1989	LF	17,622	755,470.14
10" Mains	1990	LF	17,047	690,403.50
10" Mains	1991	LF	8,683	333,340.37
10" Mains	1992	LF	3,307	116,174.91
10" Mains	1993	LF	1,880	69,635.20
10" Mains	1994	LF	1,343	49,247.81
10" Mains	1995	LF	346	13,549.36
10" Mains	1996	LF	1,316	53,298.00
10" Mains	1997	LF	1,634	67,761.98
10" Mains	1998	LF	10,524	436,430.28
10" Mains	1999	LF	1,375	57,805.00
10" Mains	2004	LF	1,078	57,570.70
10" Mains	2005	LF	7,416	411,439.68
10" Mains	2006	LF	5,426	345,798.98
10" Mains	2007	LF	2,744	192,272.08
10" Mains	2008	LF	766	56,615.06
10" Mains	2010	LF	876	60,882.00
10" Mains	2011	LF	1,259	94,248.74
10" Mains	2012	LF	803	62,738.39
10" Mains	2013	LF	156	11,678.16
10" Mains	2014	LF	295	21,744.45
10" Mains	2016	LF	148	11,023.04
12" Mains	1945	LF	5,519	45,918.08
12" Mains	1950	LF	5,518	76,038.04
12" Mains	1955	LF	5,518	93,585.28
12" Mains	1960	LF	5,518	120,182.04
12" Mains	1965	LF	5,518	130,666.24
12" Mains	1970	LF	5,518	148,323.84
12" Mains	1972	LF	16,270	284,691.00
12" Mains	1973	LF	8,687	187,378.59
12" Mains	1974	LF	9,017	194,496.69

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 361 - Collection Sewers - Gravity

Item	Year Installed	----- Quantity -----		Original Cost
		Unit	No.	
12" Mains	1975	LF	20,109	433,751.13
12" Mains	1977	LF	5,729	133,485.70
12" Mains	1978	LF	14,439	351,878.43
12" Mains	1979	LF	13,963	367,506.16
12" Mains	1980	LF	8,119	231,229.12
12" Mains	1981	LF	9,480	282,124.80
12" Mains	1982	LF	7,131	210,721.05
12" Mains	1983	LF	4,760	154,985.60
12" Mains	1984	LF	5,456	175,355.84
12" Mains	1985	LF	11,602	607,623.61
12" Mains	1986	LF	9,716	314,312.60
12" Mains	1987	LF	5,310	183,248.10
12" Mains	1988	LF	1,571	66,751.79
12" Mains	1989	LF	21,090	987,012.00
12" Mains	1990	LF	20,886	950,521.86
12" Mains	1991	LF	10,639	458,860.07
12" Mains	1992	LF	4,051	159,933.48
12" Mains	1993	LF	2,303	95,896.92
12" Mains	1994	LF	1,645	67,774.00
12" Mains	1995	LF	424	18,656.00
12" Mains	1996	LF	1,612	73,362.12
12" Mains	1997	LF	2,002	93,273.18
12" Mains	1998	LF	12,894	600,731.46
12" Mains	1999	LF	1,684	79,552.16
12" Mains	2002	LF	288	47,055.78
12" Mains	2003	LF	123	6,750.00
12" Mains	2004	LF	2,285	466,048.98
12" Mains	2005	LF	9,086	566,421.24
12" Mains	2006	LF	6,648	476,063.28
12" Mains	2007	LF	3,362	264,723.88
12" Mains	2008	LF	938	77,900.90
12" Mains	2010	LF	1,074	83,857.92
12" Mains	2011	LF	1,543	129,812.59
12" Mains	2012	LF	984	86,385.36
12" Mains	2013	LF	191	16,068.83
12" Mains	2014	LF	362	29,980.84

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 361 - Collection Sewers - Gravity

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
12" Mains	2015	LF	194	16,178.80
12" Mains	2016	LF	181	15,046.63
14" Mains	1950	LF	819	14,643.72
15" Mains	1918	LF	65,508	517,513.20
15" Mains	1938	LF	19,509	178,507.35
15" Mains	1945	LF	2,786	30,116.66
15" Mains	1950	LF	2,786	49,813.68
15" Mains	1955	LF	2,786	61,403.44
15" Mains	1960	LF	2,786	78,788.08
15" Mains	1965	LF	2,786	85,725.22
15" Mains	1970	LF	2,786	97,314.98
15" Mains	1972	LF	13,500	289,854.75
15" Mains	1973	LF	580	11,327.40
15" Mains	2002	LF	444	67,536.20
15" Mains	2004	LF	695	54,924.40
16" Mains	1918	LF	1,142	9,021.80
18" Mains	1918	LF	34,675	273,932.50
18" Mains	1938	LF	14,414	131,888.10
18" Mains	1950	LF	4,804	51,931.24
18" Mains	1960	LF	4,804	135,857.12
18" Mains	1972	LF	2,295	55,518.60
18" Mains	1975	LF	2,510	152,382.10
18" Mains	1993	LF	2,835	133,511.17
18" Mains	2004	LF	921	190,774.80
20" Mains	1918	LF	36,391	497,464.97
20" Mains	1938	LF	7,146	113,121.18
20" Mains	1950	LF	2,382	73,722.90
20" Mains	1960	LF	2,382	116,575.08
20" Mains	1975	LF	2,382	250,276.74
20" Mains	2000	LF	1,097	297,627.07
20" x 39"	1918	LF	190	2,411.10
21" Mains	1918	LF	1,084	14,818.28
21" Mains	1950	LF	2,056	63,633.20
22" Mains	1918	LF	817	10,367.73
22" Mains	1950	LF	1,094	33,859.30
24" Mains	1918	LF	35,523	450,786.87



**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 361 - Collection Sewers - Gravity

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
24" Mains	1938	LF	3,874	61,325.42
24" Mains	1973	LF	180	9,921.16
24" Mains	1975	LF	3,695	388,233.65
24" Mains	2004	LF	5,545	648,322.84
24" x 27"	1918	LF	900	10,305.00
24" x 36"	1918	LF	900	11,421.00
25" x 36"	1918	LF	131	1,662.39
25" x 41"	1938	LF	289	5,661.51
26" Mains	1918	LF	998	11,427.10
26" x 36"	1918	LF	378	4,796.82
26" x 38"	1918	LF	2,292	38,780.64
26" x 39"	1918	LF	4,606	77,933.52
26" x 41"	1918	LF	1,812	30,659.04
27" Mains	1918	LF	1,511	17,300.95
27" Mains	1950	LF	2,900	38,454.00
27" x 37"	1918	LF	401	6,784.92
28" x 42"	1918	LF	1,198	20,270.16
29" x 18"	1918	LF	148	1,694.60
29" x 44"	1918	LF	2,258	34,231.28
30" Mains	1918	LF	26,892	316,249.92
30" Mains	1938	LF	5,443	74,133.66
30" Mains	1950	LF	1,814	48,270.54
30" Mains	1960	LF	1,814	76,333.12
30" Mains	1975	LF	1,815	164,003.40
30" x 42"	1918	LF	999	15,144.84
30" x 54"	1918	LF	244	3,699.04
31" x 48"	1918	LF	157	2,380.12
32" Mains	1918	LF	2,982	37,841.58
32" x 38"	1918	LF	328	4,972.48
32" x 41"	1918	LF	830	12,582.80
32" x 47"	1918	LF	170	2,577.20
32" x 48"	1918	LF	847	12,840.52
32" x 49"	1918	LF	409	6,200.44
32" x 60"	1918	LF	382	6,027.96
33" Mains	1950	LF	1,393	39,993.03
34" x 35"	1918	LF	207	3,138.12

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 361 - Collection Sewers - Gravity

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
34" x 53"	1918	LF	2,805	44,262.90
36" Mains	1918	LF	2,718	45,988.56
36" Mains	1950	LF	707	27,071.03
36" x 38"	1918	LF	951	14,417.16
36" x 48"	1950	LF	808	28,861.76
36" x 54"	1918	LF	401	6,327.78
36" x 57"	1918	LF	436	7,691.04
37" x 57"	1918	LF	460	8,114.40
38" x 44"	1918	LF	198	3,124.44
38" x 57"	1918	LF	192	3,386.88
40" Mains	1950	LF	496	17,022.72
40" x 60"	1918	LF	1,040	18,345.60
40" x 64"	1918	LF	872	16,733.68
42" Mains	1950	LF	1,087	37,305.84
42" x 60"	1918	LF	982	18,844.58
44" Mains	1918	LF	277	4,199.32
44" Mains	1950	LF	138	4,736.16
44" x 44"	1938	LF	301	5,499.27
46" x 66"	1918	LF	476	9,134.44
46" x 68"	1918	LF	978	18,767.82
48" Mains	1918	LF	4,556	71,893.68
48" Mains	1950	LF	876	31,290.72
48" x 56"	1918	LF	54	1,036.26
48" x 78"	1918	LF	616	11,821.04
48" x 84"	1918	LF	3,206	67,454.24
48" x 90"	1918	LF	674	14,180.96
52" x 53"	1918	LF	225	4,317.75
54" x 78.5"	1938	LF	544	13,251.84
56" x 74"	1918	LF	2,682	56,429.28
56" x 80"	1918	LF	231	4,860.24
59" Mains	1918	LF	487	9,345.53
59" x 64"	1918	LF	176	3,703.04
60" Mains	1950	LF	2,077	90,183.34
60" x 72"	1918	LF	363	7,637.52
62" x 95"	1918	LF	672	20,381.76
63" Mains	1918	LF	367	7,042.73

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 361 - Collection Sewers - Gravity

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
66" x 99"	1918	LF	527	29,027.16
72" x 108"	1918	LF	1,272	70,061.76
87" CB Mains	1918	LF	402	22,142.16
Subtotal Gravity Mains			1,698,637	----- \$41,066,517.49
<u>Interceptor Mains:</u>				
24"	1972	LF	7,866	\$554,788.98
30"	1972	LF	1,846	111,959.90
36"	1972	LF	456	39,790.56
38"	1972	LF	735	64,136.10
48"	1972	LF	1,866	151,892.40
52"	1972	LF	781	71,055.38
54"	1972	LF	4,341	394,944.18
60"	1972	LF	8,738	864,712.48
66"	1972	LF	3,590	389,622.70
78"	1972	LF	6,304	986,071.68
80"	1972	LF	358	55,998.36
Total Interceptor Mains			36,881	----- \$3,684,972.72
<u>Manholes:</u>				
Manholes	1918	Ea.	1,233	192,002.76
Manholes	1938	Ea.	1,459	263,057.70
Manholes	1945	Ea.	191	40,698.28
Manholes	1950	Ea.	285	100,436.85
Manholes	1955	Ea.	191	82,962.76
Manholes	1960	Ea.	224	124,835.20
Manholes	1965	Ea.	191	115,835.77
Manholes	1970	Ea.	191	131,490.13
Manholes	1972	Ea.	1,751	1,406,333.16
Manholes	1973	Ea.	325	300,514.18
Manholes	1974	Ea.	115	145,131.67
Manholes	1975	Ea.	256	428,835.35
Manholes	1977	Ea.	73	135,672.33
Manholes	1978	Ea.	184	365,240.42

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 361 - Collection Sewers - Gravity

Item	Year Installed	----- Quantity ----- Unit                      No.		Original Cost
Manholes	1979	Ea.	177	376,391.09
Manholes	1980	Ea.	167	344,640.29
Manholes	1981	Ea.	121	303,876.29
Manholes	1982	Ea.	91	241,192.22
Manholes	1983	Ea.	61	167,201.76
Manholes	1984	Ea.	69	193,153.85
Manholes	1985	Ea.	169	425,383.15
Manholes	1986	Ea.	124	362,362.31
Manholes	1987	Ea.	89	251,003.20
Manholes	1988	Ea.	34	96,404.18
Manholes	1989	Ea.	275	924,058.02
Manholes	1990	Ea.	311	1,029,539.70
Manholes	1991	Ea.	8	480,597.06
Manholes	1992	Ea.	104	265,076.24
Manholes	1992	Ea.	51	181,630.61
Manholes	1993	Ea.	29	106,820.01
Manholes	1994	Ea.	21	78,794.97
Manholes	1995	Ea.	5	19,032.40
Manholes	1996	Ea.	20	77,786.29
Manholes	1997	Ea.	25	99,518.88
Manholes	1998	Ea.	164	667,600.22
Manholes	1999	Ea.	62	208,276.23
Manholes	2004	Ea.	40	334,058.14
Manholes	2005	Ea.	116	622,671.32
Manholes	2006	Ea.	85	485,376.83
Manholes	2007	Ea.	43	261,475.47
Manholes	2008	Ea.	12	80,960.76
Manholes	2010	Ea.	14	100,531.28
Manholes	2011	Ea.	30	201,873.88
Manholes	2012	Ea.	13	100,205.47
Manholes	2013	Ea.	2	16,187.94
Manholes	2014	Ea.	15	101,870.22
<b>Total Manholes</b>			<b>9,216</b>	<b>\$13,038,596.84</b>

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 361 - Collection Sewers - Gravity

Item	Year Installed	----- Quantity ----- Unit	----- No.	Original Cost
<u>Stream / Railroad Crossings:</u>				
Steam Crossing - Ash St	2004	Ea.	1	\$110,917.26
Stream Crossing - Myrtle St	2004	Ea.	1	108,352.27
RR Crossing	2016	Ea.	1	125,413.39
				-----
Total Stream / Railroad Crossings				\$344,682.92
<u>Catch Basins:</u>				
Catch Basins	1918	Ea.	1,324	\$206,173.28
Catch Basins	1938	Ea.	669	120,620.70
Catch Basins	1945	Ea.	88	18,751.04
Catch Basins	1950	Ea.	130	45,813.30
Catch Basins	1955	Ea.	88	38,223.68
Catch Basins	1960	Ea.	103	57,401.90
Catch Basins	1965	Ea.	88	53,369.36
Catch Basins	1970	Ea.	88	60,581.84
Catch Basins	1973	Ea.	2	1,639.10
Catch Basins	1975	Ea.	117	139,996.35
Catch Basins	1980	Ea.	23	38,076.50
Catch Basins	1985	Ea.	29	60,368.43
Catch Basins	1987	Ea.	9	19,398.87
Catch Basins	1988	Ea.	4	9,179.00
Catch Basins	1989	Ea.	3	7,253.04
Catch Basins	1990	Ea.	19	46,870.34
Catch Basins	1991	Ea.	1	2,516.03
Catch Basins	1992	Ea.	54	137,635.74
Catch Basins	1999	Ea.	14	41,420.26
Catch Basins	2000	Ea.	2	6,179.44
Catch Basins	2011	Ea.	5	26,553.55
Catch Basins	2014	Ea.	3	17,972.82
				-----
Total Catch Basins			2,863	\$1,155,994.57

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 361 - Collection Sewers - Gravity

Item	Year Installed	----- Quantity ----- Unit	----- No.	Original Cost
<u>CSO Assets:</u>				
Outfalls	1972	Ea.	77	\$110,822.25
Regulator Chambers	1972	Ea.	65	695,414.85
Regulator Chambers - Modifications	2004	Lot		93,898.02
Diversion Manholes	1972	Ea.	12	20,638.92
Culverts	1972	Ea.	46	7,073,819.60
Detention Basin - 1.2 MG	2016	Ea.	1	9,522,213.00
				\$17,516,806.64
Total CSO Assets				
Biofiltration Systems	2013	Ea.	11	\$302,696.28
				\$77,110,267.46
Total Account 361				\$77,110,267.46

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 363 - Services to Customers

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
Services to Customers	1918	EA	1,585	\$27,515.60
Services to Customers	1938	LF	5,957	144,755.10
Services to Customers	1945	LF	779	22,988.29
Services to Customers	1950	LF	1,158	56,278.80
Services to Customers	1955	LF	779	48,679.71
Services to Customers	1960	LF	914	76,154.48
Services to Customers	1965	LF	779	78,429.72
Services to Customers	1970	LF	779	106,824.27
Services to Customers	1972	LF	3,478	579,573.92
Services to Customers	1973	LF	481	116,887.81
Services to Customers	1974	LF	500	139,735.00
Services to Customers	1975	LF	1,114	332,974.60
Services to Customers	1977	LF	317	107,076.26
Services to Customers	1978	LF	800	281,896.00
Services to Customers	1979	LF	774	300,946.68
Services to Customers	1980	LF	246	74,724.96
Services to Customers	1980	LF	450	191,367.00
Services to Customers	1981	LF	525	234,753.75
Services to Customers	1982	LF	395	190,062.15
Services to Customers	1983	LF	264	132,799.92
Services to Customers	1984	LF	302	157,785.94
Services to Customers	1985	LF	313	120,069.93
Services to Customers	1985	LF	381	204,616.05
Services to Customers	1986	LF	538	295,474.98
Services to Customers	1987	LF	396	205,043.94
Services to Customers	1988	LF	131	70,509.94
Services to Customers	1989	LF	1,200	746,798.97
Services to Customers	1990	LF	1,368	832,608.91
Services to Customers	1991	LF	597	393,283.11
Services to Customers	1992	LF	936	531,951.61
Services to Customers	1994	LF	91	66,342.64
Services to Customers	1995	LF	23	17,159.15
Services to Customers	1996	LF	89	69,426.23
Services to Customers	1997	LF	111	87,126.12
Services to Customers	1998	LF	715	573,379.95

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 363 - Services to Customers

Item	Year Installed	----- Quantity ----- Unit	----- No.	Original Cost
Services to Customers	1999	LF	248	165,344.70
Services to Customers	2000	LF	20	12,081.20
Services to Customers	2004	LF	42	187,388.21
Services to Customers	2005	LF	504	502,155.36
Services to Customers	2006	LF	368	406,003.36
Services to Customers	2007	LF	187	228,819.60
Services to Customers	2008	LF	52	64,952.16
Services to Customers	2009	LF	59	79,573.30
Services to Customers	2011	LF	137	170,969.39
Services to Customers	2012	LF	55	79,926.00
Services to Customers	2013	LF	11	16,092.23
Services to Customers	2014	LF	52	63,321.52
 Total Account 363			 31,000	 ----- \$9,592,628.52 =====



**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 364 - Flow Measuring Equipment

Item	Year Installed	----- Quantity ----- Unit                      No.		Original Cost
Influent Flow Meter	2009	Ea.	1	\$19,181.61
Flow Meters	2010	Lot		43,821.51
Flow Meters w/Sensors (910 AV)	2010	Ea.	9	29,332.60
Flow Meter For Plant (ADFM)	2010	Ea.	1	31,565.00
Flow Meters W/Sensors (910 AV)	2011	Ea.	3	9,728.50
Flow Meters With Sensors	2012	Ea.	4	11,235.50
Flow Meter Ultrasonic For 003	2012	Ea.	1	1,018.63
Flowmeter	2013	Ea.	2	5,882.00
Flow Meter w/Sensor	2014	Ea.	1	3,236.17
Flow Meters	2016	Lot		246,002.36
 Total Account 364				\$401,003.88

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 371 - Pumping Equipment

Item	Year Installed	----- Quantity ----- Unit	----- No.	Original Cost
Pump	1997	Ea.	1	\$65,891.00
Motor	1997	Ea.	1	8,350.00
Pumps, Materials	1998	Lot		126,283.62
Pumps & Motors - Pump Stations	2006	Lot		346,984.97
Pump Station Grinder	2008	Ea.	1	62,260.00
Pumps - Primary	2009	Ea.	4	29,775.81
RAS Pumps Spare Parts	2009	Lot		14,440.00
Pumps & VS Drive - Headworks	2010	Lot		102,450.83
Grit Pumps	2010	Lot		99,125.03
Main Effl. Pumps for Headworks Bldg	2010	Ea.	4	534,966.00
Grinder Pumps - Prim Pump Project	2010	Ea.	2	18,230.65
Wemco Grit Pump	2010	Ea.	1	26,877.00
Yeomans Submersible Pump	2010	Ea.	1	4,399.00
Waste Activated Sludge Pumps	2012	Ea.	3	53,890.00
Grinder Pumps 5 HP - Froude St.	2013	Ea.	2	11,754.00
Fairbanks Morse Pump	2014	Ea.	1	21,950.00
Pentair Rotating Assembly - Impellers	2013	Ea.	2	15,745.94
Channel Grinder - Myrtle St	2015	Ea.	1	29,650.00
Grit Slurry Base Pump	2015	Ea.	1	24,030.00
Primary Sludge Pump Sta #3 - Grinder	2016	Lot		30,876.81
Primary Sludge Pump Sta #3 - Pumps	2016	Lot		89,096.73
RAS Pump Station - Pumps	2016	Lot		408,112.58
RAS Pump Station (Existing) - Pumps	2016	Lot		222,741.81
Utility Water Pumps	2016	Lot		176,234.02
Polymer Pumps	2016	Lot		45,746.90
Total Account 371				----- \$2,569,862.70 =====

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 380 - Treatment & Disposal Equipment

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
Continuous Self Cleaning Screens	1984	Ea.	2	\$1,055,180.71
Capital Equipment	1986	Lot		64,089.04
Modification to the Grit Removal System	1987	Lot		1,660,003.55
Sludge Presses	1988	Lot		919,728.60
Tank Rehab	1994	Lot		9,285.45
Bar Screen	1994	Lot		31,941.10
Slide Gates	1994	Lot		76,280.00
Storage Bins	1994	Lot		122,842.90
Slide Gates	1995	Lot		76,280.00
Clarifier Improvement	1995	Lot		133,774.10
Bar Screen	1996	Lot		47,195.68
Carbon Scrubber	1996	Lot		64,878.61
Primary Tank	1996	Lot		53,851.10
Roller Assembly	1997	Lot		30,904.00
Replacement Tank	1997	Lot		9,118.23
Water Coils	1997	Lot		2,300.00
Filter Belts	1998	Lot		2,687.00
Chain Assembly	1998	Lot		7,302.72
Wearstrip	1998	Lot		4,288.50
Strainer	1998	Lot		33,600.44
Hydro Gate	2003	Lot		6,746.00
Press Roller	2003	Lot		17,549.90
Boilers - Sludge Hauling Building	2004	Ea.	2	240,403.35
Belt Filter Press - Replacement Parts	2004	Lot		47,500.00
Blowers	2004	Ea.	4	993,555.27
Blower Controls	2004	Lot		43,360.19
Blower Master Control Panel	2004	Ea.	1	87,609.80
Local Blower Control Panel	2004	Ea.	4	190,104.38
FCI Flow Transmitters	2004	Ea.	8	120,296.72
Danfoss DO Probes & Transmitters	2004	Ea.	8	77,603.61
FDC / Limitorque Valves - Blower Inlet	2004	Ea.	4	64,484.38
M&H / Limitorque Airflow Control Valves	2004	Ea.	8	202,792.23
Slide Gates	2004	Ea.	40	312,694.41
Aeration Equipment	2004	Ea.	4	677,365.37
Weirs & Baffles	2004	Ea.	4	120,041.98
Piping (SS & Steel) & Valves	2004	Lot		751,555.99
Chlorine Injection System	2004	Lot		10,301.27
Radio Telemetry	2004	Lot		9,172.35

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 380 - Treatment & Disposal Equipment

Item	Year Installed	----- Quantity ----- Unit            No.		Original Cost
Installation of Handrail & Posts	2004	Lot		152,082.84
Replacement of Grating	2004	Lot		25,877.97
Replace Carbon Media in Existing Scrubber	2004	Lot		108,354.76
Sluice Gates	2004	Ea.	2	72,766.55
Bar Screen	2004	Ea.	2	804,261.78
Grit Piping Replacement	2004	Lot		57,049.76
Chlorine System Modifications	2004	Lot		51,428.40
Emergency Lighting	2004	Lot		7,761.97
High Flood Alarm	2004	Ea.	1	6,478.02
Chemical Feed System	2006	Lot		11,772.93
Bar Screen	2009	Lot		78,435.60
Rotating Assembly	2009	Lot		36,893.00
Serpentix Sludge Trans Conveyor	2009	Lot		41,750.00
Parkson Bar Screen Aqua Guard	2009	Lot		57,935.60
Dezurik Plug Valves - RAS System	2009	Ea.	12	42,898.00
Mech Bar Screen Cap Project	2009	Lot		2,100.00
Auto Hyper Jet - Headworks	2010	Ea.	1	47,267.39
22" Tideflex Valve	2010	Ea.	1	5,175.00
26" Tideflex Check Mate Valve	2010	Ea.	1	6,537.10
Replacement Parts For Tanks	2010	Lot		115,000.00
Grit Channel Spare Parts	2010	Lot		46,383.75
Ci2 & Co2 System Upgrades	2010	Lot		1,758.00
Install Slurry Water System	2010	Lot		26,513.94
Caustic System Upgrade	2011	Lot		7,810.00
Polymer Tanks For Plant	2011	Lot		9,999.00
Digestion System	2012	Lot		39,280.00
Thickener Tank Sludge Mixer	2012	Ea.	1	9,050.00
36" Tideflex Check Valve	2014	Ea.	1	10,693.00
Sludge Belt Rebuild	2014	Lot		10,057.75
Rebuild Bar Screen	2014	Lot		52,780.13
Rebuild Bar Screens	2016	Lot		136,890.00
Alum Chemical Feed System	2016	Lot		103,191.07
Bioreactor #1 - Diffuser	2016	Lot		89,096.73
Bioreactor #1 - Feed Channel	2016	Lot		138,099.92
Bioreactor #1 - Mixers	2016	Lot		85,755.59
Bioreactor #2 - Diffuser	2016	Lot		89,096.73
Bioreactor #2 - Feed Channel	2016	Lot		138,099.92
Bioreactor #2 - Mixers	2016	Lot		85,755.59

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 380 - Treatment & Disposal Equipment

Item	Year Installed	----- Quantity ----- Unit	----- No.	Original Cost
Bioreactor #3 - Diffuser	2016	Lot		89,096.73
Bioreactor #3 - Feed Channel	2016	Lot		138,099.92
Bioreactor #3 - Mixers	2016	Lot		85,755.59
Bioreactor #4 - Diffuser	2016	Lot		89,096.73
Bioreactor #4 - Feed Channel	2016	Lot		148,494.55
Bioreactor #4 - Mixers	2016	Lot		85,755.59
Bioreactor #5 - Diffuser	2016	Lot		133,645.10
Bioreactor #5 - Mixers	2016	Lot		74,247.27
Primary Effluent Channel Extension	2016	Lot		105,431.12
Carbon Source Chemical System	2016	Lot		324,283.96
Prim Settling Tank #1 - Scum Skimmer System	2016	Lot		29,698.90
Prim Settling Tank #2 - Scum Skimmer System	2016	Lot		29,698.90
Prim Settling Tank #3 - Scum Skimmer System	2016	Lot		29,698.90
Prim Settling Tank #4 - Scum Skimmer System	2016	Lot		29,698.90
Prim Settling Tank #5 - Equipment	2016	Lot		207,892.36
Prim Settling Tank #5 - Scum Skimmer System	2016	Lot		14,849.45
Scum Collection System	2016	Lot		334,868.94
Scum Concentrator Building - Equipment	2016	Lot		593,978.17
Secondary Settling Tank #1 - Mods.	2016	Lot		66,822.54
Secondary Settling Tank #2 - Mods.	2016	Lot		66,822.54
Secondary Settling Tank #3 - Mods.	2016	Lot		66,822.54
Secondary Settling Tank #4 - Mods.	2016	Lot		66,822.54
Secondary Settling Tanks #5 & #6 - Equipment	2016	Lot		497,456.71
Dissolved Oxygen Transmitters & Probes	2016	Lot		118,863.62
Total Account 380				----- \$14,618,708.29 =====

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 389.6 - Other Plant & Miscellaneous Equipment

<u>Item</u>	<u>Year Installed</u>	<u>----- Quantity ----- Unit No.</u>	<u>Original Cost</u>
Long Term Control Plan	2013	Lot	\$4,142,753.27
Total Account 389.6			<u><u>\$4,142,753.27</u></u>

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 390 - Office Furniture & Equipment

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
Work Stations	1997	Lot		\$9,560.00
Conference Table	1997	Ea.	1	536.70
Telephone System	2007	Lot		9,416.65
Admin Office Furniture	2007	Lot		11,837.32
Admin Office Furniture	2007	Lot		3,696.20
Admin Office Furniture	2007	Lot		3,409.84
Computers	2007	Ea.	6	2,422.14
Counter Tops	2007	Lot		2,672.30
Admin Office Furniture	2007	Lot		775.15
Bathroom @ Admin	2008	Lot		6,450.00
DX Dempsey Fees	2008	Lot		21,340.00
GPS System	2008	Lot		14,828.00
Camera System	2008	Lot		12,008.00
SCADA Computers	2009	Ea.	2	1,930.00
Desk for Admin Office	2009	Ea.	1	515.00
MIPP Computer & Camera	2009	Lot		828.95
Office Equipment For Plant & Admin	2009	Lot		1,019.94
Office Equipment For Plant & Admin	2009	Lot		1,349.95
Office Equipment For Plant & Admin	2009	Lot		1,884.93
Server Rack & 2 Cyberpower UPS Systems	2009	Lot		1,644.44
Computer Room Construction	2009	Lot		3,840.98
Time Clock	2010	Ea.	1	5,600.52
Laptop for Exec Director	2010	Ea.	1	941.41
Laser Printer for Plant Office	2010	Ea.	1	1,393.07
Laptops for IT Dept	2010	Ea.	2	1,799.98
Buffalo File Storage Units	2010	Ea.	2	2,852.11
Microsoft Office Upgrades	2010	Lot		15,075.00
Wincan V8 Advanced Software	2010	Lot		15,267.89
Laptops For Road Crews	2010	Ea.	3	1,199.95
Wwtp Isp Connection	2010	Lot		13,945.00
Acrobat Software Licensing	2010	Lot		2,475.00
Engineering Plotter	2010	Ea.	1	13,901.58
Acronis Backup & Recovery Server	2011	Lot		1,739.21
Buffalo Hard Drives-B/U Device	2011	Ea.	2	3,009.99
Laptop	2011	Ea.	1	440.52
Laptops & Mounts-Collection Dept	2011	Lot		5,262.59
It Equipment For Plant Network	2011	Lot		1,690.49

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 390 - Office Furniture & Equipment

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
Security System For Plant	2011	Lot		7,671.17
Laptop	2011	Ea.	1	434.12
Buffalo Terastation Raid Backup	2011	Lot		2,415.69
Desktops/Laptops	2011	Lot		9,094.17
Esri Ela Gis Software	2012	Lot		25,000.00
Esri Gis Server	2012	Lot		8,830.21
Cisco Switch For Server Upgrade	2012	Lot		4,570.90
Backup Storage	2012	Lot		2,349.99
Opswin To Hach Wims Upgrade	2012	Lot		6,305.00
Server Upgrade Frm Fy 3/12	2012	Lot		15,295.39
Laptops & Mounts	2012	Ea.	2	7,760.12
3 Mil Spec Laptop For Vactor,Eng,Genl &Mounts	2012	Lot		5,989.93
Trimble Juno 3B Hh Units	2012	Ea.	2	3,773.00
Employee Time Clock	2012	Lot		1,775.00
Trimble Juno 3B Hh Units	2013	Ea.	3	2,961.97
Computers	2013	Lot		1,547.84
Kenwood Mobile Radios W/Gps	2013	Ea.	8	6,744.00
(1) Each Desk; Credenza; Hutch; File Cabinet	2013	Lot		5,160.00
Desks - #3400 OAK	2013	Ea.	2	2,000.00
(1) Each Bookcase; Storage Cab. w/ Lateral File	2013	Lot		2,100.00
Bookcases	2013	Ea.	2	1,200.00
72"x24"x29" Cherry Combination Credenza	2013	Ea.	1	1,100.00
VPN Upgrade	2014	Lot		7,784.97
Mobile Devices - Tean viewer software	2014	Lot		2,697.05
Asset Management Software license	2014	Lot		11,985.61
Computer Notebooks & Mounts	2014	Lot		12,019.31
Desktop laptops	2014	Lot		6,865.30
Bnr Project Scada Computer	2014	Lot		11,888.22
Admin Office Shelving	2014	Lot		4,527.98
Laptop/Desktops	2014	Lot		7,926.55
Netmotion Licenses	2015	Ea.	10	3,092.54
Laptops	2015	Ea.	2	1,981.17
Network Upgrade Plant Wireless	2015	Lot		9,387.06
Desktops/Laptops	2016	Lot		3,819.13
Plant Security Camera System	2016	Lot		14,440.00
SCADA System	2016	Lot		429,137.46
Computer Work Station Equipment - SCADA	2016	Lot		75,167.39



**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 390 - Office Furniture & Equipment

<u>Item</u>	<u>Year Installed</u>	<u>----- Quantity ---- Unit No.</u>	<u>Original Cost</u>
Server Upgrade, Software Upgrade, Etc.	2016	Lot	184,437.20
Laptops	2016	Lot	2,666.97
Security Camera System	2016	Lot	4,875.00
Total Account 390			<u>----- \$1,117,338.21 =====</u>

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 391 - Transportation Equipment

Item	Year Installed	----- Quantity ----- Unit	----- No.	Original Cost
2001 Cam Trailer	2001	Ea.	1	\$7,500.00
2002 Mack Dump Truck	2002	Ea.	1	95,000.00
2004 Sterling Vactor Truck	2004	Ea.	1	75,000.00
2006 Ford F250 Truck	2005	Ea.	1	21,215.00
2006 Ford E450 Van w/Cam Diesel & Gen	2006	Ea.	1	174,600.00
2007 Sterling Dump Truck	2006	Ea.	1	99,532.58
2008 Ford F550 Truck	2007	Ea.	1	46,030.00
2008 Ford Escape	2008	Ea.	1	18,571.84
2008 Chevrolet 3500 Cutaway Van	2008	Ea.	1	25,048.50
2008 Ford F250 Truck	2008	Ea.	1	21,694.00
2008 Ford F250 Truck	2008	Ea.	1	21,694.00
2007 Mack Tri Axle Dump Truck	2008	Ea.	1	129,000.00
Stainless Steel	2008	Ea.	1	4775.00
9' Fisher HD Snow	2008	Ea.	1	4500.00
2009 Peterbilt CAPVAX MC Vactor	2009	Ea.	1	252,355.00
2009 International A7000 Sweeper	2009	Ea.	1	174,850.00
2010 Freightliner CBC950 Clam Truck	2009	Ea.	1	162,300.00
2009 Chevrolet Silverado 2500 HD	2009	Ea.	1	24,642.50
2009 Chevrolet Silverado 2500 HD	2009	Ea.	1	24,702.50
HD Steel Snow	2009	Ea.	1	10,099.00
2007 Ford E450 & 2 Supervision Cams	2010	Ea.	1	245,374.89
2011 Chevrolet Equinox	2011	Ea.	1	23,337.50
2011 Chevrolet Silverado 2500 HD	2011	Ea.	1	25,157.50
2011 Bri-Mar EH825-24 Trailer	2011	Ea.	1	9,850.00
22 Yd Poly Box For Dump Truck	2011	Ea.	1	11,174.00
2012 Chevrolet Silverado 2500 HD	2012	Ea.	1	23,956.56
2012 Chevrolet Traverse	2012	Ea.	1	27,295.10
2012 Mack GU713 Tandem Dump Truck	2012	Ea.	1	135,504.00
2012 Chevrolet Silverado 3500 Dump Truck	2012	Ea.	1	41,558.50
2012 Chevrolet Silverado 33500 Utility Truck	2012	Ea.	1	55,254.56
2013 Kenworth Vactor 2100 Plus Truck	2013	Ea.	1	404,000.00
2013 Camera Upgrades for Trucks	2013	Lot		156,571.31
Lift Gate for Pickup Truck	2013	Ea.	1	3,549.20
Bucket for Dump Truck	2013	Ea.	1	5,410.57
2015 GMC Terrain	2014	Ea.	1	23,542.00
2015 GMC Terrain	2014	Ea.	1	23,542.00

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 391 - Transportation Equipment

Item	Year Installed	----- Quantity ----- Unit                      No.		Original Cost
2015 Ford F250 Truck	2014	Ea.	1	22,290.60
Snow Plow for Truck	2014	Ea.	1	4,636.50
2015 Ford E350 Cutaway	2015	Ea.	1	32,641.60
2015 Ford E350 Cutaway	2015	Ea.	1	32,641.60
2015 Ford E350 Cutaway	2015	Ea.	1	30,191.60
2015 Peterbilt GAPVAX MC Series Vector	2015	Ea.	1	345,520.00
2015 Mack GU713 Dump Truck	2015	Ea.	1	147,190.66
2010 GMC Terrain (Used)	2015	Ea.	1	15,149.00
2013 GMC Terrain (Used)	2015	Ea.	1	25,119.00
2016 Ford F250 Truck	2016	Ea.	1	24,191.00
2016 Ford F250 Truck	2016	Ea.	1	24,191.00
2016 Ford F250 Truck	2016	Ea.	1	24,191.00
2016 Hudson DH12 Trailer	2016	Ea.	1	4,583.00
2016 Dodge Ram 3500 Dump Truck	2016	Ea.	1	53,373.00
 Total Account 391				\$3,394,097.17

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 393 - Tools, Shop & Garage Equipment

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
Snap On Tools	2006	Lot		\$12,814.95
Power Wash Systems	2006	Ea.	4	31,333.72
Trenchtech	2007	Ea.	1	8,250.00
Walk Behind Saw	2007	Ea.	1	4,870.00
Lifting Tool SLC-24	2007	Ea.	1	2,396.16
Camera System	2007	Ea.	1	10,150.00
Upgrade Pearpoint	2007	Ea.	1	44,039.59
Man Doors in Main Lobby	2007	Ea.	1	6,195.00
Camera System	2007	Ea.	1	10,150.00
Trench Box	2007	Ea.	1	2,770.00
Man Doors in Main Lobby	2008	Ea.	1	3,235.00
Walk Behind Saw	2008	Ea.	1	4,859.00
Man Doors	2008	Ea.	1	9,465.00
Trench Box	2008	Ea.	1	9,585.00
Miller Welding	2008	Ea.	1	4,571.25
1500 PSI 2HP Pressure	2008	Ea.	1	1,279.00
Spur Camera & Lock	2009	Ea.	1	13,163.00
Alignment & Vibration Tools	2009	Ea.	1	1,281.95
Alignment & Vibration Tools	2009	Ea.	1	8,024.05
Miller 7' Lifeline Tripod & Supplies	2009	Ea.	1	3,104.78
Excavator Compaction Plate	2009	Ea.	1	4,943.53
Survey Grade GPS System	2009	Ea.	1	26,997.80
Miller 2050 Plasma Cutter	2010	Ea.	1	2,355.00
Wacker Saws	2010	Ea.	2	1,950.00
Hot Water Pressure Washer	2010	Ea.	1	3,999.99
Ridged Jet Washer for Plant	2010	Ea.	1	4,825.00
Northstar Hot Water Pressure Washer	2010	Ea.	1	2,497.77
Milwaukee HD Magnetic Base Drill	2010	Ea.	1	1,596.89
18" Walkbehind Concrete Saw	2010	Ea.	1	1,740.00
Thermal Imaging Infrared Camera	2010	Ea.	1	2,018.13
Hydraulic Chainsaw	2010	Ea.	1	8,089.00
Skid Type Agricultural Sprayer	2010	Ea.	1	2,842.00
Toro Z400 Riding Mower	2010	Ea.	1	5,560.27
Miller Mightevac Tripod System	2010	Ea.	1	3,399.07
Stihl 14" Cut Off Saw	2010	Ea.	1	1,327.06
Tennant 20" Slow Speed Buffer	2011	Ea.	1	1,235.00
Wireless Inspection Camera	2011	Ea.	1	773.01
Various Tools for Plant	2011	Lot		2,598.81

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 393 - Tools, Shop & Garage Equipment

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
Monster Blast Cabinet	2011	Ea.	1	2,688.17
Tools for Plant Maint.	2011	Lot		3,742.36
Rebuild Truck Scale	2011	Ea.	1	8,249.00
14" Cut Off Saw for Collection	2011	Ea.	1	1,125.00
14" Partner/HVSQ Cut Off Saw	2011	Ea.	1	952.50
Northstar Electric Pressure Washer	2011	Ea.	1	2,083.83
Marathon Tar Buggy	2011	Ea.	1	5,900.00
Tools for Plant Main.	2012	Lot		10,046.32
Pressure/Vacuum Pump	2012	Ea.	1	613.77
Hydro Shoring & Trench Boxes	2012	Ea.	1	17,005.00
2008 Yamaha Golf Cart	2012	Ea.	1	3,250.00
Tamper for 410G Backhoe	2012	Ea.	1	7,200.00
Waste Oil Storage Tank	2012	Ea.	1	2,021.90
Mentor Scan Tool & Starter Kit	2012	Ea.	1	3,499.98
Tools for Maint. Dept.	2012	Lot		932.38
Tools for Plant Utility Truck	2012	Lot		4,113.55
Compressor for Utility Truck	2012	Ea.	1	657.00
Tools for Utility Truck	2012	Lot		110.00
Tools for Garage	2012	Lot		1,690.63
11" Vibratory Tamper	2012	Ea.	1	3,050.00
Plant Maint. Tools	2012	Lot		1,339.00
Tools for Plant	2013	Lot		753.23
Epps Hot Water Pressure Washer	2013	Ea.	1	9,683.00
Tools for Garage	2013	Lot		1,036.46
Miller Fall Arrest System	2013	Ea.	1	4,642.60
Plant Fuel Tank Project (Above Ground Tank)	2013	Ea.	1	100,120.00
12' X 20' Storage Sheds	2014	Ea.	3	13,575.00
Epps Model 1214 Pressure Washer	2015	Ea.	1	3,599.00
Shed	2015	Ea.	1	2,975.00
Pressure Washer	2016	Ea.	1	5,166.00
Pavement Breaker Hammers	2016	Ea.	2	4,244.52
Walk Behind Saw	2016	Ea.	1	5,965.80
Trench Box	2016	Ea.	1	9,016.80
Snow Blowers	2016	Ea.	2	3,348.00
Total Account 393				----- \$514,681.58 =====

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 394 - Laboratory Equipment

Item	Year Installed	----- Quantity ----- Unit	----- No.	Original Cost
Lab Glassware	2006	LOT		\$4,744.41
Lab Incubator	2007	EA	1	1,717.65
Lab Forced Oven	2007	EA	1	1,806.63
Autoclave	2008	EA	1	4,045.22
Flygt Mixer for SL	2008	EA	1	36,881.84
Flygt Mixer for SL	2008	EA	1	3,702.25
SS Desiccating Cabinet	2010	EA	1	2,418.04
All Weather Refrigerated Sampler	2010	EA	1	6,838.50
Ice Machine for Lab	2011	EA	1	1,895.00
Spectrophotometer for Lab	2011	EA	1	3,588.03
Lab Millipore Vacuum Pump	2011	EA	1	1,873.62
Dissolved Oxygen BOD Meter	2012	EA	1	2,713.19
Turbosog Scrubber Unit	2012	EA	1	4,325.00
Teledyne ISCO Sampler	2012	EA	1	4,477.67
Laboratory Equipment	2012	EA	1	727.50
Lab Stream Scrubber	2013	EA	1	5,613.75
Portable Sample Refrigerator	2013	EA	1	4,573.96
Lab Distiller	2014	EA	1	8,457.97
Tuttnauer Autoclave	2014	EA	1	4,576.00
BOD Incubator	2014	EA	1	3,826.05
 Total Account 394				\$108,802.28

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 395 - Power Operated Equipment

Item	Year Installed	----- Quantity ----- Unit	----- No.	Original Cost
John Deere 410G Backhoe	2006	Ea.	1	\$99,992.04
TCM Forklift TCM FG25T3	2007	Ea.	1	19,935.00
EZ-GO Workhorse Golf Cart	2008	Ea.	1	6,125.00
New Holland NL 185 Skid Steer w/Trailer	2008	Ea.	1	42,145.00
John Deere 410J Backhoe	2009	Ea.	1	105,000.00
Takeuchi TB175 Excavator	2009	Ea.	1	75,900.00
Atlas Copco Compressor & Breaker w/Trailer	2010	Ea.	1	13,750.00
Wacker RD12A-90 Ride On Roller	2010	Ea.	1	14,200.00
John Deere 544K 4WD Loader	2012	Ea.	1	99,654.42
John Deere 130GL Excavator	2013	Ea.	1	157,521.76
Wacker RD12A-90 Ride On Roller	2016	Ea.	1	15,995.00
Honda Pioneer SXS700M2G ATV	2016	Ea.	1	14,863.50
 Total Account 395				\$665,081.72

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# Section 3



**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

**Account 271 - Contributions in Aid of Construction**

Original Cost at December 29, 2016

Acct. No.	Account Title	Original Cost
354.4	Structures & Improvements - Treatment & Disposal Plant	\$2,500,000.00
361	Collection Sewers - Gravity	8,113,082.47
363	Services to Customers	841,466.15
	Total Contributions in Aid of Construction	<u>\$11,454,548.62</u> =====

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

***Contributions In Aid of Construction***

Original Cost at December 29, 2016

Account 354.4 - Structures & Improvements - Treatment & Disposal Plant

<u>Item</u>	<u>Year Installed</u>	<u>----- Quantity ----- Unit No.</u>	<u>Original Cost</u>
H2O Pa Grant	2013		\$2,500,000.00
Total Account 354.4			----- \$2,500,000.00 =====

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

**Contributions in Aid of Construction**

Original Cost at December 29, 2016

Account 361 - Collection Sewers - Gravity

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
6" Mains	1975	LF	1,350	\$31,914.00
6" Mains	1980	LF	1,067	34,901.57
6" Mains	1988	LF	1,752	79,435.68
6" Mains	1992	LF	356	17,928.16
8" Mains	1980	LF	9,895	323,665.45
8" Mains	1985	LF	9,896	407,022.48
8" Mains	1987	LF	5,608	238,844.72
8" Mains	1988	LF	675	30,604.50
8" Mains	1989	LF	1,278	61,050.06
8" Mains	1990	LF	11,566	563,726.84
8" Mains	1991	LF	364	18,094.44
8" Mains	1992	LF	31,591	1,590,922.76
8" Mains	1999	LF	8,489	496,182.05
8" Mains	2011	LF	2,838	297,791.34
8" Mains	2014	LF	1,742	206,200.54
10" Mains	1980	LF	2,541	164,224.83
10" Mains	1985	LF	2,542	206,588.34
10" Mains	1989	LF	408	38,507.04
12" Mains	1985	LF	4,719	383,513.13
18" Mains	1975	LF	2,510	152,382.10
20" Mains	1975	LF	2,382	250,276.74
20" Mains	2000	LF	1,097	297,627.07
24" Mains	1975	LF	3,695	388,233.65
30" Mains	1975	LF	1,815	164,003.40
Subtotal Gravity Mains				\$6,443,640.89
Manholes	1980	Ea.	64	\$105,952.00
Manholes	1985	Ea.	82	170,696.94
Manholes	1987	Ea.	22	47,419.46
Manholes	1988	Ea.	14	32,126.50
Manholes	1989	Ea.	7	16,923.76

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

**Contributions in Aid of Construction**

Original Cost at December 29, 2016  
Account 361 - Collection Sewers - Gravity

Item	Year Installed	----- Quantity ----- Unit	No.	Original Cost
Manholes	1990	Ea.	46	113,475.56
Manholes	1991	Ea.	2	5,032.06
Manholes	1992	Ea.	104	265,076.24
Manholes	1999	Ea.	41	121,302.19
Manholes	2011	Ea.	10	53,107.10
Manholes	2014	Ea.	10	59,909.40
Total Manholes				----- \$991,021.21
Catch Basins	1975	Ea.	117	\$139,996.35
Catch Basins	1980	Ea.	23	38,076.50
Catch Basins	1985	Ea.	29	60,368.43
Catch Basins	1987	Ea.	9	19,398.87
Catch Basins	1988	Ea.	4	9,179.00
Catch Basins	1989	Ea.	3	7,253.04
Catch Basins	1990	Ea.	19	46,870.34
Catch Basins	1991	Ea.	1	2,516.03
Catch Basins	1992	Ea.	54	137,635.74
Catch Basins	1999	Ea.	14	41,420.26
Catch Basins	2000	Ea.	2	6,179.44
Catch Basins	2011	Ea.	5	26,553.55
Catch Basins	2014	Ea.	3	17,972.82
Total Catch Basins			283	----- \$553,420.37
Biofiltration Systems	2013	Ea.	11	\$125,000.00
Total Account 361				----- \$8,113,082.47 =====

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

**Contributions in Aid of Construction**

Original Cost at December 29, 2016

Account 363 - Services to Customers

Item	Year Installed	----- Quantity ----- Unit	----- No.	Original Cost
Services to Customers	1980	LF	246	\$74,724.96
Services to Customers	1985	LF	313	120,069.93
Services to Customers	1987	LF	102	40,721.46
Services to Customers	1988	LF	44	18,711.88
Services to Customers	1989	LF	31	13,882.73
Services to Customers	1990	LF	211	95,958.58
Services to Customers	1991	LF	7	3,304.91
Services to Customers	1992	LF	583	286,387.09
Services to Customers	1999	LF	155	89,861.25
Services to Customers	2000	LF	20	12,081.20
Services to Customers	2011	LF	52	51,990.64
Services to Customers	2014	LF	32	33,771.52
Total Account 363				\$841,466.15

# Section 4

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Summary of Original Cost, Calculated Depreciation Reserve  
and Depreciated Original Cost as of December 29, 2016  
Based Upon Straight Line Depreciation

Acct. No.	Description	Year Installed	Original Cost at 12/29/16	Service Life	Calculated Depreciation Reserve 12/29/16	Depreciated Original Cost at 12/29/16
<b>Non-Depreciable Plant:</b>						
353.2	Land & Land Rights - Collection System	Various	\$80,662.60		\$0.00	\$80,662.60
353.3	Land & Land Rights - Pumping System	Various	43,570.00		0.00	43,570.00
353.4	Land & Land Rights - Treatment & Disposal System	Various	110,019.50		0.00	110,019.50
Total Non-Depreciable Plant			\$234,252.10		\$0.00	\$234,252.10
<b>Depreciable Plant:</b>						
354.3	Structures & Improvements - Pumping	1972	\$575,666.97	40	\$575,666.97	\$0.00
354.3	Structures & Improvements - Pumping	2006	3,300,035.38	40	866,259.29	2,433,776.09
354.3	Structures & Improvements - Pumping	2015	31,735.00	40	1,190.06	30,544.94
Total Account 354.3			\$3,907,437.35		\$1,443,116.32	\$2,464,321.03
354.4	Structures & Improvements - Treatment & Disposal	1972	\$12,952,506.78	65	\$8,867,485.41	\$4,085,021.37
354.4	Structures & Improvements - Treatment & Disposal	1985	1,267,451.78	65	614,226.63	653,225.15
354.4	Structures & Improvements - Treatment & Disposal	2003	2,501,831.45	65	519,611.15	1,982,220.30
354.4	Structures & Improvements - Treatment & Disposal	2004	240,403.35	65	46,231.41	194,171.94
354.4	Structures & Improvements - Treatment & Disposal	2009	7,215.00	65	832.50	6,382.50
354.4	Structures & Improvements - Treatment & Disposal	2010	8,406,838.33	65	840,683.83	7,566,154.50
354.4	Structures & Improvements - Treatment & Disposal	2011	9,525.00	65	805.96	8,719.04
354.4	Structures & Improvements - Treatment & Disposal	2012	23,690.00	65	1,640.08	22,049.92
354.4	Structures & Improvements - Treatment & Disposal	2013	8,325.00	65	448.27	7,876.73
354.4	Structures & Improvements - Treatment & Disposal	2014	188,545.95	65	7,251.77	181,294.18
354.4	Structures & Improvements - Treatment & Disposal	2015	5,556,898.70	65	128,236.12	5,428,662.58
354.4	Structures & Improvements - Treatment & Disposal	2016	19,818,007.39	65	152,446.21	19,665,561.18
Total Account 354.4			\$50,981,238.73		\$11,179,899.34	\$39,801,339.39
360	Collection Sewers - Force	1972	\$234,615.90	70	\$149,148.68	\$85,467.22
360	Collection Sewers - Force	1989	4,590.34	70	1,803.35	2,786.99
Total Account 360			\$239,206.24		\$150,952.03	\$88,254.21
361	Mains - Gravity	1918	\$3,720,731.28	70	\$3,720,731.28	\$0.00
361	Mains - Gravity	1938	1,153,152.41	70	1,153,152.41	0.00
361	Mains - Gravity	1945	271,759.88	70	271,759.88	0.00
361	Mains - Gravity	1950	1,108,002.03	70	1,052,601.93	55,400.10
361	Mains - Gravity	1955	553,931.92	70	486,668.76	67,263.16
361	Mains - Gravity	1960	1,066,508.50	70	860,824.72	205,683.78
361	Mains - Gravity	1965	773,415.03	70	569,012.49	204,402.54
361	Mains - Gravity	1970	899,730.31	70	597,677.99	302,052.32
361	Mains - Gravity	1972	16,495,171.40	70	10,486,216.10	6,008,955.30
361	Mains - Gravity	1973	1,168,506.45	70	726,143.29	442,363.16
361	Mains - Gravity	1974	609,018.00	70	369,760.93	239,257.07
361	Mains - Gravity	1975	2,590,140.75	70	1,535,583.44	1,054,557.31
361	Mains - Gravity	1977	454,042.66	70	256,209.79	197,832.87
361	Mains - Gravity	1978	1,204,725.84	70	662,599.21	542,126.63
361	Mains - Gravity	1979	1,253,071.14	70	671,288.11	581,783.03
361	Mains - Gravity	1980	1,457,013.74	70	759,728.59	697,285.15
361	Mains - Gravity	1981	976,953.26	70	495,454.87	481,498.39
361	Mains - Gravity	1982	743,812.60	70	366,593.35	377,219.25
361	Mains - Gravity	1983	536,942.66	70	256,965.42	279,977.24
361	Mains - Gravity	1984	611,408.49	70	283,868.23	327,540.26
361	Mains - Gravity	1985	2,017,578.05	70	907,910.12	1,109,667.93

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Summary of Original Cost, Calculated Depreciation Reserve  
and Depreciated Original Cost as of December 29, 2016  
Based Upon Straight Line Depreciation

Acct. No.	Description	Year Installed	Original Cost at 12/29/16	Service Life	Calculated Depreciation Reserve 12/29/16	Depreciated Original Cost at 12/29/16
361	Mains - Gravity	1986	1,112,251.83	70	484,624.01	627,627.82
361	Mains - Gravity	1987	946,423.49	70	398,849.90	547,573.59
361	Mains - Gravity	1988	374,841.19	70	152,613.91	222,227.28
361	Mains - Gravity	1989	3,385,384.69	70	1,329,972.56	2,055,412.13
361	Mains - Gravity	1990	3,907,575.19	70	1,479,296.32	2,428,278.87
361	Mains - Gravity	1991	1,595,880.81	70	581,356.58	1,014,524.23
361	Mains - Gravity	1992	2,574,679.36	70	901,137.78	1,673,541.58
361	Mains - Gravity	1993	469,066.79	70	157,472.42	311,594.37
361	Mains - Gravity	1994	240,487.25	70	77,299.47	163,187.78
361	Mains - Gravity	1995	63,543.34	70	19,516.88	44,026.46
361	Mains - Gravity	1996	252,789.46	70	74,031.20	178,758.26
361	Mains - Gravity	1997	322,029.44	70	89,708.20	232,321.24
361	Mains - Gravity	1998	2,100,662.06	70	555,174.97	1,545,487.09
361	Mains - Gravity	1999	935,698.54	70	233,924.64	701,773.90
361	Mains - Gravity	2000	303,806.51	70	71,611.53	232,194.98
361	Mains - Gravity	2002	114,591.98	70	23,736.91	90,855.07
361	Mains - Gravity	2003	6,750.00	70	1,301.79	5,448.21
361	Mains - Gravity	2004	2,086,438.61	70	372,578.32	1,713,860.29
361	Mains - Gravity	2005	1,973,894.42	70	324,282.65	1,649,611.77
361	Mains - Gravity	2006	1,621,012.72	70	243,151.91	1,377,860.81
361	Mains - Gravity	2007	892,892.35	70	121,178.25	771,714.10
361	Mains - Gravity	2008	266,777.32	70	32,394.39	234,382.93
361	Mains - Gravity	2010	300,503.25	70	27,903.87	272,599.38
361	Mains - Gravity	2011	835,833.02	70	65,672.59	770,160.43
361	Mains - Gravity	2012	306,212.94	70	19,685.12	286,527.82
361	Mains - Gravity	2013	357,225.38	70	17,861.27	339,364.11
361	Mains - Gravity	2014	397,514.47	70	14,196.95	383,317.52
361	Mains - Gravity	2015	16,178.80	70	346.69	15,832.11
361	Mains - Gravity	2016	9,683,705.85	70	69,169.33	9,614,536.52
	Total Account 361		\$77,110,267.46		\$34,430,801.32	\$42,679,466.14
363	Services to Customers	1918	\$27,515.60	55	\$27,515.60	\$0.00
363	Services to Customers	1938	144,755.10	55	144,755.10	0.00
363	Services to Customers	1945	22,988.29	55	22,988.29	0.00
363	Services to Customers	1950	56,278.80	55	56,278.80	0.00
363	Services to Customers	1955	48,679.71	55	48,679.71	0.00
363	Services to Customers	1960	76,154.48	55	76,154.48	0.00
363	Services to Customers	1965	78,429.72	55	73,438.74	4,990.98
363	Services to Customers	1970	106,824.27	55	90,315.06	16,509.21
363	Services to Customers	1972	579,573.92	55	468,927.99	110,645.93
363	Services to Customers	1973	116,887.81	55	92,447.63	24,440.18
363	Services to Customers	1974	139,735.00	55	107,977.05	31,757.95
363	Services to Customers	1975	332,974.60	55	251,244.47	81,730.13
363	Services to Customers	1977	107,076.26	55	76,900.22	30,176.04
363	Services to Customers	1978	281,896.00	55	197,327.20	84,568.80
363	Services to Customers	1979	300,946.68	55	205,190.92	95,755.76
363	Services to Customers	1980	266,091.96	55	176,588.30	89,503.66
363	Services to Customers	1981	234,753.75	55	151,522.88	83,230.87
363	Services to Customers	1982	190,062.15	55	119,220.80	70,841.35
363	Services to Customers	1983	132,799.92	55	80,887.22	51,912.70
363	Services to Customers	1984	157,785.94	55	93,237.15	64,548.79
363	Services to Customers	1985	324,685.98	55	185,956.52	138,729.46
363	Services to Customers	1986	295,474.98	55	163,854.31	131,620.67
363	Services to Customers	1987	205,043.94	55	109,978.11	95,065.83



**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Summary of Original Cost, Calculated Depreciation Reserve  
and Depreciated Original Cost as of December 29, 2016  
Based Upon Straight Line Depreciation

Acct. No.	Description	Year Installed	Original Cost at 12/29/16	Service Life	Calculated Depreciation Reserve 12/29/16	Depreciated Original Cost at 12/29/16
363	Services to Customers	1988	70,509.94	55	36,536.97	33,972.97
363	Services to Customers	1989	746,798.97	55	373,399.49	373,399.48
363	Services to Customers	1990	832,608.91	55	401,166.11	431,442.80
363	Services to Customers	1991	393,283.11	55	182,340.35	210,942.76
363	Services to Customers	1992	531,951.61	55	236,960.26	294,991.35
363	Services to Customers	1994	66,342.64	55	27,140.17	39,202.47
363	Services to Customers	1995	17,159.15	55	6,707.67	10,451.48
363	Services to Customers	1996	69,426.23	55	25,877.05	43,549.18
363	Services to Customers	1997	87,126.12	55	30,890.17	56,235.95
363	Services to Customers	1998	573,379.95	55	192,864.17	380,515.78
363	Services to Customers	1999	165,344.70	55	52,609.68	112,735.02
363	Services to Customers	2000	12,081.20	55	3,624.36	8,456.84
363	Services to Customers	2004	187,388.21	55	42,588.23	144,799.98
363	Services to Customers	2005	502,155.36	55	104,996.12	397,159.24
363	Services to Customers	2006	406,003.36	55	77,509.73	328,493.63
363	Services to Customers	2007	228,819.60	55	39,523.39	189,296.21
363	Services to Customers	2008	64,952.16	55	10,038.06	54,914.10
363	Services to Customers	2009	79,573.30	55	10,850.90	68,722.40
363	Services to Customers	2011	170,969.39	55	17,096.94	153,872.45
363	Services to Customers	2012	79,926.00	55	6,539.40	73,386.60
363	Services to Customers	2013	16,092.23	55	1,024.05	15,068.18
363	Services to Customers	2014	63,321.52	55	2,878.25	60,443.27
Total Account 363			\$9,592,628.52		\$4,904,548.07	\$4,688,080.45
364	Flow Measuring Devices	2009	\$19,181.61	20	\$7,193.10	\$11,988.51
364	Flow Measuring Devices	2010	104,719.11	20	34,033.71	70,685.40
364	Flow Measuring Devices	2011	9,728.50	20	2,675.34	7,053.16
364	Flow Measuring Devices	2012	12,254.13	20	2,757.18	9,496.95
364	Flow Measuring Devices	2013	5,882.00	20	1,029.35	4,852.65
364	Flow Measuring Devices	2014	3,236.17	20	404.52	2,831.65
364	Flow Measuring Devices	2016	246,002.36	20	6,150.06	239,852.30
Total Account 364			\$401,003.88		\$54,243.26	\$346,760.62
371	Pumping Equipment	1997	\$74,241.00	25	\$57,907.98	\$16,333.02
371	Pumping Equipment	1998	126,283.62	25	93,449.88	32,833.74
371	Pumping Equipment	2006	346,984.97	25	145,733.69	201,251.28
371	Pumping Equipment	2008	62,260.00	25	21,168.40	41,091.60
371	Pumping Equipment	2009	44,215.81	25	13,264.74	30,951.07
371	Pumping Equipment	2010	786,048.51	25	204,372.61	581,675.90
371	Pumping Equipment	2012	53,890.00	25	9,700.20	44,189.80
371	Pumping Equipment	2013	27,499.94	25	3,849.99	23,649.95
371	Pumping Equipment	2014	21,950.00	25	2,195.00	19,755.00
371	Pumping Equipment	2015	53,680.00	25	3,220.80	50,459.20
371	Pumping Equipment	2016	972,808.85	25	19,456.18	953,352.67
Total Account 371			\$2,569,862.70		\$574,319.47	\$1,995,543.23
380	Treatment & Disposal Equipment	1984	\$1,055,180.71	40	\$857,334.33	\$197,846.38
380	Treatment & Disposal Equipment	1986	64,089.04	40	48,867.89	15,221.15
380	Treatment & Disposal Equipment	1987	1,660,003.55	40	1,224,252.62	435,750.93
380	Treatment & Disposal Equipment	1988	919,728.60	40	655,306.63	264,421.97

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Summary of Original Cost, Calculated Depreciation Reserve  
and Depreciated Original Cost as of December 29, 2016  
Based Upon Straight Line Depreciation

Acct. No.	Description	Year Installed	Original Cost at 12/29/16	Service Life	Calculated Depreciation Reserve 12/29/16	Depreciated Original Cost at 12/29/16
380	Treatment & Disposal Equipment	1994	240,349.45	40	135,196.57	105,152.88
380	Treatment & Disposal Equipment	1995	210,054.10	40	112,904.08	97,150.02
380	Treatment & Disposal Equipment	1996	165,925.39	40	85,036.76	80,888.63
380	Treatment & Disposal Equipment	1997	42,322.23	40	20,632.09	21,690.14
380	Treatment & Disposal Equipment	1998	47,878.66	40	22,143.88	25,734.78
380	Treatment & Disposal Equipment	2003	24,295.90	40	8,199.87	16,096.03
380	Treatment & Disposal Equipment	2004	5,234,903.35	40	1,635,907.30	3,598,996.05
380	Treatment & Disposal Equipment	2006	11,772.93	40	3,090.39	8,682.54
380	Treatment & Disposal Equipment	2009	260,012.20	40	48,752.29	211,259.91
380	Treatment & Disposal Equipment	2010	248,635.18	40	40,403.22	208,231.96
380	Treatment & Disposal Equipment	2011	17,809.00	40	2,448.74	15,360.26
380	Treatment & Disposal Equipment	2012	48,330.00	40	5,437.13	42,892.87
380	Treatment & Disposal Equipment	2014	73,530.88	40	4,595.68	68,935.20
380	Treatment & Disposal Equipment	2016	4,293,887.12	40	53,673.59	4,240,213.53
Total Account 380			\$14,618,708.29		\$4,964,183.06	\$9,654,525.23
389.6	Other Plant & Miscellaneous Equipment	2013	\$4,142,753.27	25	\$579,985.46	\$3,562,767.81
390	Office Furniture & Equipment	1997	\$10,096.70	20	\$9,844.28	\$252.42
390	Office Furniture & Equipment	2007	34,229.60	20	16,259.06	17,970.54
390	Office Furniture & Equipment	2008	54,626.00	20	23,216.05	31,409.95
390	Office Furniture & Equipment	2009	13,014.19	20	4,880.32	8,133.87
390	Office Furniture & Equipment	2010	74,451.51	20	24,196.74	50,254.77
390	Office Furniture & Equipment	2011	31,757.95	20	8,733.44	23,024.51
390	Office Furniture & Equipment	2012	81,649.54	20	18,371.15	63,278.39
390	Office Furniture & Equipment	2013	22,813.81	20	3,992.42	18,821.39
390	Office Furniture & Equipment	2014	65,694.99	20	8,211.87	57,483.12
390	Office Furniture & Equipment	2015	14,460.77	20	1,084.56	13,376.21
390	Office Furniture & Equipment	2016	714,543.15	20	17,863.58	696,679.57
Total Account 390			\$1,117,338.21		\$136,653.47	\$980,684.74
391	Transportation Equipment	2001	\$7,500.00	10	\$7,500.00	\$0.00
391	Transportation Equipment	2002	95,000.00	10	95,000.00	0.00
391	Transportation Equipment	2004	75,000.00	10	75,000.00	0.00
391	Transportation Equipment	2005	21,215.00	10	21,215.00	0.00
391	Transportation Equipment	2006	274,132.58	10	274,132.58	0.00
391	Transportation Equipment	2007	46,030.00	10	43,728.50	2,301.50
391	Transportation Equipment	2008	225,283.34	10	191,490.84	33,792.50
391	Transportation Equipment	2009	648,949.00	10	486,711.75	162,237.25
391	Transportation Equipment	2010	245,374.89	10	159,493.68	85,881.21
391	Transportation Equipment	2011	69,519.00	10	38,235.45	31,283.55
391	Transportation Equipment	2012	283,568.72	10	127,605.92	155,962.80
391	Transportation Equipment	2013	569,531.08	10	199,335.88	370,195.20
391	Transportation Equipment	2014	74,011.10	10	18,502.78	55,508.32
391	Transportation Equipment	2015	628,453.46	10	94,268.02	534,185.44
391	Transportation Equipment	2016	130,529.00	10	6,526.45	124,002.55
Total Account 391			\$3,394,097.17		\$1,838,746.85	\$1,555,350.32
393	Tools, Shop & Garage Equipment	2006	\$44,148.67	20	\$23,178.05	\$20,970.62
393	Tools, Shop & Garage Equipment	2007	88,820.75	20	42,189.86	46,630.89
393	Tools, Shop & Garage Equipment	2008	32,994.25	20	14,022.56	18,971.69

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Summary of Original Cost, Calculated Depreciation Reserve  
and Depreciated Original Cost as of December 29, 2016  
Based Upon Straight Line Depreciation

Acct. No.	Description	Year Installed	Original Cost at 12/29/16	Service Life	Calculated Depreciation Reserve 12/29/16	Depreciated Original Cost at 12/29/16
393	Tools, Shop & Garage Equipment	2009	57,515.11	20	21,568.17	35,946.94
393	Tools, Shop & Garage Equipment	2010	42,200.18	20	13,715.06	28,485.12
393	Tools, Shop & Garage Equipment	2011	29,347.68	20	8,070.61	21,277.07
393	Tools, Shop & Garage Equipment	2012	55,529.53	20	12,494.14	43,035.39
393	Tools, Shop & Garage Equipment	2013	116,235.29	20	20,341.18	95,894.11
393	Tools, Shop & Garage Equipment	2014	13,575.00	20	1,696.88	11,878.12
393	Tools, Shop & Garage Equipment	2015	6,574.00	20	493.05	6,080.95
393	Tools, Shop & Garage Equipment	2016	27,741.12	20	693.53	27,047.59
Total Account 393			\$514,681.58		\$158,463.09	\$356,218.49
394	Laboratory Equipment	2006	\$4,744.41	15	\$3,321.09	\$1,423.32
394	Laboratory Equipment	2007	3,524.28	15	2,232.04	1,292.24
394	Laboratory Equipment	2008	44,629.31	15	25,289.94	19,339.37
394	Laboratory Equipment	2010	9,256.54	15	4,011.17	5,245.37
394	Laboratory Equipment	2011	7,356.65	15	2,697.44	4,659.21
394	Laboratory Equipment	2012	12,243.36	15	3,673.01	8,570.35
394	Laboratory Equipment	2013	10,187.71	15	2,377.13	7,810.58
394	Laboratory Equipment	2014	16,860.02	15	2,810.00	14,050.02
Total Account 394			\$108,802.28		\$46,411.82	\$62,390.46
395	Power Operated Equipment	2006	\$99,992.04	10	\$99,992.04	\$0.00
395	Power Operated Equipment	2007	19,935.00	10	18,938.25	996.75
395	Power Operated Equipment	2008	48,270.00	10	41,029.50	7,240.50
395	Power Operated Equipment	2009	180,900.00	10	135,675.00	45,225.00
395	Power Operated Equipment	2010	27,950.00	10	18,167.50	9,782.50
395	Power Operated Equipment	2012	99,654.42	10	44,844.49	54,809.93
395	Power Operated Equipment	2013	157,521.76	10	55,132.62	102,389.14
395	Power Operated Equipment	2016	30,858.50	10	1,542.93	29,315.57
Total Account 395			\$665,081.72		\$415,322.33	\$249,759.39
Total Depreciable Plant			\$169,363,107.40		\$60,877,645.89	\$108,485,461.51
Total Plant in Service			\$169,597,359.50		\$60,877,645.89	\$108,719,713.61
<u>Deduct: Account 271 - Contributions in Aid of Construction:</u>						
354.4	Structures & Improvements - Treatment & Disposal	2010	(\$2,500,000.00)	65	(\$250,000.00)	(\$2,250,000.00)
361	Mains - Gravity	1975	(\$1,126,806.24)	70	(\$668,035.13)	(\$458,771.11)
361	Mains - Gravity	1980	(666,820.35)	70	(347,699.18)	(319,121.17)
361	Mains - Gravity	1985	(1,228,189.32)	70	(552,685.19)	(675,504.13)
361	Mains - Gravity	1987	(305,663.05)	70	(128,815.14)	(176,847.91)
361	Mains - Gravity	1988	(151,345.68)	70	(61,619.31)	(89,726.37)
361	Mains - Gravity	1989	(123,733.90)	70	(48,609.75)	(75,124.15)
361	Mains - Gravity	1990	(724,072.74)	70	(274,113.25)	(449,959.49)
361	Mains - Gravity	1991	(25,642.53)	70	(9,341.21)	(16,301.32)
361	Mains - Gravity	1992	(2,011,562.90)	70	(704,047.02)	(1,307,515.88)
361	Mains - Gravity	1999	(658,904.50)	70	(164,726.13)	(494,178.37)
361	Mains - Gravity	2000	(303,806.51)	70	(71,611.53)	(232,194.98)
361	Mains - Gravity	2011	(377,451.99)	70	(29,656.94)	(347,795.05)
361	Mains - Gravity	2013	(125,000.00)	70	(6,250.00)	(118,750.00)
361	Mains - Gravity	2014	(284,082.76)	70	(10,145.81)	(273,936.95)

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Summary of Original Cost, Calculated Depreciation Reserve  
and Depreciated Original Cost as of December 29, 2016  
Based Upon Straight Line Depreciation

Acct. No.	Description	Year Installed	Original Cost at 12/29/16	Service Life	Calculated Depreciation Reserve 12/29/16	Depreciated Original Cost at 12/29/16
	Total Account 361		(\$8,113,082.47)		(\$3,077,355.59)	(\$5,035,726.88)
363	Services to Customers	1980	(\$74,724.96)	55	(\$49,590.20)	(\$25,134.76)
363	Services to Customers	1985	(120,069.93)	55	(68,767.32)	(51,302.61)
363	Services to Customers	1987	(40,721.46)	55	(21,841.51)	(18,879.95)
363	Services to Customers	1988	(18,711.88)	55	(9,696.16)	(9,015.72)
363	Services to Customers	1989	(13,882.73)	55	(6,941.37)	(6,941.36)
363	Services to Customers	1990	(95,958.58)	55	(46,234.59)	(49,723.99)
363	Services to Customers	1991	(3,304.91)	55	(1,532.28)	(1,772.63)
363	Services to Customers	1992	(286,387.09)	55	(127,572.43)	(158,814.66)
363	Services to Customers	1999	(89,861.25)	55	(28,592.22)	(61,269.03)
363	Services to Customers	2000	(12,081.20)	55	(3,624.36)	(8,456.84)
363	Services to Customers	2011	(51,990.64)	55	(5,199.06)	(46,791.58)
363	Services to Customers	2014	(33,771.52)	55	(1,535.07)	(32,236.45)
	Total Account 363		(\$841,466.15)		(\$371,126.57)	(\$470,339.58)
	Total Contributions in Aid of Construction		(\$11,454,548.62)		(\$3,698,482.16)	(\$7,756,066.46)
	Total Plant in Service (Net)		\$158,142,810.88		\$57,179,163.73	\$100,963,647.15

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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

# Section 5

**Pennsylvania-American Water Company, Inc.**

*Acquisition of the Assets of the Scranton Sewer Authority*

Original Cost at December 29, 2016  
Account 105 - Construction Work in Progress

<u>Description</u>	<u>Costs Incurred To Date</u>
LTCP - Year 3 Project Management & Other	\$371,547.89
LTCP - Phase A Project Management	592,912.33
LTCP - Phase A & B Project Management	1,097,387.48
Capitalized Interest	2,206,963.28
	-----
Subtotal	\$4,268,810.98
LTCP - CSO #003	16,825.91
LTCP - CSO #011	3,086,741.00
LTCP - CSOs #012, #033, #040 & #073	71,256.25
LTCP - CSO #017	206,727.07
LTCP - CSO #018	121,320.00
LTCP - CSO #021	56,172.20
LTCP - CSO #022	24,400.00
LTCP - CSO #024	151,707.57
LTCP - CSO #025	55,243.00
LTCP - CSO #030	136,750.00
LTCP - CSO #035	620,933.63
LTCP - CSOs #037 & #081	1,942,227.00
LTCP - CSO #038	167,167.71
LTCP - CSO #049	89,830.00
LTCP - CSO #052	638,270.95
LTCP - CSO #065	425,714.00
LTCP - CSO #066	688,337.85
LTCP - CSOs #067 & 080	2,107,725.00
LTCP - CSO #072	200,217.58
LTCP - CSO #078	336,963.75
LTCP - CSO #079	270,974.79
LTCP - CSO #083	893.60
LTCP - CSO #084	589,449.89
LTCP - CSO #087	339,715.50
LTCP - Underground Facilities Relocation	87,196.00
	-----
Total Account 105	\$16,701,571.23
	=====

**CERTIFICATE OF SERVICE**

**Docket No. A-2016-2537209**

I hereby certify that I have this day served a true copy of the foregoing document upon the participants listed below, in the manner indicated, in accordance with the requirements of 52 Pa. Code § 1.54. (relating to service by a party).

**VIA UPS OVERNIGHT DELIVERY:**

Christine Maloni Hoover  
Senior Assistant Consumer Advocate  
Office of Consumer Advocate  
555 Walnut Street  
Forum Place, 5th Floor  
Harrisburg, PA 17101-1923

John R. Evans  
Small Business Advocate  
Office of Small Business Advocate  
Suite 202, Commerce Building  
300 North Second Street  
Harrisburg, PA 17101

Bureau of Audits  
Pennsylvania Public Utility Commission  
Attn: Mr. Dennis P. Hosler  
Director  
Commonwealth Keystone Building  
400 North Street  
P.O. Box 3265  
Harrisburg, PA 17105-3265

Bureau of Technical Utility Services  
Pennsylvania Public Utility Commission  
Attn: Mr. Paul Diskin  
Director  
Commonwealth Keystone Building  
400 North Street  
P.O. Box 3265  
Harrisburg, PA 17105-3265

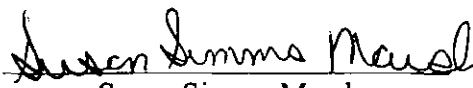
Bureau of Investigation and Enforcement  
Pennsylvania Public Utility Commission  
Attn: Mr. Richard Kanaskie  
Director & Chief Prosecutor  
Commonwealth Keystone Building  
400 North Street  
P.O. Box 3265  
Harrisburg, PA 17105-3265

RECEIVED

FEB 3 2017

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

Date: February 3, 2017

  
Susan Simms Marsh  
Pa. Attorney I.D. 44689

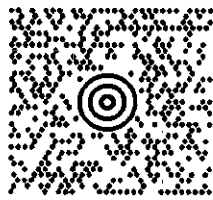
EMILY T. HICKS  
717/531-3211  
PAWC  
800 WEST HERSHEY PARK DRIVE  
HERSHEY PA 17033

1 LBS

1 OF 1

**SHIP TO:**

ROSEMARY CHIAVETTA, SECRETARY  
717/772-7777  
PA PUBLIC UTILITY COMMISSION  
400 NORTH STREET  
COMMONWEALTH KEYSTONE BUILDING  
HARRISBURG PA 17120-0200



**PA 171 9-20**



**UPS NEXT DAY AIR**

TRACKING #: 1Z 172 3E2 01 9422 6604

**1**



BILLING: P/P



**CMPC**

**To: CHIAVETA, R. PUC**

Agency PUC

Floor:

External Carrier: UPS 1 DAY AIR

2/6/2017 10:10:41 AM



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