EXHIBIT D

THE MUNICIPAL AUTHORITY OF THE BOROUGH OF GREENVILLE

GREENVILLE BOROUGH, PENNSYLVANIA

ENGINEERING ASSESSMENT – REV. 1

Prepared by: Eric Moore, PE, Macy E. Divens, PE, and Alyssa Kenthack

ENTECH ENGINEERING
www.entecheng.com

Entech Engineering, Inc.
201 Penn Street | PO Box 32 | Reading, PA 19603-0032
(p) 610.373.6667 (f) 610.373.7537

Project No.: 5511.112

Report Dated: April 26, 2024

THE MUNICIPAL AUTHORITY OF THE BOROUGH OF GREENVILLE

GREENVILLE BOROUGH, PENNSYLVANIA

ENGINEERING ASSESSMENT – REV. 1

Prepared by: Eric Moore, PE, Macy E. Divens, PE, and Alyssa Kenthack

ENTECH ENGINEERING
www.entecheng.com

Entech Engineering, Inc.
201 Penn Street | PO Box 32 | Reading, PA 19603-0032
(p) 610.373.6667 (f) 610.373.7537

Project No.: 5511.112

Report Dated: April 26, 2024

The Municipal Authority of the Borough of Greenville
Engineering Assessment

Table of Contents

Tables

Attachments:

Exhibits:

1.0 Introduction

The Municipal Authority of the Borough of Greenville (Authority) owns, operates, and maintains the water system treatment plant, distribution piping, booster pump station, and storage tanks in Greenville Borough, part of Hempfield Township, part of West Salem Township, and part of Sugar Grove Township in Mercer County, Pennsylvania.

Act 12 of 2016 amended Title 66 of the Pennsylvania Consolidated Statutes added §1329 for valuation of acquired water and wastewater systems. Section 1329(a)(4) of the Act requires, "The acquiring public utility or entity and selling utility shall engage the services of the same licensed engineer to conduct an assessment of the tangible assets of the selling utility." Accordingly, this Engineering Assessment was prepared by Entech Engineering, Inc. (Entech) for the purchase of the Authority system by Aqua Pennsylvania, Inc. (Aqua). This Engineering Assessment will be utilized by the Utility Valuation Experts (UVEs) retained by the Authority and Aqua to perform the system valuation required for the sale of the system.

Entech has been the Authority's retained engineer. Entech has knowledge of the system and the improvements completed by the system throughout the working relationship.

2.0 Methodology

This Engineering Assessment was developed to assess the tangible assets of the Authority. Sources of information included historical engineering records, system maps, drawings, Geographic Information System (GIS) data, input from the Authority, contract documents, annual reports, system walkthroughs, and other sources. The information from these sources was used to develop an inventory of the existing drinking water system assets and property for future use. An estimate of years of construction or acquisition and original construction costs have also been included. A complete list of assets and original construction costs, based on the information available for the system, is contained in Attachment 1. It includes property owned by the Authority, easements, a filter plant, a booster station, storage tanks, vehicles, and noted equipment. Five properties will be held for future use after the sale. These properties have been identified in Attachment 1. Distribution system information has been inventoried from GIS. Any pipe that has been replaced is not included in the current data set. Upgrades to the treatment plant have been accounted for in one of two ways. If the upgrade constitutes a replacement of an old piece of equipment, the cost of the upgrade has been deducted from the original cost of the plant. If the upgrade constitutes an addition or expansion beyond the original plant layout, the cost of the upgrade has not been deducted from the original cost of the plant.

The previously mentioned documents and sources were used to obtain the original cost of the assets in the system, if available. For the assets for which the original costs were unavailable, present-day costs were developed, and the costs were indexed back to original costs using historical construction cost indices published by the Engineering News-Record (ENR), included in Attachment 1.

3.0 System Description

The Authority drinking water system includes a filter water treatment plant, one booster station, five storage tanks or facilities, distribution mains, valves, hydrants, service lines, vehicles, and noted equipment. These items and their costs are described in the sections below. Detailed asset descriptions are included in Attachment 1. Systems maps begin with Exhibit 1 and end with Exhibit 3.

3.1 Property & Easements

The Authority owns the land on which the treatment plant, storage tanks, and the municipal office building are built. Easements for water line rights of way are listed in Attachment 1. The cost of each easement was assumed at $1.00 based on information available at the time of this report.

Local developers have placed bids on the Hadley Road Pump Station property. The sale will be completed after the decommissioning of the pump station but before the system's purchase. The sale of the property has yet to be finalized at the time of this report.

3.2 Water Treatment Plant

The Authority Water Treatment Plant (WTP) was initially built in the 1990s. The WTP's intake draws from the Shenango River with a permitted capacity of 2.016 MGD. The pumping capacity of the raw and finished water is 1,400 gallons per minute (GPM). Various chemicals are used on-site for pre-treatment, iron and manganese suspension, and disinfection.

In 1995, an upgrade was made to the WTP to treat backwash water from the clarifiers and filters. Treated water from the system is reintroduced to the Shenango River. Sludge cake from the belt filter press is hauled away for land application.

The plant was originally designed to operate as a Super Pulsator Plant, but it does not operate as designed. Early in the plant's operation, there were difficulties establishing and maintaining the sludge blanket necessary for the Super Pulsator to function properly. The plant instead operates as an up-flow clarifier system. The plant has met the necessary treatment requirements by operating in this way. It is also worth noting that as a result of the flow arrangement in the plant, the Combined Filter Effluent samples are taken as an average. The most recent Filter Plant Performance Evaluation (FPPE) suggests that, when possible, alterations be made to the system to gather a true Combined Filter Effluent sample.

3.3 Booster Stations

The Authority is constructing a new booster station with two pumps with a capacity of 500 GPM and 140 feet of total dynamic head (TDH). After installing the new station, the existing booster station will be taken offline and decommissioned. The booster station relocation project has been captured in the Booster Station portion of the specific accounts. The new pump station will be delivered in February 2024, with an anticipated start-up date in late spring or early summer 2024.

3.4 Distribution System

The system consists of pipes ranging in installation dates from the late 1880s to the new mains replaced in the 2022 project. The average percentage of non-revenue water over the past eight years is 26.4%. The system contains a variety of materials of pipe including C900 PVC, C909 PVC, ductile iron pipe, and cast-iron pipe mains. Service line materials include plastic, galvanized steel, lead, copper, and others. The system has 212 fire hydrants; 183 are public hydrants, and 29 are private.

3.5 Storage Tanks

There are five storage tanks associated with the Authority. Three are on one parcel on the west side of town, and two tanks are on the east.

3.6 Vehicles

The vehicles that The Authority owns have been valued using Kelly Blue Book prices, which utilized the VIN associated with the vehicle to give a current estimate. The dump truck values were found on Bumper.com, using the vehicle's VIN to search for the original MSRP. In the case of the 2018 truck, the original sale price was used.

4.0 Condition of System

This section summarizes the overall structural condition of the various components of the Authority's water system based on information provided by the Authority and other sources. The descriptive terms used are general in nature, good being average, fair being below average, etc. for the age of the system. These assessments below do not take into account any operational aspects of the treatment plant or other components.

4.1 Water Treatment Plant

The Water Treatment Plant is in overall fair condition. A breakdown of the assessment can be found in Attachment A. Entech conducted a plant walkthrough accompanied by a representative from the Authority to visually inspect the condition of the WTP and its component parts. The plant is clean, well-maintained, and in overall fair condition. The structural components of the plant appear to be in good condition. The equipment in the plant has been well-maintained. However, many pieces of equipment are beyond their typical lifespans and are therefore considered to be in fair condition. The main treatment systems are in fair condition, but some ancillary components show wear. The electrical system operates as expected but is beyond its typical lifespan. The HVAC system is exhibiting signs of aging and is in fair condition. The chemical dosing systems are less than three years old and well-maintained. The Polyaluminum Chloride (PAC) Tank was replaced in 2022 and is in excellent condition. The SCADA system is relatively new; computers will be replaced in 2025. Cameras are located around the property for security and monitoring purposes.

One noteworthy observation at the plant is the condition of the filter media. Although the filter media was replaced in 2022, fouling has occurred as a build-up of calcium deposits. The underdrain could not be observed during this walkthrough and is therefore considered to be in fair condition. Filter valves, piping, and compliance monitoring equipment for the plant are housed in a confined space and are therefore assumed to be in fair condition. Components not explicitly identified in this report were not observed at the time of the walkthrough but have been in place since the plant opened and are, therefore, considered to be in fair condition. It is also worth noting that the plant was designed and originally constructed to operate without backwash pumps. The pressure for the backwash is dependent on the head pressure available from the clearwell. Filter Plant Performance Evaluations recommend the addition of backwash pumps or a water tower to provide reliable pressure for backwashing filters.

A portion of the ground North of the plant just outside the clearwell is occasionally saturated. It is unclear at this time where the water comes from. Operators have not seen any signs of water loss from the plant during periods of time when the ground is saturated.

4.2 Distribution System

The distribution system is in good condition, with 84% of mains being in good or excellent condition, however some pipe from the original system remains in the distribution network. Two key factors were taken into consideration for this assessment: the presumed condition of mains in the distribution system and the metered ratio of water sold in the system. For the sake of this report, the condition of a distribution main was determined by its estimated age. The materials in the system were assumed to have an anticipated lifespan of 100 years. Mains that are 25 years old or newer are considered in excellent

condition. Mains that are between 26 and 75 years of age are considered in good condition. Mains that are between 76 and 100 years of age are considered in fair condition. Any mains over 100 years old are considered to be in poor condition. A summary of the condition of the distribution system is summarized in Table 1 below.

Table 1: Distribution System Summary

Age of Main	Condition Assessment	Approximate Linear Footage	Percent of System
25 Years or Less	Excellent	115,900	49.0%
26 – 75 Years	Good	82,000	34.7%
76 – 100 Years	Fair	19,800	8.4%
101 Years or More	Poor	18,700	7.9%

The Metered Ratio was taken as the volume of water measured by meters in the system divided by the volume of water measured by the Water Treatment Plant's effluent meter. It is a means of estimating the water loss in a system. See Table 2 for a breakdown of metered water usage in 2023.

Table 2: 2023 Metered Consumption (Thousand Gallons)

User Type	Residential	Commercial	Industrial	Public	Bulk	TOTAL
January	8,573	3,326	263	1,089	0	13,251
February	6,380	2,813	175	1,063	0	10,431
March	6,693	3,278	128	1,076	0	11,175
April	7,928	3,822	207	1,102	0	13,059
May	6,989	3,545	204	919	178	11,835
June	7,657	3,130	118	1,024	518	12,447
July	7,957	3,064	125	1,039	217	12,402
August	6,662	2,974	95	768	112	10,611
September	8,733	3,673	428	1,232	43	14,109
October	6,955	3,083	309	1,063	2	11,412
November	7,504	3,063	334	1,184	9	12,094
December	7,857	2,964	318	830	2	11,971
TOTAL	89,888	38,735	2,704	12,389	1,081	144,797

The average total monthly metered water consumption for 2023 was 12.1 MG. In 2023, the plant ran for a total of 5,602 hours, pulling 286 MG from the Shenango River and producing 212 MG of finished water for consumption. The total metered water in 2023 was 145 MG. The metered ratio in 2023 was 0.68. In 2023, non-revenue water totaled 46.1 MG, or 21.8 percent.

4.3 Booster Pump Station

At the time of this report, a new booster pump station is under construction. Prior to the sale of the system, the new booster pump station will be brought online, and the old booster pump station will be decommissioned. Therefore, for the sake of this report, the booster pump station is new and in excellent condition.

4.4 Storage Tanks

All storage tanks are considered to be in fair condition. The tanks are well-maintained and function as expected.

5.0 Conclusion

Water system assets include land and rights-of-way, WTP structures and improvements, booster station land, structures and improvements, equipment, vehicles, service lines, valves, curb stops, and storage facilities. With the information available at the time of this report, original costs total $26,980,448.16.

Attachment 1
Asset Inventory

Greenville Municipal Water Authority
Original Cost of Water System - REVISION 1
April 2024

Account No.	Description	Original Cost
103	Land Held for Future Use	$ 38,001.00
303	Land and Land Rights	$ 40.00
304	Structures and Improvements	$ 7,077,004.32
331	Transmission and Distribution Mains	$ 14,526,526.45
331-1	Transmission and Distribution Mains - Valves	$ 1,035,088.27
335	Hydrants	$ 603,842.72
311	Pumping Equipment	$ 749,500.00
330	Distribution Reservoirs and Standpipes	$ 1,358,537.16
333	Services	$ 1,321,627.52
341	Transportation Equipment	$ 174,634.00
310	Power Generation Equipment	$ 95,646.72
	TOTAL	**$ 26,980,448.16**

Greenville Municipal Water Authority, Mercer County, Pennsylvania
Original Cost of Water System
March 2024
Account No. 103 Property Held for Future Use

Account No.	Notes	Description	Year Acquired	Quantity	Units	Unit Price	Current ENR Construction Cost Index	Old ENR Construction Cost Index	Original Cost
103		**Property Held for Future Use**							
103	1,2	**Property for Future Use 43 S. Race Street (Tax Parcel ID No. 55 516 098)**	2019	1	Property	$ -	---	---	$ 35,000.00
103	1,2	**Property for Future Use 51. S. Race Street (Tax Parcel ID No. 55 516 099)**	2021	1	Property	$ -	---	---	$ 1,250.00
103	1,2	**Property for Future Use 1 State Street (55 516 100)**	2018	1	Property	$ -	---	---	$ 1,000.00
103	1,2	**Property for Future Use 22 S. Front Street (55 516 081)**	2013	1	Property	$ -	---	---	$ 750.00
103	1,2	**Property for Future Use 24 S. Front Street (55 516 082)**	2014	1	Property	$ -	---	---	$ 1.00
									$ -
						TOTAL Account No. 103 Property Held for Future Use			**$ 38,001.00**

Notes:

1. Year Acquired according to Mercer County GIS Records.

2. No current value estimated, original purchase price is provided

Greenville Municipal Water Authority, Mercer County, Pennsylvania
Original Cost of Water System
March 2024
Account No. 303 Land and Land Rights

Account No.	Notes	Description	Year Acquired	Quantity	Units	Unit Price	Current ENR Construction Cost Index	Old ENR Construction Cost Index	Original Cost
303		**Land and Land Rights**							
303	1	**Greenville Water Treatment Plant Property (Tax Parcel ID No. 19 0815 550 and 19 0815 551)**	2000	1	Property	$ -	---	---	$ -
303	1	**Greenville Municipal Water Authority Building (Tax Parcel ID No. 55 516 045)**	2000	1	Property	$ -	---	---	$ -
303	1,2,3	**Greenville East Tanks Property (Tax Parcel ID No. 09 044 141)**	2000	1	Property	$ -	---	---	$ -
303	1	**Greenville West Tanks Property (Tax Parcel ID No. 31 055 121)**	2000	1	Property	$ -	---	---	$ -
303	4	**Greenville Booster Pump Station Site**	2020	1	Easement	$ -	---	---	$ -
303	5,6	**Easement (Tax Parcel ID No. 55 519 005)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 044 102)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 044 116)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 044 002 002)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 043 150)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 043 151)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 044 102 001)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 044 141)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 044 141)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 043 155 006 011)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 044 141 001)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 043 124)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 056 303)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 056 235 001)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 55 516 088 001)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 496.A 010)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 55 511 072 001)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 55 516 081)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 55 516 022 001)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 55 516 023)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 55 516 088)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 55 516 023 001)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 55 518 108)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 31 055 121)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 31 055 123)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 31 055 124)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 31 055 125)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 31 055 122)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 043 123)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 043 135)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 55 525 039)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 55 525 040)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 55 525 046)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 55 525 047)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 056 053)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 056 054)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 55 529 075)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 55 529 072)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 55 506 002)**		1	Easement	$ 1.00	---	---	$ 1.00
303	5,6	**Easement (Tax Parcel ID No. 09 056 053 001)**		1	Easement	$ 1.00	---	---	$ 1.00
									$ -
						TOTAL Account No. 303 Land and Land Rights			**$ 40.00**

Notes:

1. Year Acquired according to Mercer County GIS Records.

2. Greenville Municipal Water Authority is investigating subdividision and sale of a portion of this property.

3. The Greenville East Tanks Property shall be subdivieded between Aqua and GMWA to allow Aqua to have access from Hadley Road and Methodist Road

4. Booster Pump Station construction incomplete at the time of this report.

5. Easements identified by overlaying main and valve GIS data on county tax parcel GIS. Each overlapping parcel has been identified as an easement. Additional records may be necessary to determine whether an easement agreement was establishec

6. Cost of easements assumed to be $1.00 each at the time of acquisition.

Greenville Municipal Water Authority, Mercer County, Pennsylvania
Original Cost of Water System
March 2024
Account No. 304 Structures and Improvements

Account No.	Notes	Description	Year Constructed	Condition Assessment	Quantity	Units	Unit Price	Current Evaluation	Current ENR Construction Cost Index	Old ENR Construction Cost Index	Original Cost
304		**Structures and Improvements**									
304		**Greenville Water Treatment Plant**		Fair							
	1,2	Original Construction	1990	Good	1	LS	$ -	---	---	---	$ 6,784,447.05
	3	Raw Water Holding Tank	1990	Fair	1		$ -	---	---	---	$ -
	3,4	Raw Water Pumps (Vertical Turbine)	1990	Good	1		$ -	---	---	---	$ -
	3	Super Pulsator	1990	Poor	2		$ -	---	---	---	$ -
	3	Upflow Clarifier	1990	Fair	2		$ -	---	---	---	$ -
	3	Multimedia Filters	1990	Fair	4		$ -	---	---	---	$ -
	3	Finished Water Wet Well	1990	Good	1		$ -	---	---	---	$ -
	3	High Service Pumps	1990	Fair	2		$ -	---	---	---	$ -
	3	Blowers	1990	Fair	2		$ -	---	---	---	$ -
	3	Chlorine Feed System	1990	Fair	1		$ -	---	---	---	$ -
	3	PAC Feed System	1990	Fair	1		$ -	---	---	---	$ -
	3	Caustic Feed System	1990	Fair	1		$ -	---	---	---	$ -
	3	Potassium Permanganate Feed System	1990	Fair	1		$ -	---	---	---	$ -
	3	Fluoride Feed System	1990	Fair	1		$ -	---	---	---	$ -
	3	Filter Polymer Feed System	1990	Fair	1		$ -	---	---	---	$ -
	3	Sludge Polymer Feed System	1990	Fair	1		$ -	---	---	---	$ -
	3	Sludge Holding Tank	1990	Fair	1		$ -	---	---	---	$ -
	3	Aqua Mag Feed System	1990	Fair	1		$ -	---	---	---	$ -
	3	Ammonia Feed System	1990	Fair	1		$ -	---	---	---	$ -
	3	Backwash Sludge Tank	1990	Fair	1		$ -	---	---	---	$ -
	3	HVAC System	1990	Fair	1		$ -	---	---	---	$ -
	1,4	Raw Water Pumps (Vertical Turbine)	2023	Excellent	1	LS	$ -	---	---	---	$ 45,263.00
	1,5	PAC Tank	2022	Excellent	1	LS	$ -	---	---	---	$ 23,700.00
	1,6	SCADA System	2010	Fair	1	LS	$ 100,000.00	$ 100,000.00	13515	4732	$ 35,012.95
	1	Sludge Holding Tank	1995	Good	1	LS	$ 200,000.00	$ 200,000.00	13515	4732	$ 70,025.90
	1	Filter Press Building	1995	Fair	1	LS	$ 50,000.00	$ 50,000.00	13515	4732	$ 17,506.47
	1	Filter Press	1995	Fair	1	LS	$ 100,000.00	$ 100,000.00	13515	4732	$ 35,012.95
	1,5	Filter media replaced	2022	Fair	1	LS	$ -	---	---	---	$ 66,036.00
										TOTAL Account No.304 Structures and Improvements	**$ 7,077,004.32**

Notes:

1. LS - Lump Sum

2. Cost provided represents the original construction cost of the plant. No current evaluation has been prepared.

3. Item is from the original construction of the plant and has been accounted for in the original construction price.

4. One Raw Water Pump was refurbished in 2023, and another was replaced. The cost for the refurbishment AND replacement has been deducted from the original plant cost, and accounted for with the new raw pump.

5. Cost provided is from the time of replacement and represents original cost. No current evaluation has been prepared.

6. SCADA System install approximated to the nearest decade.

Greenville Municipal Water Authority, Mercer County, Pennsylvania
Original Cost of Water System
March 2024
Account No. 331 Transmission & Distribution Mains

Account No.	Notes	ID	Length (LF)	Diameter (in)	Pipe Material	Year Constructed	Condition Assessment	Pipe Cost	Current Evaluation	Current ENR Construction Cost Index	Old ENR Construction Cost Index	Original Cost
331		**Transmission & Distribution Mains**										
331		0.75	4.0	0.75	PVC	2013	Excellent	$ 176.00	$ 176.00	13515	9547	$ 124.33
331		0.75	142.0	0.75	Copper	1940	Poor	$ 22,720.00	$ 22,720.00	13515	242	$ 406.83
331		0.75	82.0	0.75	Copper	1970	Fair	$ 13,120.00	$ 13,120.00	13515	1381	$ 1,340.64
331		1	416.0	1	PVC	2013	Excellent	$ 18,304.00	$ 18,304.00	13515	9547	$ 12,929.95
331		1	257.0	1	PVC	2015	Excellent	$ 11,308.00	$ 11,308.00	13515	10031	$ 8,392.94
331		1	337.0	1	Cast Iron	1920	Poor	$ 21,905.00	$ 21,905.00	13515	251	$ 406.82
331		1	543.0	1	Cast Iron	1940	Poor	$ 35,295.00	$ 35,295.00	13515	242	$ 631.99
331		1	169.0	1	Cast Iron	1970	Fair	$ 10,985.00	$ 10,985.00	13515	1381	$ 1,122.48
331		1	149.0	1	Ductile Iron	2001	Good	$ 11,473.00	$ 11,473.00	13515	6343	$ 5,384.63
331		1	266.0	1	PVC	2001	Good	$ 11,704.00	$ 11,704.00	13515	6343	$ 5,493.04
331		2	4133.0	2	C900	2013	Excellent	$ 268,645.00	$ 268,645.00	13515	9547	$ 189,770.91
331		2	2929.0	2	C900	2018	Excellent	$ 190,385.00	$ 190,385.00	13515	11062	$ 155,829.74
331		2	375.8	2	C900	2020	Excellent	$ 24,427.00	$ 24,427.00	13515	11466	$ 20,723.64
331		2	153.5	2	C900	2022	Excellent	$ 9,977.50	$ 9,977.50	13515	13007	$ 9,602.47
331		2	1426.2	2	Cast Iron	1920	Poor	$ 141,193.02	$ 141,193.02	13515	251	$ 2,622.23
331		2	465.9	2	Cast Iron	1930	Poor	$ 46,125.79	$ 46,125.79	13515	203	$ 692.83
331		2	1699.6	2	Cast Iron	1940	Poor	$ 168,257.63	$ 168,257.63	13515	242	$ 3,012.83
331		2	474.0	2	Cast Iron	1950	Fair	$ 46,923.74	$ 46,923.74	13515	510	$ 1,770.71
331		2	195.2	2	Cast Iron	1960	Fair	$ 19,323.37	$ 19,323.37	13515	824	$ 1,178.13
331		2	1134.4	2	Cast Iron	1970	Fair	$ 112,301.21	$ 112,301.21	13515	1381	$ 11,475.25
331		2	90.5	2	Ductile Iron	1990	Good	$ 10,492.71	$ 10,492.71	13515	4732	$ 3,673.81
331		2	15.7	2	Ductile Iron	2008	Good	$ 1,816.64	$ 1,816.64	13515	8310	$ 1,117.00
331		2	59.3	2	Galvanized	1970	Fair	$ 5,873.38	$ 5,873.38	13515	1381	$ 600.16
331		2	1287.1	2	HDPE	2022	Excellent	$ 84,947.57	$ 84,947.57	13515	13007	$ 81,754.57
331		2	1228.5	2	HDPE	2023	Excellent	$ 81,080.81	$ 81,080.81	13515	13358	$ 80,138.92
331		2	21.0	2	Cast Iron	1940	Poor	$ 2,077.05	$ 2,077.05	13515	242	$ 37.19
331		2	5.3	2	Copper	2003	Good	$ 618.26	$ 618.26	13515	6694	$ 306.22
331		2	555.1	2	PVC	1980	Good	$ 36,080.98	$ 36,080.98	13515	3237	$ 8,641.82
331		2	419.7	2	PVC	1985	Good	$ 27,283.24	$ 27,283.24	13515	4195	$ 8,468.60
331		2	1240.2	2	PVC	1990	Good	$ 80,611.60	$ 80,611.60	13515	4732	$ 28,224.50
331		2	441.3	2	PVC	2000	Good	$ 28,681.62	$ 28,681.62	13515	6221	$ 13,202.25
331		2	904.7	2	PVC	2003	Good	$ 58,808.28	$ 58,808.28	13515	6694	$ 29,127.83
331		3	46.7	3	C900	2015	Excellent	$ 3,037.85	$ 3,037.85	13515	10031	$ 2,254.73
331		3	284.8	3	Cast Iron	1920	Poor	$ 37,302.46	$ 37,302.46	13515	251	$ 692.78
331		4	29.6	4	C909	2022	Excellent	$ 3,191.95	$ 3,191.95	13515	13007	$ 3,071.97
331		4	149.1	4	C-900 PVC	2013	Excellent	$ 16,106.86	$ 16,106.86	13515	9547	$ 11,377.89
331		4	42.3	4	C-900 PVC	2015	Excellent	$ 4,566.36	$ 4,566.36	13515	10031	$ 3,389.21
331		4	93.7	4	C909	2018	Excellent	$ 10,123.57	$ 10,123.57	13515	11062	$ 8,286.12
331		4	661.6	4	C909	2020	Excellent	$ 71,454.51	$ 71,454.51	13515	11466	$ 60,621.34
331		4	392.1	4	C909	2022	Excellent	$ 42,344.44	$ 42,344.44	13515	13007	$ 40,752.80
331		4	34.3	4	C909	2023	Excellent	$ 3,707.05	$ 3,707.05	13515	13358	$ 3,663.99
331		4	4714.0	4	Cast Iron	1920	Poor	$ 763,663.60	$ 763,663.60	13515	251	$ 14,182.73
331		4	3905.9	4	Cast Iron	1930	Poor	$ 632,756.47	$ 632,756.47	13515	203	$ 9,504.22
331		4	5673.7	4	Cast Iron	1940	Poor	$ 919,143.67	$ 919,143.67	13515	242	$ 16,458.21
331		4	513.1	4	Cast Iron	1950	Fair	$ 83,124.51	$ 83,124.51	13515	510	$ 3,136.77
331		4	3072.6	4	Cast Iron	1970	Fair	$ 497,757.03	$ 497,757.03	13515	1381	$ 50,862.19
331		4	1533.3	4	Ductile Iron	1980	Good	$ 289,793.72	$ 289,793.72	13515	3237	$ 69,408.97
331		4	168.6	4	Ductile Iron	1996	Good	$ 31,874.06	$ 31,874.06	13515	5620	$ 13,254.32
331		4	185.8	4	Ductile Iron	2001	Good	$ 35,122.36	$ 35,122.36	13515	6343	$ 16,483.99
331		4	25.6	4	Ductile Iron	2007	Good	$ 4,846.35	$ 4,846.35	13515	7966	$ 2,856.53
331		4	551.8	4	Ductile Iron	2008	Good	$ 104,293.06	$ 104,293.06	13515	8310	$ 64,126.92
331		4	17.4	4	Cast Iron	1920	Poor	$ 2,813.31	$ 2,813.31	13515	251	$ 52.25
331		4	38.0	4	C909	2013	Excellent	$ 4,106.28	$ 4,106.28	13515	9547	$ 2,900.68
331	1	4	4003.5	4	Cast Iron	1890	Poor	$ 648,566.95	$ 648,566.95	13515	97	$ 4,654.90
331		6	18855.0	6	C-900 PVC	2013	Excellent	$ 2,130,617.84	$ 2,130,617.84	13515	9547	$ 1,505,069.08
331		6	23.1	6	C-900 PVC	2015	Excellent	$ 2,608.75	$ 2,608.75	13515	10031	$ 1,936.25
331		6	1326.9	6	C909	2018	Excellent	$ 149,940.25	$ 149,940.25	13515	11062	$ 122,725.79
331		6	1632.8	6	C909	2020	Excellent	$ 184,508.82	$ 184,508.82	13515	11466	$ 156,535.56
331		6	2690.2	6	C909	2022	Excellent	$ 303,992.71	$ 303,992.71	13515	13007	$ 292,566.27
331		6	407.5	6	C909	2023	Excellent	$ 46,046.43	$ 46,046.43	13515	13358	$ 45,511.52
331		6	2335.7	6	Cast Iron	1920	Poor	$ 397,072.66	$ 397,072.66	13515	251	$ 7,374.42
331		6	1329.5	6	Cast Iron	1930	Poor	$ 226,008.33	$ 226,008.33	13515	203	$ 3,394.72
331		6	5394.7	6	Cast Iron	1940	Poor	$ 917,093.40	$ 917,093.40	13515	242	$ 16,421.50
331		6	1190.9	6	Cast Iron	1950	Fair	$ 202,453.07	$ 202,453.07	13515	510	$ 7,639.74
331		6	7660.1	6	Cast Iron	1960	Fair	$ 1,302,212.17	$ 1,302,212.17	13515	824	$ 79,394.96
331		6	18005.7	6	Cast Iron	1970	Fair	$ 3,060,975.29	$ 3,060,975.29	13515	1381	$ 312,778.90
331		6	43.8	6	Cast Iron	2022	Excellent	$ 7,438.80	$ 7,438.80	13515	13007	$ 7,159.19
331		6	1488.3	6	Ductile Iron	1980	Good	$ 294,681.52	$ 294,681.52	13515	3237	$ 70,579.66
331		6	3198.9	6	Ductile Iron	1996	Good	$ 633,386.03	$ 633,386.03	13515	5620	$ 263,383.61
331		6	1161.9	6	Ductile Iron	1999	Good	$ 230,050.93	$ 230,050.93	13515	6059	$ 103,135.67
331		6	46.1	6	Ductile Iron	2001	Good	$ 9,125.39	$ 9,125.39	13515	6343	$ 4,282.82
331		6	10.7	6	Ductile Iron	2004	Good	$ 2,117.31	$ 2,117.31	13515	6538	$ 1,024.27
331		6	1211.6	6	Ductile Iron	2008	Good	$ 239,900.79	$ 239,900.79	13515	8310	$ 147,508.37
331		6	232.8	6	Ductile Iron	2010	Good	$ 46,089.34	$ 46,089.34	13515	8799	$ 30,006.67
331	1	6	314.9	6	Cast Iron	1890	Poor	$ 53,528.76	$ 53,528.76	13515	97	$ 384.19
331		6	142.0	6	Cast Iron	1920	Poor	$ 24,138.56	$ 24,138.56	13515	251	$ 448.30
331		6	63.7	6	Cast Iron	1930	Poor	$ 10,837.08	$ 10,837.08	13515	203	$ 162.78
331		6	73.0	6	Cast Iron	1940	Poor	$ 12,416.41	$ 12,416.41	13515	242	$ 222.33
331		6	27.8	6	Cast Iron	1950	Fair	$ 4,733.96	$ 4,733.96	13515	510	$ 178.64
331		6	89.5	6	Cast Iron	1960	Fair	$ 15,216.51	$ 15,216.51	13515	824	$ 927.74
331		6	198.8	6	Cast Iron	1970	Fair	$ 33,798.00	$ 33,798.00	13515	1381	$ 3,453.57
331		6	96.3	6	Ductile Iron	1980	Good	$ 19,059.78	$ 19,059.78	13515	3237	$ 4,565.04
331		6	40.0	6	Ductile Iron	1990	Good	$ 7,919.13	$ 7,919.13	13515	4732	$ 2,772.72
331		6	47.7	6	Ductile Iron	1996	Good	$ 9,447.58	$ 9,447.58	13515	5620	$ 3,928.63
331		6	169.7	6	Ductile Iron	1999	Good	$ 33,596.21	$ 33,596.21	13515	6059	$ 15,061.74
331		6	10.0	6	C900	2001	Good	$ 1,129.83	$ 1,129.83	13515	6343	$ 530.26
331		6	40.3	6	C900	2003	Good	$ 4,555.65	$ 4,555.65	13515	6694	$ 2,256.42
331		6	6.8	6	C900	2004	Good	$ 767.20	$ 767.20	13515	7115	$ 403.89
331		6	20.7	6	C900	2008	Good	$ 2,340.36	$ 2,340.36	13515	8310	$ 1,439.02
331		6	14.2	6	C900	2010	Good	$ 1,607.52	$ 1,607.52	13515	8799	$ 1,046.58
331		6	290.9	6	C900	2013	Excellent	$ 32,870.33	$ 32,870.33	13515	9547	$ 23,219.61
331		6	19.6	6	C909	2014	Excellent	$ 2,217.43	$ 2,217.43	13515	9807	$ 1,609.05
331		6	3.4	6	C909	2015	Excellent	$ 381.76	$ 381.76	13515	10031	$ 283.34
331		6	112.6	6	C909	2018	Excellent	$ 12,729.19	$ 12,729.19	13515	11062	$ 10,418.82
331		6	43.5	6	C909	2020	Excellent	$ 4,920.62	$ 4,920.62	13515	11466	$ 4,174.61
331		6	99.1	6	C909	2022	Excellent	$ 11,197.74	$ 11,197.74	13515	13007	$ 10,776.84
331		6	34.8	6	C909	2023	Excellent	$ 3,931.55	$ 3,931.55	13515	13358	$ 3,885.88
331		6	10.0	6	Cast Iron	1970	Fair	$ 1,699.98	$ 1,699.98	13515	1381	$ 173.71
331		8	5394.2	8	C-900 PVC	2003	Good	$ 636,509.92	$ 636,509.92	13515	6694	$ 315,264.33
331		8	9050.1	8	C-900 PVC	2013	Excellent	$ 1,067,913.61	$ 1,067,913.61	13515	9547	$ 754,374.49
331		8	2964.4	8	C-900 PVC	2014	Excellent	$ 349,795.16	$ 349,795.16	13515	9807	$ 253,824.73
331		8	1441.1	8	C-909 PVC	2015	Excellent	$ 170,054.77	$ 170,054.77	13515	10031	$ 126,216.75
331		8	4834.3	8	C-909 PVC	2018	Excellent	$ 570,441.52	$ 570,441.52	13515	11062	$ 466,905.22
331		8	2739.9	8	C-909 PVC	2020	Excellent	$ 323,310.40	$ 323,310.40	13515	11466	$ 274,293.53
331		8	6633.1	8	C-909 PVC	2022	Excellent	$ 782,711.50	$ 782,711.50	13515	13007	$ 753,291.05
331		8	1864.3	8	C-909 PVC	2023	Excellent	$ 219,988.51	$ 219,988.51	13515	13358	$ 217,432.97
331		8	1315.9	8	Cast Iron	1920	Poor	$ 232,920.77	$ 232,920.77	13515	251	$ 4,325.79
331		8	276.6	8	Cast Iron	1930	Poor	$ 48,966.82	$ 48,966.82	13515	203	$ 735.50
331		8	1838.0	8	Cast Iron	1950	Fair	$ 325,333.18	$ 325,333.18	13515	510	$ 12,276.72
331		8	1532.7	8	Cast Iron	1960	Fair	$ 271,290.49	$ 271,290.49	13515	824	$ 16,540.39
331		8	11750.8	8	Cast Iron	1970	Fair	$ 2,079,895.39	$ 2,079,895.39	13515	1381	$ 212,529.45
331		8	1751.9	8	Ductile Iron	1980	Good	$ 362,643.24	$ 362,643.24	13515	3237	$ 86,857.28
331		8	2862.3	8	Ductile Iron	1990	Good	$ 592,500.74	$ 592,500.74	13515	4732	$ 207,451.98
331		8	60.5	8	Ductile Iron	1996	Good	$ 12,520.35	$ 12,520.35	13515	5620	$ 5,206.39
331		8	2220.8	8	Ductile Iron	1999	Good	$ 459,715.27	$ 459,715.27	13515	6059	$ 206,098.03
331		8	1516.1	8	Ductile Iron	2001	Good	$ 313,829.72	$ 313,829.72	13515	6343	$ 147,289.82
331		8	21.6	8	Ductile Iron	2007	Good	$ 4,471.42	$ 4,471.42	13515	7966	$ 2,635.54
331		8	79.5	8	Ductile Iron	2008	Good	$ 16,456.34	$ 16,456.34	13515	8310	$ 10,118.55
331		8	21.3	8	Cast Iron	1930	Poor	$ 3,771.25	$ 3,771.25	13515	203	$ 56.65
331		8	111.8	8	Cast Iron	1970	Fair	$ 19,793.59	$ 19,793.59	13515	1381	$ 2,022.56
331		8	31.5	8	Ductile Iron	1980	Good	$ 6,518.49	$ 6,518.49	13515	3237	$ 1,561.26
331		8	11.4	8	Ductile Iron	1990	Good	$ 2,353.01	$ 2,353.01	13515	4732	$ 823.86
331		8	10.0	8	Ductile Iron	2003	Good	$ 2,069.97	$ 2,069.97	13515	6694	$ 1,025.26
331		8	52.1	8	C-900 PVC	2010	Good	$ 6,153.63	$ 6,153.63	13515	8799	$ 4,006.35
331		8	46.3	8	C-900 PVC	2013	Excellent	$ 5,457.84	$ 5,457.84	13515	9547	$ 3,855.42
331		8	10.0	8	C-909 PVC	2015	Excellent	$ 1,180.01	$ 1,180.01	13515	10031	$ 875.82
331		8	191.1	8	C-909 PVC	2018	Excellent	$ 22,550.54	$ 22,550.54	13515	11062	$ 18,457.57
331		8	27.5	8	C-909 PVC	2023	Excellent	$ 3,243.83	$ 3,243.83	13515	13358	$ 3,206.14
331	1	8	1952.8	8	Cast Iron	1890	Poor	$ 345,643.27	$ 345,643.27	13515	97	$ 2,480.75
331		8	1766.9	8	Ductile Iron	1980	Good	$ 365,755.32	$ 365,755.32	13515	3237	$ 87,602.66
331		10	60.1	10	C-900 PVC	2020	Excellent	$ 8,358.77	$ 8,358.77	13515	11466	$ 7,091.51
331		10	257.0	10	C-900 PVC	2022	Excellent	$ 35,729.21	$ 35,729.21	13515	13007	$ 34,386.22
331		10	1887.7	10	C-900 PVC	2023	Excellent	$ 262,390.74	$ 262,390.74	13515	13358	$ 259,342.62
331		10	26.6	10	Cast Iron	1930	Poor	$ 5,552.40	$ 5,552.40	13515	203	$ 83.40
331		10	1678.0	10	Cast Iron	1970	Fair	$ 350,710.46	$ 350,710.46	13515	1381	$ 35,836.56
331		10	10.0	10	Ductile Iron	1970	Fair	$ 22,439.95	$ 22,439.95	13515	1381	$ 2,292.98
331		10	10.0	10	C-900 PVC	2004	Good	$ 1,389.83	$ 1,389.83	13515	7115	$ 731.68
331		12	1739.9	12	C-900 PVC	2003	Good	$ 247,063.74	$ 247,063.74	13515	6694	$ 122,371.05
331		12	638.2	12	C-900 PVC	2010	Good	$ 90,624.99	$ 90,624.99	13515	8799	$ 59,001.80
331		12	3465.4	12	C-900 PVC	2013	Excellent	$ 492,085.56	$ 492,085.56	13515	9547	$ 347,609.39
331		12	1964.0	12	C-900 PVC	2015	Excellent	$ 278,881.44	$ 278,881.44	13515	10031	$ 206,989.25
331		12	1069.3	12	C-900 PVC	2016	Excellent	$ 151,839.19	$ 151,839.19	13515	10339	$ 116,157.26
331		12	1717.1	12	C-900 PVC	2018	Excellent	$ 243,831.75	$ 243,831.75	13515	11062	$ 199,575.79
331		12	1666.2	12	C-900 PVC	2020	Excellent	$ 236,601.22	$ 236,601.22	13515	11466	$ 200,730.27
331		12	2353.7	12	C-900 PVC	2022	Excellent	$ 334,226.47	$ 334,226.47	13515	13007	$ 321,663.61
331		12	5346.6	12	C-900 PVC	2023	Excellent	$ 759,219.67	$ 759,219.67	13515	13358	$ 750,400.03
331		12	1851.3	12	Cast Iron	1920	Poor	$ 394,329.62	$ 394,329.62	13515	251	$ 7,323.47
331		12	119.0	12	Cast Iron	1930	Poor	$ 25,351.78	$ 25,351.78	13515	203	$ 380.79
331		12	14.2	12	Cast Iron	1960	Fair	$ 3,032.99	$ 3,032.99	13515	824	$ 184.92
331		12	233.5	12	Cast Iron	1970	Fair	$ 49,730.94	$ 49,730.94	13515	1381	$ 5,081.65
331		12	3096.7	12	Ductile Iron	1980	Good	$ 771,087.01	$ 771,087.01	13515	3237	$ 184,684.33
331		12	3057.3	12	Ductile Iron	1996	Good	$ 761,260.58	$ 761,260.58	13515	5620	$ 316,558.23
331		12	6846.3	12	Ductile Iron	1999	Good	$ 1,704,727.86	$ 1,704,727.86	13515	6059	$ 764,257.94
331		12	2648.2	12	Ductile Iron	2001	Good	$ 659,404.13	$ 659,404.13	13515	6343	$ 309,478.38
331		12	8131.4	12	Ductile Iron	2004	Good	$ 2,024,708.67	$ 2,024,708.67	13515	7115	$ 1,065,912.11
331		12	557.0	12	Ductile Iron	2007	Good	$ 138,681.32	$ 138,681.32	13515	7966	$ 81,741.43
331		12	1503.1	12	Ductile Iron	2008	Good	$ 374,277.96	$ 374,277.96	13515	8310	$ 230,133.17
331		12	1597.0	12	Ductile Iron	2010	Good	$ 397,645.12	$ 397,645.12	13515	8799	$ 258,888.60
331		12	10.0	12	Ductile Iron	1999	Good	$ 2,489.96	$ 2,489.96	13515	6059	$ 1,116.29
331		12	20.0	12	Ductile Iron	2003	Good	$ 4,980.00	$ 4,980.00	13515	6694	$ 2,466.60
331		12	20.0	12	Ductile Iron	2004	Good	$ 4,979.23	$ 4,979.23	13515	7115	$ 2,621.33
331		12	144.0	12	Ductile Iron	2010	Good	$ 35,861.26	$ 35,861.26	13515	8799	$ 23,347.63
331		16	12.9	16	C-900 PVC	2023	Excellent	$ 1,836.13	$ 1,836.13	13515	13358	$ 1,814.80
331		16	31.1	16	Cast Iron	1950	Fair	$ 6,631.60	$ 6,631.60	13515	510	$ 250.25
331		16	222.9	16	Ductile Iron	2018	Excellent	$ 55,500.31	$ 55,500.31	13515	11062	$ 45,426.89
											TOTAL Account No. 331 Transmission & Distribution Mains	**$ 14,526,526.45**

Notes:
1. Mains from 1890 use the 1908 ENR number. ENR only extends back to 1908.

Greenville Municipal Water Authority, Mercer County, Pennsylvania
Original Cost of Water System
March 2024
Account No. 331-1 Transmission & Distribution Mains - Valves

Account No.	Notes	ID	Quantity	Year Constructed	Current Evaluation	Current ENR Construction Cost Index	Old ENR Construction Cost Index	Original Cost
331-1		**Transmission & Distribution Mains - Valves**						
331-1	1	0.75	1	1940	$ 850.00	13515	242	$ 15.22
331-1	1	0.75	1	1970	$ 850.00	13515	1381	$ 86.86
331-1	1	1	2	1940	$ 1,700.00	13515	242	$ 30.44
331-1	1	1	1	1970	$ 850.00	13515	1381	$ 86.86
331-1	1	1	1	2001	$ 850.00	13515	6343	$ 398.93
331-1	1	1	1	2013	$ 850.00	13515	9547	$ 600.44
331-1	1	2	5	1920	$ 5,600.00	13515	251	$ 104.00
331-1	1	2	1	1930	$ 1,120.00	13515	203	$ 16.82
331-1	1	2	6	1940	$ 6,720.00	13515	242	$ 120.33
331-1	1	2	4	1960	$ 4,480.00	13515	824	$ 273.14
331-1	1	2	6	1970	$ 6,720.00	13515	1381	$ 686.67
331-1	1	2	1	1980	$ 1,120.00	13515	3237	$ 268.25
331-1	1	2	3	1985	$ 3,360.00	13515	4195	$ 1,042.93
331-1	1	2	4	1990	$ 4,480.00	13515	4732	$ 1,568.58
331-1	1	2	3	2000	$ 3,360.00	13515	6221	$ 1,546.62
331-1	1	2	3	2003	$ 3,360.00	13515	6694	$ 1,664.21
331-1	1	2	24	2013	$ 26,880.00	13515	9547	$ 18,988.04
331-1	1	2	11	2018	$ 12,320.00	13515	11062	$ 10,083.89
331-1	1	2	2	2020	$ 2,240.00	13515	11466	$ 1,900.40
331-1	1	2	3	2022	$ 3,360.00	13515	13007	$ 3,233.70
331-1	1	2	2	2023	$ 2,240.00	13515	13358	$ 2,213.98
331-1	1	3	1	1920	$ 1,400.00	13515	251	$ 26.00
331-1	1	3	1	2015	$ 1,400.00	13515	10031	$ 1,039.10
331-1	1,2	4	8	1890	$ 15,200.00	13515	97	$ 109.09
331-1	1	4	14	1920	$ 26,600.00	13515	251	$ 494.01
331-1	1	4	11	1930	$ 20,900.00	13515	203	$ 313.93
331-1	1	4	13	1940	$ 24,700.00	13515	242	$ 442.28
331-1	1	4	1	1950	$ 1,900.00	13515	510	$ 71.70
331-1	1	4	10	1970	$ 19,000.00	13515	1381	$ 1,941.47
331-1	1	4	4	1980	$ 7,600.00	13515	3237	$ 1,820.29
331-1	1	4	1	1996	$ 1,900.00	13515	5620	$ 790.09
331-1	1	4	2	2001	$ 3,800.00	13515	6343	$ 1,783.46
331-1	1	4	1	2007	$ 1,900.00	13515	7966	$ 1,119.90
331-1	1	4	4	2008	$ 7,600.00	13515	8310	$ 4,673.03
331-1	1	4	2	2013	$ 3,800.00	13515	9547	$ 2,684.32
331-1	1	4	1	2015	$ 1,900.00	13515	10031	$ 1,410.20
331-1	1	4	3	2018	$ 5,700.00	13515	11062	$ 4,665.44
331-1	1	4	5	2020	$ 9,500.00	13515	11466	$ 8,059.71
331-1	1	4	8	2022	$ 15,200.00	13515	13007	$ 14,628.66
331-1	1	4	1	2023	$ 1,900.00	13515	13358	$ 1,877.93
331-1	1,2	6	1	1890	$ 2,200.00	13515	97	$ 15.79
331-1	1	6	18	1920	$ 39,600.00	13515	251	$ 735.45
331-1	1	6	8	1930	$ 17,600.00	13515	203	$ 264.36
331-1	1	6	18	1940	$ 39,600.00	13515	242	$ 709.08
331-1	1	6	6	1950	$ 13,200.00	13515	510	$ 498.11
331-1	1	6	15	1960	$ 33,000.00	13515	824	$ 2,011.99
331-1	1	6	42	1970	$ 92,400.00	13515	1381	$ 9,441.69
331-1	1	6	5	1980	$ 11,000.00	13515	3237	$ 2,634.63
331-1	1	6	3	1996	$ 6,600.00	13515	5620	$ 2,744.51
331-1	1	6	6	1999	$ 13,200.00	13515	6059	$ 5,917.78
331-1	1	6	2	2001	$ 4,400.00	13515	6343	$ 2,065.05
331-1	1	6	5	2008	$ 11,000.00	13515	8310	$ 6,763.60
331-1	1	6	2	2010	$ 4,400.00	13515	8799	$ 2,864.64
331-1	1	6	83	2013	$ 182,600.00	13515	9547	$ 128,988.69
331-1	1	6	2	2014	$ 4,400.00	13515	9807	$ 3,192.81
331-1	1	6	1	2015	$ 2,200.00	13515	10031	$ 1,632.87
331-1	1	6	16	2018	$ 35,200.00	13515	11062	$ 28,811.13
331-1	1	6	8	2020	$ 17,600.00	13515	11466	$ 14,931.68
331-1	1	6	21	2022	$ 46,200.00	13515	13007	$ 44,463.44
331-1	1	6	3	2023	$ 6,600.00	13515	13358	$ 6,523.33
331-1	1	8	2	1890	$ 5,600.00	13515	97	$ 40.19
331-1	1	8	3	1920	$ 8,400.00	13515	251	$ 156.00
331-1	1	8	3	1930	$ 8,400.00	13515	203	$ 126.17
331-1	1	8	4	1950	$ 11,200.00	13515	510	$ 422.64
331-1	1	8	4	1960	$ 11,200.00	13515	824	$ 682.86
331-1	1	8	22	1970	$ 61,600.00	13515	1381	$ 6,294.46
331-1	1	8	6	1980	$ 16,800.00	13515	3237	$ 4,023.80
331-1	1	8	7	1990	$ 19,600.00	13515	4732	$ 6,862.54
331-1	1	8	2	1996	$ 5,600.00	13515	5620	$ 2,328.67
331-1	1	8	5	1999	$ 14,000.00	13515	6059	$ 6,276.43
331-1	1	8	7	2001	$ 19,600.00	13515	6343	$ 9,198.88
331-1	1	8	10	2003	$ 28,000.00	13515	6694	$ 13,868.44
331-1	1	8	1	2007	$ 2,800.00	13515	7966	$ 1,650.37
331-1	1	8	2	2008	$ 5,600.00	13515	8310	$ 3,443.29
331-1	1	8	39	2013	$ 109,200.00	13515	9547	$ 77,138.91
331-1	1	8	8	2014	$ 22,400.00	13515	9807	$ 16,254.30
331-1	1	8	6	2015	$ 16,800.00	13515	10031	$ 12,469.17
331-1	1	8	26	2018	$ 72,800.00	13515	11062	$ 59,586.65
331-1	1	8	12	2020	$ 33,600.00	13515	11466	$ 28,505.93
331-1	1	8	18	2022	$ 50,400.00	13515	13007	$ 48,505.57
331-1	1	8	6	2023	$ 16,800.00	13515	13358	$ 16,604.84
331-1	1	10	1	1930	$ 3,300.00	13515	203	$ 49.57
331-1	1	10	1	1970	$ 3,300.00	13515	1381	$ 337.20
331-1	1	10	1	2022	$ 3,300.00	13515	13007	$ 3,175.96
331-1	1	10	5	2023	$ 16,500.00	13515	13358	$ 16,308.32
331-1	1	12	9	1920	$ 41,400.00	13515	251	$ 768.88
331-1	1	12	4	1930	$ 18,400.00	13515	203	$ 276.37
331-1	1	12	1	1960	$ 4,600.00	13515	824	$ 280.46
331-1	1	12	3	1970	$ 13,800.00	13515	1381	$ 1,410.12
331-1	1	12	6	1980	$ 27,600.00	13515	3237	$ 6,610.52
331-1	1	12	3	1996	$ 13,800.00	13515	5620	$ 5,738.51
331-1	1	12	12	1999	$ 55,200.00	13515	6059	$ 24,747.08
331-1	1	12	3	2001	$ 13,800.00	13515	6343	$ 6,476.76
331-1	1	12	3	2003	$ 13,800.00	13515	6694	$ 6,835.16
331-1	1	12	6	2004	$ 27,600.00	13515	7115	$ 14,530.08
331-1	1	12	4	2007	$ 18,400.00	13515	7966	$ 10,845.31
331-1	1	12	7	2008	$ 32,200.00	13515	8310	$ 19,798.89
331-1	1	12	8	2010	$ 36,800.00	13515	8799	$ 23,958.80
331-1	1	12	4	2013	$ 18,400.00	13515	9547	$ 12,997.77
331-1	1	12	6	2015	$ 27,600.00	13515	10031	$ 20,485.06
331-1	1	12	4	2016	$ 18,400.00	13515	10339	$ 14,076.03
331-1	1	12	3	2018	$ 13,800.00	13515	11062	$ 11,295.27
331-1	1	12	9	2020	$ 41,400.00	13515	11466	$ 35,123.37
331-1	1	12	14	2022	$ 64,400.00	13515	13007	$ 61,979.34
331-1	1	12	11	2023	$ 50,600.00	13515	13358	$ 50,012.19
331-1	1	16	2	2018	$ 11,000.00	13515	11062	$ 9,003.48
331-1	1	16	1	2023	$ 5,500.00	13515	13358	$ 5,436.11
							TOTAL Account No. 331-1 Transmission & Distribution Mains - Valves	**$ 1,035,088.27**

Notes:

1. Install year for valves has been estimated based on the approximate age of the main.

2. Valves from 1890 use the 1908 ENR number. ENR only extends back to 1908.

Greenville Municipal Water Authroity, Mercer County, Pennsylvania
Original Cost of Water System
March 2024
Account No. 335 Hydrants

Account No.	Notes	Description	Count	Year Constructed	Hydrant Cost	Current Evaluation	Current ENR Construction Cost Index	Old ENR Construction Cost Index	Original Cost
335		**Hydrants**							
335	1,2	Hydrants	8	1890	$ 6,400.00	$ 51,200.00	13515	97	$ 367.47
335	1	Hydrants	13	1920	$ 6,400.00	$ 83,200.00	13515	251	$ 1,545.19
335	1	Hydrants	5	1930	$ 6,400.00	$ 32,000.00	13515	203	$ 480.65
335	1	Hydrants	8	1940	$ 6,400.00	$ 51,200.00	13515	242	$ 916.79
335	1	Hydrants	3	1950	$ 6,400.00	$ 19,200.00	13515	510	$ 724.53
335	1	Hydrants	8	1960	$ 6,400.00	$ 51,200.00	13515	824	$ 3,121.63
335	1	Hydrants	29	1970	$ 6,400.00	$ 185,600.00	13515	1381	$ 18,965.12
335	1	Hydrants	11	1980	$ 6,400.00	$ 70,400.00	13515	3237	$ 16,861.62
335	1	Hydrants	5	1990	$ 6,400.00	$ 32,000.00	13515	4732	$ 11,204.14
335	1	Hydrants	4	1996	$ 6,400.00	$ 25,600.00	13515	5620	$ 10,645.36
335	1	Hydrants	10	1999	$ 6,400.00	$ 64,000.00	13515	6059	$ 28,692.27
335	1	Hydrants	1	2001	$ 6,400.00	$ 6,400.00	13515	6343	$ 3,003.71
335	1	Hydrants	9	2003	$ 6,400.00	$ 57,600.00	13515	6694	$ 28,529.37
335	1	Hydrants	4	2004	$ 6,400.00	$ 25,600.00	13515	7115	$ 13,477.17
335	1	Hydrants	5	2008	$ 6,400.00	$ 32,000.00	13515	8310	$ 19,675.92
335	1	Hydrants	5	2010	$ 6,400.00	$ 32,000.00	13515	8799	$ 20,833.74
335	1	Hydrants	37	2013	$ 6,400.00	$ 236,800.00	13515	9547	$ 167,275.59
335	1	Hydrants	4	2014	$ 6,400.00	$ 25,600.00	13515	9807	$ 18,576.34
335	1	Hydrants	4	2015	$ 6,400.00	$ 25,600.00	13515	10031	$ 19,000.64
335	1	Hydrants	2	2016	$ 6,400.00	$ 12,800.00	13515	10339	$ 9,792.02
335	1	Hydrants	17	2018	$ 6,400.00	$ 108,800.00	13515	11062	$ 89,052.58
335	1	Hydrants	4	2020	$ 6,400.00	$ 25,600.00	13515	11466	$ 21,718.80
335	1	Hydrants	11	2022	$ 6,400.00	$ 70,400.00	13515	13007	$ 67,753.81
335	1	Hydrants	5	2023	$ 6,400.00	$ 32,000.00	13515	13358	$ 31,628.26
								TOTAL Account No. 335 Hydrants	**$ 603,842.72**

Notes:

1. Install year for hydrants has been estimated based on the approximate age of the main.

2. Hydrants from 1890 use the 1908 ENR number. ENR only extends back to 1908.

Greenville Municipal Water Authority, Mercer County, Pennsylvania
Original Cost of Water System
March 2024
Account No. 311 Pumping Equipment

Account No.	Notes	Description	Year Constructed	Quantity	Units	Unit Price	Current Evaluation	Current ENR Construction Cost Index	Old ENR Construction Cost Index	Original Cost
311		**Pumping Equipment**								
311	1	Booster Station Relocation	2024	1	EA	$ -	$ -	---	---	$ 749,500.00
									TOTAL Account No. 311 Pumping Equipment	**$ 749,500.00**

Notes:

1. No current value estimated, original purchase price is provided.

Greenville Municipal Water Authority, Mercer County, Pennsylvania
Original Cost of Water System
March 2024
Account No. 330 Distribution Reservoirs & Standpipes

Account No.	Notes	Description	Year Constructed	Quantity	Units	Unit Price	Current Evaluation	Current ENR Construction Cost Index	Old ENR Construction Cost Index	Original Cost
330		**Distribution Reservoirs & Standpipes**								
330		**East Tank #1 (0.250 MG)**								
	1	Constructed	1977	1	EA	$ 696,383.00	$ 696,383.00	13515	2576	$ 132,732.71
	1	Tideflex Mixer	2014	1	EA			13515	9807	
330		**East Tank #2 (1.0 MG)**								
	1	Constructed	2011	1	EA	$ 1,679,288.00	$ 1,679,288.00	13515	9070	$ 1,126,980.55
	1	GridBee Mixer	2018	1	EA			13515	11062	
330		**West Tank (0.255 MG)**								
	1	Constructed	1914	1	EA	$ 515,867.00	$ 515,867.00	13515	89	$ 3,397.13
330		**South Tank (0.750 MG)**								
	1	Constructed	1953	1	EA	$ 1,074,744.00	$ 1,074,744.00	13515	600	$ 47,713.39
	1	GridBee Mixer	2018	1	EA			13515	11062	
330		**North Tank (0.750 MG)**					$ -			
	1	Constructed	1953	1	EA	$ 1,074,744.00	$ 1,074,744.00	13515	600	$ 47,713.39
	1	GridBee Mixer	2018	1	EA			13515	11062	
								TOTAL Account No. 330 Distribution Reservoirs & Standpipes		**$ 1,358,537.16**

Notes:

1. EA - Each

Greenville Municipal Water Authority, Mercer County, Pennsylvania
Original Cost of Water System
April 2024
Account No.333 Service Lines - REVISION 1

Account No.	Notes	ID	Length (LF)	Diameter (in)	Pipe Material	Count	Year Constructed	Estimated Installation Cost per Linear Foot	Current Evaluation	Current ENR Construction Cost Index	Old ENR Construction Cost Index	Original Cost
333		**Services**										
333	1,2,3	0.75	1350	0.75	Lead	90	1890	$ -	$ -	13515	97	$ -
333	1,2	0.75	1650	0.75	Lead	110	1920	$ -	$ -	13515	251	$ -
333	1,2	0.75	90	0.75	Lead	6	1930	$ -	$ -	13515	203	$ -
333	1,4,6	0.75	1230	0.75	Copper	82	1930	$ 66.00	$ 81,180.00	13515	203	$ 1,219.35
333	1,4,6	0.75	3120	0.75	Copper	208	1940	$ 66.00	$ 205,920.00	13515	242	$ 3,687.21
333	1,4,6	0.75	1230	0.75	Copper	82	1950	$ 66.00	$ 81,180.00	13515	510	$ 3,063.40
333	1,4,6	0.75	1170	0.75	Copper	78	1960	$ 66.00	$ 77,220.00	13515	824	$ 4,708.05
333	1,4,6	0.75	5700	0.75	Copper	380	1970	$ 66.00	$ 376,200.00	13515	1381	$ 38,441.15
333	1,4,6	0.75	1995	0.75	Copper	133	1980	$ 66.00	$ 131,670.00	13515	3237	$ 31,536.50
333	1,4,6	0.75	45	0.75	Copper	3	1985	$ 66.00	$ 2,970.00	13515	4195	$ 921.88
333	1,4,6	0.75	465	0.75	Copper	31	1990	$ 66.00	$ 30,690.00	13515	4732	$ 10,745.47
333	1,4,6	0.75	660	0.75	Copper	44	1996	$ 66.00	$ 43,560.00	13515	5620	$ 18,113.74
333	1,4,6	0.75	150	0.75	Copper	10	1999	$ 66.00	$ 9,900.00	13515	6059	$ 4,438.34
333	1,4,6	0.75	135	0.75	Copper	9	2000	$ 66.00	$ 8,910.00	13515	6221	$ 4,101.30
333	1,4,6	0.75	225	0.75	Copper	15	2001	$ 66.00	$ 14,850.00	13515	6343	$ 6,969.56
333	1,4,6	0.75	630	0.75	Copper	42	2003	$ 66.00	$ 41,580.00	13515	6694	$ 20,594.64
333	1,4,6	0.75	360	0.75	Copper	24	2004	$ 66.00	$ 23,760.00	13515	7115	$ 12,508.50
333	1,4,6	0.75	1725	0.75	Copper	115	2008	$ 66.00	$ 113,850.00	13515	8310	$ 70,003.22
333	1,4,6	0.75	9105	0.75	Copper	607	2013	$ 66.00	$ 600,930.00	13515	9547	$ 424,497.13
333	1,4,6	0.75	345	0.75	Copper	23	2015	$ 66.00	$ 22,770.00	13515	10031	$ 16,900.18
333	1,4,6	0.75	1275	0.75	Copper	85	2018	$ 66.00	$ 84,150.00	13515	11062	$ 68,876.60
333	1,4,6	0.75	1155	0.75	Copper	77	2020	$ 66.00	$ 76,230.00	13515	11466	$ 64,672.82
333	1,4,6	0.75	2895	0.75	Copper	193	2022	$ 66.00	$ 191,070.00	13515	13007	$ 183,888.09
333	1,4,6	0.75	2010	0.75	Copper	134	2023	$ 66.00	$ 132,660.00	13515	13358	$ 131,118.93
333	5	0.75	3	0.75	Poly	1	1999	$ 44.00	$ 132.00	13515	6059	$ 59.18
334	5,6	1	15	1	Poly	1	2016	$ 44.00	$ 660.00	13515	10339	$ 504.90
335	5	1	397	1	Poly	3	2020	$ 44.00	$ 17,468.00	13515	11466	$ 14,819.69
336	5	2	33.5	2	Poly	1	2018	$ 66.00	$ 2,211.00	13515	11062	$ 1,809.70
337	5	2	76.5	2	Poly	2	2022	$ 66.00	$ 5,049.00	13515	13007	$ 4,859.22
338	5	2	2	2	Poly	5	2023	$ 66.00	$ 132.00	13515	13358	$ 130.47
333	5,6	0.75	15	0.75	Black Plastic	1	2013	$ 44.00	$ 660.00	13515	9547	$ 466.22
333	5	2	2	2	Brass	1	1950	$ 99.00	$ 198.00	13515	510	$ 7.47
333	5	4	4	4	C900	2	2020	$ 108.00	$ 432.00	13515	11466	$ 366.50
333	5	6	4	6	C900	2	2013	$ 113.00	$ 452.00	13515	9547	$ 319.29
333	5,6	8	15	8	C900	1	2013	$ 139.00	$ 2,085.00	13515	9547	$ 1,472.84
333	5,6	8	15	8	C900	1	2015	$ 139.00	$ 2,085.00	13515	10031	$ 1,547.51
333	5,6	8	15	8	C900	1	2023	$ 139.00	$ 2,085.00	13515	13358	$ 2,060.78
333	5,6	6	15	6	C909	1	2022	$ 113.00	$ 1,695.00	13515	13007	$ 1,631.29
333	5	2	48	2	Cast Iron	2	1920	$ 99.00	$ 4,752.00	13515	251	$ 88.25
333	5,6	4	30	4	Cast Iron	2	2001	$ 162.00	$ 4,860.00	13515	6343	$ 2,280.95
333	5	6	19	6	Cast Iron	2	1940	$ 170.00	$ 3,230.00	13515	242	$ 57.84
333	5,6	6	30	6	Cast Iron	2	1970	$ 170.00	$ 5,100.00	13515	1381	$ 521.13
333	5,6	6	30	6	Cast Iron	2	2001	$ 170.00	$ 5,100.00	13515	6343	$ 2,393.58
333	5,6	8	15	8	Cast Iron	1	1970	$ 177.00	$ 2,655.00	13515	1381	$ 271.30
333	5,6	8	15	8	Cast Iron	1	2015	$ 177.00	$ 2,655.00	13515	10031	$ 1,970.57
333	5,6	8	15	8	Cast Iron	1	2020	$ 177.00	$ 2,655.00	13515	11466	$ 2,252.48
333	3,5	0.75	55	0.75	Copper	2	1890	$ 66.00	$ 3,630.00	13515	97	$ 26.05
333	5	0.75	1110	0.75	Copper	75	1920	$ 66.00	$ 73,260.00	13515	251	$ 1,360.58
333	5	0.75	12	0.75	Copper	1	1930	$ 66.00	$ 792.00	13515	203	$ 11.90
333	5	0.75	42	0.75	Copper	4	1940	$ 66.00	$ 2,772.00	13515	242	$ 49.64
333	5	0.75	99	0.75	Copper	7	1950	$ 66.00	$ 6,534.00	13515	510	$ 246.57
333	5	0.75	55	0.75	Copper	1	1970	$ 66.00	$ 3,630.00	13515	1381	$ 370.92
333	5	0.75	77	0.75	Copper	7	1980	$ 66.00	$ 5,082.00	13515	3237	$ 1,217.20
333	5	0.75	18	0.75	Copper	3	1990	$ 66.00	$ 1,188.00	13515	4732	$ 415.95
333	5	0.75	55	0.75	Copper	3	1996	$ 66.00	$ 3,630.00	13515	5620	$ 1,509.48
333	5	0.75	155	0.75	Copper	7	1999	$ 66.00	$ 10,230.00	13515	6059	$ 4,586.28
333	5	0.75	32	0.75	Copper	1	2001	$ 66.00	$ 2,112.00	13515	6343	$ 991.23
333	5	0.75	81	0.75	Copper	10	2008	$ 66.00	$ 5,346.00	13515	8310	$ 3,287.11
333	5	0.75	215	0.75	Copper	7	2013	$ 66.00	$ 14,190.00	13515	9547	$ 10,023.82
333	5	0.75	132	0.75	Copper	3	2015	$ 66.00	$ 8,712.00	13515	10031	$ 6,466.15
333	5	0.75	142	0.75	Copper	2	2016	$ 66.00	$ 9,372.00	13515	10339	$ 7,169.60
333	5	0.75	4	0.75	Copper	2	2018	$ 66.00	$ 264.00	13515	11062	$ 216.08
333	5	0.75	194	0.75	Copper	11	2020	$ 66.00	$ 12,804.00	13515	11466	$ 10,862.79
333	5	0.75	53	0.75	Copper	2	2022	$ 66.00	$ 3,498.00	13515	13007	$ 3,366.52
333	5	0.75	152	0.75	Copper	8	2023	$ 66.00	$ 10,032.00	13515	13358	$ 9,915.46
333	5	1	298	1	Copper	22	1920	$ 80.00	$ 23,840.00	13515	251	$ 442.76
333	5,6	1	15	1	Copper	1	1930	$ 80.00	$ 1,200.00	13515	203	$ 18.02
333	5	1	49	1	Copper	3	1950	$ 80.00	$ 3,920.00	13515	510	$ 147.92
333	5	1	122	1	Copper	15	1970	$ 80.00	$ 9,760.00	13515	1381	$ 997.30
333	5	1	66	1	Copper	3	1980	$ 80.00	$ 5,280.00	13515	3237	$ 1,264.62
333	5	1	77	1	Copper	4	1990	$ 80.00	$ 6,160.00	13515	4732	$ 2,156.80
333	5	1	86	1	Copper	2	1996	$ 80.00	$ 6,880.00	13515	5620	$ 2,860.94
333	5	1	201	1	Copper	14	1999	$ 80.00	$ 16,080.00	13515	6059	$ 7,208.93
333	5	1	22	1	Copper	7	2001	$ 80.00	$ 1,760.00	13515	6343	$ 826.02
333	5	1	194	1	Copper	7	2008	$ 80.00	$ 15,520.00	13515	8310	$ 9,542.82
333	5,6	1	30	1	Copper	2	2016	$ 80.00	$ 2,400.00	13515	10339	$ 1,836.00
333	5	1	3	1	Copper	1	2018	$ 80.00	$ 240.00	13515	11062	$ 196.44
333	5	1	433	1	Copper	23	2020	$ 80.00	$ 34,640.00	13515	11466	$ 29,388.25
333	5	1	28	1	Copper	2	2023	$ 80.00	$ 2,240.00	13515	13358	$ 2,213.98
333	5,6	1.5	15	1.5	Copper	1	2016	$ 90.00	$ 1,350.00	13515	10339	$ 1,032.75
334	3,5	2	3	2	Copper	5	1890	$ 120.00	$ 360.00	13515	97	$ 2.58
333	5	2	24	2	Copper	2	1920	$ 120.00	$ 2,880.00	13515	251	$ 53.49
333	5,6	2	45	2	Copper	3	1970	$ 120.00	$ 5,400.00	13515	1381	$ 551.79
333	5,6	2	60	2	Copper	4	1999	$ 120.00	$ 7,200.00	13515	6059	$ 3,227.88
333	5,6	2	15	2	Copper	1	2015	$ 120.00	$ 1,800.00	13515	10031	$ 1,335.98
333	5	2	37	2	Copper	1	2020	$ 120.00	$ 4,440.00	13515	11466	$ 3,766.85
333	5,6	6	15	6	Ductile Iron	1	1999	$ 198.00	$ 2,970.00	13515	6059	$ 1,331.50
333	5	6	6	6	Ductile Iron	2	2020	$ 198.00	$ 1,188.00	13515	11466	$ 1,007.89
333	3,5,6	8	15	8	Ductile Iron	1	1890	$ 207.00	$ 3,105.00	13515	97	$ 22.29
333	5,6	8	90	8	Ductile Iron	6	1999	$ 207.00	$ 18,630.00	13515	6059	$ 8,352.14
333	5,6	8	15	8	Ductile Iron	1	2001	$ 207.00	$ 3,105.00	13515	6343	$ 1,457.27
333	5	0.75	27	0.75	Galvanized	1	1920	$ 65.00	$ 1,755.00	13515	251	$ 32.59
333	5,6	3	105	3	Galvanized	7	1970	$ 131.00	$ 13,755.00	13515	1381	$ 1,405.52
333	5,6	2	15	2	HDPE	1	2015	$ 66.00	$ 990.00	13515	10031	$ 734.79
333	5,6	2	15	2	Iron Pipe	1	2020	$ 116.00	$ 1,740.00	13515	11466	$ 1,476.20
333	1,2	1	61	0.625	Lead	5	1920	$ -	$ -	13515	251	$ -
333	1,2	1	33	0.75	Lead	6	1920	$ -	$ -	13515	251	$ -
333	1,2	1	37	1	Lead	1	1920	$ -	$ -	13515	251	$ -
333	1,2	2	38	2	Lead	2	1920	$ -	$ -	13515	251	$ -
333	5,6	2	0	2	PVC	1	2016	$ 66.00	$ -	13515	10339	$ -
333	5,6	4	15	4	PVC	1	2020	$ 108.00	$ 1,620.00	13515	114666	$ 13,744.65
											TOTAL Account No. 333 Services	**$ 1,321,627.52**

Notes:

1. Service line age has been approximated by the age of the main to which the service connects, except where appropriate based upon known material of construction.

2. Lead services have been identified as having no installation cost as their installation is no longer allowed.

3. Services from 1890 use the 1908 ENR number. ENR only extends back to 1908.

4. Where material is unknown, residential services have been assumed to be 3/4" Copper Services.

5. Service line serves an industrial or commercial user.

6. Where total linear footage was unavailable, an average service length of 15' has been assumed.

Greenville Municipal Water Authority, Mercer County, Pennsylvania
Original Cost of Water System
March 2024
Account No. 341 Transportation Equipment

Account No.	Notes	Description	VIN	Year Constructed	Quantity	Units	Unit Price	Original Cost
		Transportation Equipment						
341	1	F-150 Super Cab 4X4 Pickup Truck-68,000 miles	1FTEX1EM6DFC36383	2013	1	EA	$ 12,899.00	$ 30,000
341	1	F-150 Super Cab 4X4 Pickup Truck-57,000 miles	1FTEX1EP6HFB90361	2017	1	EA	$ 19,083.00	$ 37,080.00
341	1	F-150 Super Cab 4X4 Pickup Truck-10,800 miles	1FTEX1EP3MKD59219	2021	1	EA	$ 33,066.00	$ 39,834.00
341	1,2	F-550 Dump Truck	1FDAF56S8XEB25409	1999	1	EA		$ 27,170.00
341	1,2	F-550 Dump Truck	1FDUF5HY0JEC10623	2018	1	EA		$ 37,550.00
341	1,3	Parker Trailer	13ZHS101181001086	2007	1	EA		$ 3,000.00
							TOTAL Account No. 341 Transportation Equipment	**$ 174,634.00**

Notes:

1. EA -Each

2. No current cost estimated, original MSRP listed

3. Estimated original MSRP based on comparable trailers on the market. Tow behind, single axle, 2,995 GVWR

Greenville Municipal Water Authority, Mercer County, Pennsylvania
Original Cost of Water System
March 2024
Account No. 310 Power Generation Equipment

Account No.	Notes	Description	Year Constructed	Quantity	Units	Unit Price	Current Evaluation	Current ENR Construction Cost Index	Old ENR Construction Cost Index	Original Cost
		Power Generation Equipment								
310	1	John Deere 200 KW Tagalong Diesel Generator	2020	1	EA	$ 112,739.00	$ 112,739.00	13515	11,466	$ 95,646.72
									TOTAL Account No. 310 Power Generation Equipment	**$ 95,646.72**

Notes:

1. EA - Each

ENR'S CONSTRUCTION COST INDEX HISTORY (1990-2024)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1990	4680	4685	4691	4693	4707	4732	4734	4752	4774	4771	4787	4777	**4732**
1991	4777	4773	4772	4766	4801	4818	4854	4892	4891	4892	4896	4889	**4835**
1992	4888	4884	4927	4946	4965	4973	4992	5032	5042	5052	5058	5059	**4985**
1993	5071	5070	5106	5167	5262	5260	5252	5230	5255	5264	5278	5310	**5210**
1994	5336	5371	5381	5405	5405	5408	5409	5424	5437	5437	5439	5439	**5408**
1995	5443	5444	5435	5432	5433	5432	5484	5506	5491	5511	5519	5524	**5471**
1996	5523	5532	5537	5550	5572	5597	5617	5652	5683	5719	5740	5744	**5620**
1997	5765	5769	5759	5799	5837	5860	5863	5854	5851	5848	5838	5858	**5826**
1998	5852	5874	5875	5883	5881	5895	5921	5929	5963	5986	5995	5991	**5920**
1999	6000	5992	5986	6008	6006	6039	6076	6091	6128	6134	6127	6127	**6059**
2000	6130	6160	6202	6201	6233	6238	6225	6233	6224	6259	6266	6283	**6221**
2001	6281	6272	6279	6286	6288	6318	6404	6389	6391	6397	6410	6390	**6343**
2002	6462	6462	6502	6480	6512	6532	6605	6592	6589	6579	6578	6563	**6538**
2003	6581	6640	6627	6635	6642	6694	6695	6733	6741	6771	6794	6782	**6694**
2004	6825	6862	6957	7017	7065	7109	7126	7188	7298	7314	7312	7308	**7115**
2005	7297	7298	7309	7355	7398	7415	7422	7479	7540	7563	7630	7647	**7446**
2006	7660	7689	7692	7695	7691	7700	7721	7722	7763	7883	7911	7888	**7751**
2007	7880	7880	7856	7865	7942	7939	7959	8007	8050	8045	8092	8089	**7966**
2008	8090	8094	8109	8112	8141	8185	8293	8362	8557	8623	8602	8551	**8310**
2009	8549	8533	8534	8528	8574	8578	8566	8564	8586	8596	8592	8641	**8570**
2010	8660	8672	8671	8677	8761	8805	8844	8837	8836	8921	8951	8952	**8799**
2011	8938	8998	9011	9027	9035	9053	9080	9088	9116	9147	9173	9172	**9070**
2012	9176	9198	9268	9273	9290	9291	9324	9351	9341	9376	9398	9412	**9308**
2013	9437	9453	9456	9484	9516	9542	9552	9545	9552	9689	9666	9668	**9547**
2014	9664	9681	9702	9750	9796	9800	9835	9846	9870	9886	9912	9936	**9807**
2015	9972	9962	9972	9992	9979	10039	10037	10039	10065	10128	10092	10092	**10031**
2016	10133	10182	10242	10280	10315	10337	10379	10385	10403	10435	10442	10530	**10339**
2017	10542	10559	10667	10678	10692	10703	10789	10826	10823	10817	10870	10873	**10737**
2018	10878	10889	10959	10972	11013	11069	11116	11124	11170	11183	11184	11186	**11062**
2019	11206	11213	11228	11228	11230	11268	11293	11311	11311	11326	11381	11381	**11281**
2020	11392	11396	11397	11412	11418	11436	11439	11455	11499	11539	11579	11626	**11466**
2021	11628	11699	11750	11849	11990	12112	12237	12463	12464	12464	12467	12481	**12134**
2022	12556	12684	12791	12899	13004	**13111**	**13168**	**13171**	**13173**	**13175**	**13175**	13175	**13007**
2023	13175	13176	13176	13230	13288	13345	13425	13473	13486	13498	13511	13515	**13358**
2024	13515												

ENR ANNUAL AVERAGE (1908-2023)

YEAR	AVG	YEAR	AVG	YEAR	AVG	YEAR	AVG	YEAR	AVG
1908	97	**1934**	198	**1960**	824	**1986**	4295	**2012**	9308
1909	91	**1935**	196	**1961**	847	**1987**	4406	**2013**	9547
1910	96	**1936**	206	**1962**	872	**1988**	4519	**2014**	9807
1911	93	**1937**	235	**1963**	901	**1989**	4615	**2015**	10031
1912	91	**1938**	236	**1964**	936	**1990**	4732	**2016**	10339
1913	100	**1939**	236	**1965**	971	**1991**	4835	**2017**	10737
1914	89	**1940**	242	**1966**	1019	**1992**	4985	**2018**	11062
1915	93	**1941**	258	**1967**	1074	**1993**	5210	**2019**	11281
1916	130	**1942**	276	**1968**	1155	**1994**	5408	**2020**	11466
1917	181	**1943**	290	**1969**	1269	**1995**	5471	**2021**	12134
1918	189	**1944**	299	**1970**	1381	**1996**	5620	**2022**	13007
1919	198	**1945**	308	**1971**	1581	**1997**	5826	**2023**	13358
1920	251	**1946**	346	**1972**	1753	**1998**	5920	**2024**	
1921	202	**1947**	413	**1973**	1895	**1999**	6059	**2025**	
1922	174	**1948**	461	**1974**	2020	**2000**	6221	**2026**	
1923	214	**1949**	477	**1975**	2212	**2001**	6343	**2027**	
1924	215	**1950**	510	**1976**	2401	**2002**	6538	**2028**	
1925	207	**1951**	543	**1977**	2576	**2003**	6694	**2029**	
1926	208	**1952**	569	**1978**	2776	**2004**	7115	**2030**	
1927	206	**1953**	600	**1979**	3003	**2005**	7446	**2031**	
1928	207	**1954**	628	**1980**	3237	**2006**	7751	**2032**	
1929	207	**1955**	660	**1981**	3535	**2007**	7966	**2033**	
1930	203	**1956**	692	**1982**	3825	**2008**	8310	**2034**	
1931	181	**1957**	724	**1983**	4066	**2009**	8570	**2035**	
1932	157	**1958**	759	**1984**	4146	**2010**	8799	**2036**	
1933	170	**1959**	797	**1985**	4195	**2011**	9070	**2037**	

HOW ENR BUILDS THE INDEX: 200 hours of common labor at the 20-city average of common labor rates, plus 25 cwt of standard structural steel shapes at the mill price prior to 1996 and the fabricated 20-city price from 1996, plus 1.128 tons of portland cement at the 20-city price, plus 1,088 board ft of 2 x 4 lumber at the 20-city price.

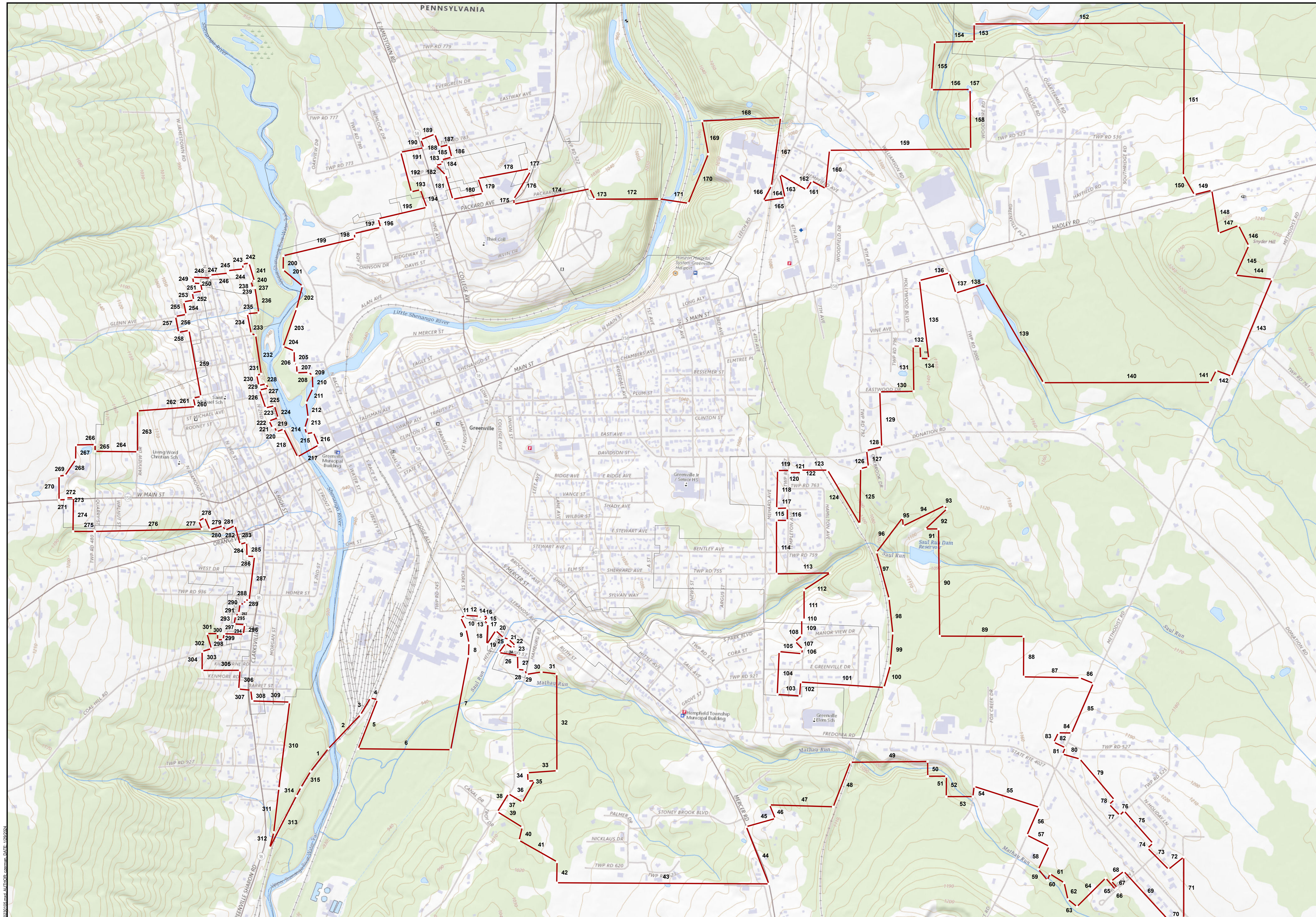
Exhibit 1
Water Service Area Map

PUBLIC COPY

SYSTEM MAPS – REMOVED FOR CONFIDENTIALITY.

SYSTEM MAPS WILL BE FILED WITH THE CONFIDENTIAL DOCUMENTS.

Exhibit 2
Metes and Bounds



USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed May, 2020.

GREENVILLE SERVICE AREA

METES AND BOUNDS

(segment #, distance in feet, and bearing)

1	428.17	S37° 58' 23"W	159	2103.39	N89° 28' 43"E
2	698.24	S43° 34' 24"W	160	572.64	N5° 34' 19"E
3	287.45	S30° 09' 05"W	161	234.96	S61° 28' 02"E
4	108.21	N77° 11' 45"W	162	155.24	N32° 06' 42"E
5	786.18	N21° 23' 59"E	163	454.25	S59° 44' 04"E
6	1378.16	N89° 24' 30"W	164	352.61	N12° 20' 54"W
7	1414.47	S10° 44' 00"W	165	322.59	N81° 36' 02"E
8	200.72	S1° 53' 42"W	166	251.79	S27° 54' 44"W
9	207.75	S11° 26' 57"E	167	1025.15	S7° 37' 50"W
10	189.56	S25° 44' 03"E	168	1171.17	N87° 27' 04"E
11	75.30	S62° 46' 31"W	169	501.43	N10° 38' 02"W
12	207.50	N87° 05' 21"W	170	789.34	N22° 09' 32"E
13	47.54	N49° 56' 48"W	171	433.60	S81° 11' 45"E
14	37.93	S43° 23' 57"W	172	964.92	N89° 38' 51"E
15	67.34	N87° 02' 25"W	173	170.00	S24° 41' 13"E
16	79.68	N42° 05' 04"E	174	1153.37	N78° 32' 19"E
17	72.51	N48° 16' 08"W	175	78.78	S0° 39' 27"E
18	305.44	N2° 47' 59"E	176	474.49	S31° 06' 26"W
19	241.53	S33° 05' 02"W	177	45.62	S19° 32' 15"E
20	156.16	N48° 34' 23"W	178	776.43	N79° 11' 59"E
21	80.95	N72° 09' 55"W	179	232.21	N18° 09' 28"W
22	137.76	N46° 10' 07"W	180	458.33	N78° 40' 28"E
23	53.68	N53° 10' 24"E	181	379.56	S16° 24' 32"E
24	121.40	S57° 17' 35"E	182	200.48	S44° 40' 09"E
25	166.86	N35° 46' 57"E	183	100.85	S76° 31' 20"W
26	278.84	N80° 44' 45"W	184	59.47	S14° 06' 06"E
27	208.24	N0° 59' 12"W	185	155.38	S75° 03' 18"W
28	103.85	N85° 10' 12"W	186	191.51	S14° 23' 35"E
29	69.05	N22° 44' 30"W	187	138.86	N76° 31' 43"E
30	222.43	S80° 58' 47"W	188	202.74	S20° 06' 13"E
31	231.00	N83° 31' 51"W	189	223.79	N68° 37' 09"E
32	1442.58	N0° 05' 19"W	190	128.05	N19° 45' 03"W
33	438.14	N86° 07' 53"E	191	347.93	N79° 02' 47"E
34	126.14	N3° 44' 55"W	192	610.16	N14° 52' 54"W
35	95.14	S87° 07' 26"W	193	138.24	S77° 29' 36"W
36	363.91	N29° 34' 00"E	194	279.70	N19° 59' 00"W
37	241.96	S59° 16' 34"E	195	742.76	N76° 54' 29"E
38	314.50	N31° 23' 49"E	196	134.71	N15° 02' 58"W
39	434.81	N58° 17' 31"W	197	399.11	N77° 00' 33"E
40	201.65	N13° 19' 26"E	198	77.82	N5° 03' 41"W
41	647.52	N60° 29' 30"W	199	1095.48	N76° 31' 57"E
42	312.28	N0° 41' 41"E	200	209.93	N0° 26' 10"E
43	3157.02	N89° 42' 05"W	201	373.21	N50° 04' 38"W
44	914.02	S21° 30' 48"E	202	352.63	N14° 22' 58"E
45	446.46	S74° 13' 40"W	203	591.01	N19° 36' 39"E
46	219.23	S22° 02' 09"E	204	176.50	N67° 48' 03"W
47	946.35	N88° 16' 03"W	205	180.14	N0° 33' 47"W
48	711.02	S21° 13' 17"W	206	45.85	N48° 58' 31"W
49	1148.36	S89° 24' 47"W	207	117.66	N2° 20' 06"W
50	217.69	N0° 33' 02"W	208	174.09	S87° 23' 35"W
51	278.06	N89° 58' 01"W	209	70.90	N50° 49' 57"W
52	303.72	N0° 36' 10"E	210	197.44	N1° 56' 42"W
53	396.08	N89° 53' 13"W	211	230.60	N24° 57' 50"E
54	153.05	S6° 58' 04"W	212	216.05	N7° 30' 46"W
55	1017.12	N72° 17' 33"W	213	168.28	N16° 50' 35"E
56	455.28	N23° 39' 28"E	214	90.94	N16° 21' 56"W
57	368.37	N63° 29' 17"W	215	104.33	S81° 22' 04"W
58	379.06	N24° 46' 52"E	216	200.46	N22° 06' 47"W
59	208.95	N40° 08' 11"W	217	358.17	N60° 51' 57"E
60	99.75	S22° 57' 01"W	218	461.41	S26° 27' 05"E
61	247.61	N57° 42' 07"W	219	112.87	N69° 13' 53"E
62	253.31	N13° 04' 50"W	220	76.50	S24° 21' 13"E
63	172.66	N51° 33' 59"W	221	31.05	N70° 10' 51"E
64	602.27	S45° 07' 55"W	222	113.53	S26° 59' 34"E
65	220.39	N40° 35' 25"W	223	143.20	S70° 27' 35"W
66	37.61	S47° 45' 01"W	224	187.13	S17° 38' 50"E
67	131.71	S42° 18' 39"E	225	134.91	N76° 38' 50"E
68	236.23	S52° 21' 53"W	226	281.21	S18° 49' 58"E
69	1050.13	N42° 29' 09"W	227	134.86	S77° 45' 41"W
70	199.96	S65° 35' 17"W	228	69.87	S30° 00' 16"E
71	904.62	S0° 01' 08"E	229	107.31	N77° 47' 09"E
72	289.76	N51° 03' 38"E	230	156.83	S12° 09' 06"E
73	443.41	S44° 41' 23"E	231	71.23	S74° 12' 01"W
74	106.42	S47° 23' 01"W	232	582.84	S8° 28' 49"E
75	643.90	S41° 25' 30"E	233	68.01	S68° 50' 36"E
76	92.35	N46° 02' 48"E	234	300.81	S11° 29' 37"E
77	222.70	S44° 10' 30"E	235	172.53	S84° 39' 13"W
78	102.65	S46° 26' 51"W	236	376.98	S8° 46' 13"E
79	794.44	S40° 19' 17"E	237	24.39	N87° 17' 17"E
80	267.97	S74° 09' 58"E	238	4.37	N87° 24' 55"E
81	104.61	S23° 30' 41"W	239	99.68	S16° 20' 17"E
82	189.81	S64° 29' 15"E	240	47.53	S83° 36' 53"W
83	155.03	S25° 33' 31"W	241	276.80	S16° 39' 59"E
84	199.84	N89° 19' 38"W	242	97.67	N80° 59' 34"E
85	805.79	S23° 30' 56"W	243	71.48	N9° 09' 38"W
86	218.54	S67° 40' 32"E	244	230.64	N83° 49' 51"E
87	835.75	S89° 03' 05"E	245	37.09	N3° 43' 50"W
88	600.03	S0° 11' 08"W	246	267.94	N83° 44' 17"E
89	1251.82	S89° 45' 44"E	247	42.87	N10° 50' 17"W
90	1597.04	S0° 33' 04"E	248	266.86	S87° 51' 00"E
91	194.24	N89° 40' 52"E	249	90.73	N7° 36' 16"W
92	432.81	S46° 48' 42"W	250	103.92	N87° 58' 36"W
93	61.39	S34° 45' 08"E	251	114.28	N11° 52' 09"W
94	684.13	N63° 49' 25"E	252	147.87	N79° 42' 31"E
95	118.90	S3° 59' 27"E	253	110.64	N11° 06' 48"W
96	641.42	N37° 18' 46"E	254	152.54	N79° 47' 28"E
97	714.52	N15° 11' 06"W	255	190.65	N11° 18' 10"W
98	517.60	N6° 11' 00"W	256	161.75	N79° 46' 06"E
99	487.54	N4° 24' 08"E	257	243.36	N11° 22' 51"W
100	336.63	N15° 50' 53"E	258	155.25	S78° 28' 10"W
101	1245.66	S86° 15' 31"E	259	1000.64	N10° 19' 23"W
102	205.48	N3° 59' 56"E	260	116.42	N77° 36' 20"E
103	333.81	S86° 11' 59"E	261	130.59	N12° 17' 54"W
104	636.84	S2° 37' 55"W	262	860.00	N85° 51' 16"E
105	334.34	N84° 57' 11"W	263	610.45	N0° 03' 45"W
106	68.77	S13° 19' 18"W	264	633.83	S89° 19' 01"E
107	158.86	S43° 36' 22"E	265	101.31	S0° 34' 32"E
108	129.54	S48° 17' 59"W	266	286.54	N88° 51' 40"E
109	233.15	S0° 08' 19"E	267	222.00	N0° 01' 34"E
110	35.28	S89° 09' 54"W	268	282.13	N34° 21' 56"E
111	445.91	S0° 07' 55"E	269	88.49	N86° 10' 49"E
112	463.85	S56° 47' 57"W	270	357.84	N0° 06' 12"E
113	798.34	N88° 50' 52"E	271	103.36	S87° 40' 41"W
114	798.84	S0° 04' 40"E	272	25.27	S0° 51' 43"W
115	160.82	N89° 35' 32"W	273	109.88	S88° 16' 54"W
116	182.95	S0° 24' 44"W	274	501.39	N0° 36' 57"E
117	158.40	N88° 26' 39"E	275	323.86	N89° 50' 09"W
118	564.75	S1° 24' 41"W	276	1596.90	S88° 44' 06"W
119	176.15	N89° 51' 25"W	277	130.15	S22° 50' 38"E
120	34.34	N0° 20' 35"E	278	103.22	S60° 12' 54"W
121	173.44	S89° 40' 39"W	279	196.75	N22° 44' 56"W
122	38.64	S0° 27' 51"W	280	203.42	S74° 00' 07"W
123	393.27	S89° 59' 36"W	281	72.15	N27° 33' 04"W
124	931.13	N30° 58' 12"W	282	161.92	S63° 31' 34"W
125	820.88	S0° 57' 42"W	283	290.21	N15° 36' 35"W
126	117.05	S75° 44' 11"W	284	101.72	S74° 12' 28"W
127	241.32	S6° 04' 37"E	285	205.20	N1° 22' 52"W
128	232.77	S75° 55' 35"W	286	110.79	N87° 33' 42"W
129	819.42	S1° 57' 01"E	287	653.50	N7° 02' 02"E
130	504.73	S89° 11' 15"W	288	61.95	N89° 05' 01"E
131	671.63	S0° 50' 03"E	289	57.50	N8° 21' 51"E
132	104.82	N89° 50' 28"W	290	63.10	N89° 22' 41"E
133	180.66	N1° 36' 43"W	291	140.06	N9° 07' 10"E
134	122.29	N87° 51' 00"W	292	63.09	N48° 00' 35"E
135	1172.21	S6° 43' 36"E	293	120.93	N9° 16' 18"E
136	456.45	S75° 55' 28"W	294	2.44	N86° 18' 45"W
137	315.69	N18° 17' 45"W	295	152.11	N86° 25' 43"W
138	465.16	S72° 20' 45"W	296	143.44	N6° 59' 15"E
139	1706.73	N30° 17' 26"W	297	287.30	S88° 22' 02"E
140	2482.65	S89° 55' 09"W	298	87.27	N8° 44' 19"E
141	197.58	S26° 18' 32"W	299	83.65	N87° 20' 04"E
142	240.87	N69° 38' 25"W	300	91.13	S0° 21' 47"W
143	1563.11	S22° 46' 33"W	301	158.41	S89° 52' 06"E
144	544.93	S83° 29' 15"E	302	234.05	N16° 33' 30"W
145	480.61	S24° 09' 27"W	303	144.23	N73° 02' 27"E
146	337.03	S26° 45' 59"E	304	281.19	N0° 04' 54"E
147	319.11	N68° 51' 41"E	305	564.79	S89° 45' 45"W
148	648.26	S8° 56' 09"E	306	281.39	N4° 34' 50"E
149	267.75	N75° 41' 54"E	307	181.38	N85° 11' 07"W
150	328.61	S29° 58' 07"E	308	162.80	N7° 31' 30"W
151	2271.06	S0° 22' 58"W	309	556.84	N88° 11' 16"W
152	3129.00	N89° 43' 26"E	310	1295.09	N7° 06' 28"E
153	259.68	N0° 18' 17"E	311	655.88	N6° 28' 06"E
154	588.31	N89° 03' 54"E	312	238.52	N14° 39' 06"E
155	711.15	N3° 26' 04"E	313	865.78	S27° 09' 10"W
156	567.50	S89° 37' 42"W	314	144.73	S27° 50' 05"W
157	4.47	N76° 25' 42"W	315	280.51	S31° 20' 39"W
158	883.47	N0° 32' 58"W			

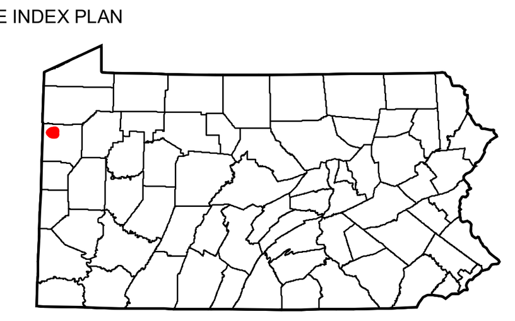
GREENVILLE WATER AUTHORITY

MERCER COUNTY, PENNSYLVANIA

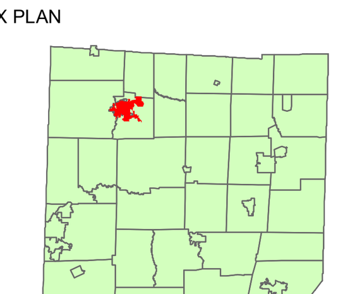
PROPOSED SERVICE TERRITORY

METES AND BOUNDS

STATE INDEX PLAN



COUNTY INDEX PLAN



Legend

Water Service Area

Note

Bearings, distances, area obtained from Pennsylvania County and Municipal boundaries and parcel shapefiles. The subject service area bearings, distances and area do not result from a physical survey on the ground and are approximate and not intended to represent a legal description of property.

DATA CREDITS

Water Data: GWA & Entech Engineering
Local Road: PennDOT 2022
State Road: PennDOT 2022
Parcel: County of Mercer PA 2022
Municipal Boundary: PennDOT 2022
County Boundary: PennDOT 2022

STATEMENT OF ACCURACY

Unless otherwise noted, locations of map features should be considered approximate. Data was incorporated as the best available information at the time of mapping, and may not be accurate, complete, or current. The mapped data does not constitute a legal survey, and discretion should be exercised when using the information for engineering design purposes.

0 700 1,400 Feet

N

DATE	REV	ISSUED FOR / REVISED	TECH	APPD
01/05/2024	0	CLIENT REVIEW	CRZ	BAK

ENTECH ENGINEERING 1.800.825.1372 www.entecheng.com

DATE	PREPARED	CHECKED	PROJECT ENGINEER
01/05/2024	CRZ	PRB	BAK

PROJECT	SCALE	DRAWING NO.
5511.112	1 " = 700 '	EXH-2

Exhibit 3

Water System Map with Municipal Boundaries

PUBLIC COPY

SYSTEM MAPS – REMOVED FOR CONFIDENTIALITY.

SYSTEM MAPS WILL BE FILED WITH THE CONFIDENTIAL DOCUMENTS.