

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRINKING WATER STATE REVOLVING FUND
FEDERAL FY2023 - PROJECT PRIORITY LIST
UPDATED MAY 10, 2023**

EXPLANATION OF HEADINGS (EXCEPT THOSE THAT ARE SELF-EXPLANATORY)

PROJECT TYPE:

- SRC - SOURCE
- TRANS - TRANSMISSION SYSTEM
- PS - PUMP STATION
- WS - WATER STORAGE
- DS - DISTRIBUTION SYTEM
- METERS- WATER METERS
- LDE - LEAK DETECTION SYSTEM
- TREAT - TREATMENT SYSTEM

PWSID - PUBLIC WATER SYSTEM ID NUMBER

LEGEND FOR PROJECT TYPE:

SRC = SOURCE TRANS = TRANSMISSION SYSTEM TREAT=TREATMENT WS = WATER STORAGE DS = DISTRIBUTION SYSTEM

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 UPDATED MAY 10, 2023**

APPLICANT NAME: PITTSBURGH WATER & SEWER AUTHORITY - 2023 PWSA NEIGHBORHOOD LSL REPLAC	REGION: V	DEP PROJECT RATING: 92
STREET ADDRESS: 441 SMITHFIELD ST.	PWSID: 5020038	PROJRANK: 1
CITY: PITTSBURGH	FUND SOURCE: DWSRF	PROJECT COST: \$13,354,750
COUNTY: ALLEGHENY	MTGDATE: 1/12/2023	PROJECT TYPE: LSL

PROJ. DESCRIPTION: Pittsburgh Water and Sewer Authority estimates that the project will work at 1,200 homes and replace 600 public and 388 private lead service lines.

PROB. DESCRIPTION: PWSA's goal is to remove all lead service lines by 2026. Neighborhoods are selected based on a prioritization formula developed by PWSA in consultation with their Community Lead Response Advisory Committee (CLRAC). On a census tract basis, the formula considers 1) the number of children under 6 years of age and women of child bearing age, 2) blood lead level data from County Health Department, 3) the number of lead and unknown service lines in PWSA's inventory and 4) income level. Once the prioritization model is run for the PWSA water service area, Level 5 (highest priority) are selected first, and then Level 4 Neighborhoods follow. For this project, neighborhoods within an Environmental Justice Area (as defined by the Pennsylvania Department of Environmental Protection) are further prioritized, and the Level 4 and 5 Neighborhoods are further ranked by income.

POPULATION: 520,000	PV RATING: 127
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

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UPDATED MAY 10, 2023

APPLICANT NAME: PITTSBURGH WATER & SEWER AUTHORITY - 2022 SMALL DIA. MAIN REPL. (LSL)	REGION: III	DEP PROJECT RATING: 91
STREET ADDRESS: 441 SMITHFIELD ST.	PWSID: 5020038	PROJRANK: 2
CITY: PITTSBURGH	FUND SOURCE: DWSRF	PROJECT COST: \$7,836,396
COUNTY: ALLEGHENY	MTGDATE: 10/19/2022	PROJECT TYPE: DS, LSL

PROJ. DESCRIPTION: Project includes service lines replacement for approximately 752 customers, including an estimated 382 public lead service lines and 477 private lead service lines. Some customers will require both public and private side replacement while others will only receive either public or private replacement based upon where the lead is located.

PROB. DESCRIPTION: Water mains in Pittsburgh Water and Sewer Authority's distribution system have been prioritized for replacement based on a number of risk-factors, including the prioritization of undersized mains, and mains with a history of breaks. Replacement of these mains will reduce the frequency of water main breaks, which will minimize the risk to public health caused by the resulting potential exposure to infectious diseases and will reduce the impact of unplanned water outages and street closures required due to emergency repairs. The replacement of older, leak prone mains will also provide for more efficient management of water resources by reducing the amount of treated water that is lost from the system. Furthermore, the additional volume of water that will be able to be delivered to areas with inadequate flow will reduce restrictions on development within the affected areas. The water main replacement work will occur within the City of Pittsburgh and will benefit the existing population within the area and provide improved opportunities for future development.

POPULATION: 370,000	PV RATING: 126
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

LEGEND FOR PROJECT TYPE:

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UPDATED MAY 10, 2023

APPLICANT NAME: NORTHERN CAMBRIA MA- MILLER HOLLOW TREATMENT FACILITY & SOURCE IMP	REGION: V	DEP PROJECT RATING: 75
STREET ADDRESS: 1202 PHILADELPHIA AVE.	PWSID: 4110003	PROJRANK: 3
CITY: NORTHERN CAMBRIA	FUND SOURCE: DWSRF	PROJECT COST: \$11,739,155
COUNTY: CAMBRIA	MTGDATE: 7/20/2022	PROJECT TYPE: SRC, TREAT

PROJ. DESCRIPTION: Proposed project is for the permitting and construction of an upgraded Miller Hollow Treatment Plant, to provide continuous filtration and disinfection. The new treatment plant will include a microfiltration membrane filter to meet filtration requirements followed by a reverse osmosis membrane filter for sulfate removal. The treatment plant will include pretreatment chemical feed systems, as well as chemical feed systems for filter maintenance and disinfection. Treatment systems will be installed for the neutralization of wastewater generated during the cleaning process. Along with the new plant, the project will also include a new intake structure for the Miller Hollow Mine source. A new raw water pump station will also be constructed along with the necessary transmission main.

PROB. DESCRIPTION: Northern Cambria Municipal Authority currently owns and operates a public water supply system in Susquehanna Township, Northern Cambria Borough, and Spangler Borough, Cambria County. A water source for the Authority, the Miller Hollow Mine source, is designated as a GUDI (groundwater under direct influence of surface water). All GUDI sources, within 48 months of the source being determined GUDI, must be treated via continuous filtration and disinfection. The Miller Hollow Mine source currently only receives disinfection via sodium hypochlorite, and also has sulfate levels exceeding the secondary maximum contaminant level (MCL). To resolve these issues, the Department has entered into a Consent Order and Agreement with Northern Cambria Municipal Authority to design, permit, and operate additional treatment facilities for the Miller Hollow Mine source.

POPULATION: 4,500	PV RATING: 102
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

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APPLICANT NAME: BENTON MUNICIPAL WATER AND SEWER AUTHORITY	REGION: IV	DEP PROJECT RATING: 75
STREET ADDRESS: P O BOX P	PWSID: 4190014	PROJRANK: 4
CITY: BENTON	FUND SOURCE: DWSRF	PROJECT COST: \$2,300,000
COUNTY: COLUMBIA	MTGDATE: 1/12/2023	PROJECT TYPE: TREAT

PROJ. DESCRIPTION: Proposed project consists of two (2) phases that ultimately will ensure that water treatment plant (WTP) is capable of automatic shutdown before any non-compliant water reaches the distribution system. Phase 1 – Instrumentation and control improvements to enable WTP to alarm and shutdown automatically based on pre-determined turbidity and residual chlorine setpoints. Phase 2 – Installation of a second water storage tank downstream of the existing finished water storage tank and relocation of entry point to a meter vault between the two water storage tanks. In this arrangement, all water that reaches the second tank would be compliant and can be isolated from the WTP without depressurizing the distribution system.

PROB. DESCRIPTION: The BMWSA recently entered into a Consent Order and Agreement (COA) with the PA Department of Environmental Protection (DEP) to address deficiencies in monitoring and automatic shutdown provisions identified during the 2018 Filter Plant Performance Evaluation (FPPE). A Corrective Action Plan (CAP) was submitted on January 29, 2021 that identified the improvements necessary to bring BMWSA into compliance on an interim and final basis.

POPULATION: 1,100	PV RATING: 94
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

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APPLICANT NAME: PITTSBURGH WATER & SEWER AUTHORITY - 2022 SMALL DIA. MAIN(NON-LEAD)	REGION: III	DEP PROJECT RATING: 56
STREET ADDRESS: 441 SMITHFIELD ST.	PWSID: 5020038	PROJRANK: 5
CITY: PITTSBURGH	FUND SOURCE: DWSRF	PROJECT COST: \$75,529,516
COUNTY: ALLEGHENY	MTGDATE: 10/19/2022	PROJECT TYPE: DS

PROJ. DESCRIPTION: Project includes replacement of approximately 63,000 feet (12 miles) of 8-inch and 12-inch waterlines. Existing pipes are older, leak-prone and undersized mains.

PROB. DESCRIPTION: Water mains in Pittsburgh Water and Sewer Authority's distribution system have been prioritized for replacement based on a number of risk-factors, including the prioritization of undersized mains, and mains with a history of breaks. Replacement of these mains will reduce the frequency of water main breaks, which will minimize the risk to public health caused by the resulting potential exposure to infectious diseases and will reduce the impact of unplanned water outages and street closures required due to emergency repairs. The replacement of older, leak prone mains will also provide for more efficient management of water resources by reducing the amount of treated water that is lost from the system. Furthermore, the additional volume of water that will be able to be delivered to areas with inadequate flow will reduce restrictions on development within the affected areas. The water main replacement work will occur within the City of Pittsburgh and will benefit the existing population within the area and provide improved opportunities for future development.

POPULATION: 370,000	PV RATING: 87
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

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APPLICANT NAME: CRESSON TWP MA MUNSTER WATER SYSTEM EXTENSION	REGION: VI	DEP PROJECT RATING: 52
STREET ADDRESS: 740 PORTAGE ROAD	PWSID: 4110038	PROJRANK: 6
CITY: CRESSON	FUND SOURCE: DWSRF	PROJECT COST: \$1,850,000
COUNTY: CAMBRIA	MTGDATE: 4/19/2023	PROJECT TYPE: DS

PROJ. DESCRIPTION: Cresson Township Municipal Authority (Authority) currently owns and operates a public water system in Cresson Township, Cambria County serving approximately 657 residential, 26 commercial, and 12 institutional customers. The Authority intends to use Pennsylvania Infrastructure Investment Authority funds to construct a water system extension project to serve certain existing residences and businesses along Admiral Peary Highway in Munster and Cresson Townships. The lack of a water distribution system provides inadequate fire protection due to distance from water mains and limited capacity of existing water storage. Furthermore, existing individual wells have quantity and quality limitations. These problems are to be addressed by constructing approximately 18,500 linear feet of 8-inch diameter main from the Authority's system to provide water service to serve 51 new customers and add 26 new fire hydrants and 1,000 gallon per minute of fire flow. This water main diameter will allow all anticipated routine water draws to occur without materially affecting system pressure.

PROB. DESCRIPTION: The properties in the proposed project area are served by individual wells. There are 15 wells that are contaminated with coliforms (two containing E. Coli). The project will also replace the Keystone Restaurant/Truck Stop water system (PWS ID No. 4110837) and serve other commercial establishments. Nearly all wells are negatively impacted by malfunctioning on-lot disposal systems. These problems are caused by poor soil conditions, the age of the systems, existing lot sizes, and steep slopes. Project will eliminate individual wells and supply potable water to the service area.

POPULATION: 2,500	PV RATING: 77
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

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APPLICANT NAME: SCHUYLKILL COUNTY MUNICIPAL AUTHORITY POTTSVILLE WATER MAIN REPL. 2023	REGION: II	DEP PROJECT RATING: 47
STREET ADDRESS: 221 S CENTRE STREET	PWSID: 3540038	PROJRANK: 7
CITY: POTTSVILLE	FUND SOURCE: DWSRF	PROJECT COST: \$3,441,200
COUNTY: SCHUYLKILL	MTGDATE: 4/19/2023	PROJECT TYPE: DS

PROJ. DESCRIPTION: SCMA has proposed a distribution system replacement project to address high unaccounted for water losses (37.41%), mitigate leaks, improve fire protection and pressures, and improve service to existing customers as the lines (1900s) are aging, leaking and in need of replacement. The project includes replacement of approximately 6,900 linear feet of old 6-inch cast iron water mains with lead joints along West Railroad Street and North Centre Street; Fairview Street; West Race Street; and Pierce Street in the City of Pottsville, Schuylkill County. The new 6-inch/8-inch DI water main replacements will include replacement of fire hydrants, valves, and all necessary associated appurtenances. The project will include engineering design, bid, and construction phase services; construction costs related to water main replacement; and related costs. Proposed improvements will enhance SCMA's ability to operate and maintain the system and increase the reliability of service.

PROB. DESCRIPTION: The Schuylkill County Municipal Authority (SCMA) has proposed a distribution system replacement project to address high unaccounted for water losses (37.41%), mitigate leaks, improve fire protection, and improve service to existing customers as the waterlines (1900s) are aging, leaking and in need of replacement. The project includes replacement of approximately 6,900 linear feet of old 6-inch cast iron water mains with lead joints along West Railroad Street and North Centre Street; Fairview Street; West Race Street; and Pierce Street in the City of Pottsville, Schuylkill County. The new 6-inch/8-inch DI water main replacements will include replacement of fire hydrants, valves, and all necessary associated appurtenances. The project will include engineering design, bid, and construction phase services; construction costs related to water main replacement; and related costs.

POPULATION: 31,850	PV RATING: 62
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

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APPLICANT NAME: AQUA PENNSYLVANIA -LEAD AND GALVANIZED SERVICE LINE REPL. WEST CHESTER	REGION: I	DEP PROJECT RATING: 45
STREET ADDRESS: 762 LANCASTER AVE	PWSID: 1150098	PROJRANK: 8
CITY: BRYN MAWR	FUND SOURCE: DWSRF	PROJECT COST: \$6,000,000
COUNTY: CHESTER	MTGDATE: 1/12/2023	PROJECT TYPE: LSL

PROJ. DESCRIPTION: Aqua PA proposes to replace 450 lead and galvanized service lines identified in the Aqua West Chester service area. Replacement of the lines will continue Aqua's compliance with the Lead and Copper Rule.

PROB. DESCRIPTION: Aqua PA has identified 450 lead and galvanized service lines located in 5 municipalities within the Aqua West Chester service area. Identification of these water lines was found through field observation and tap records.

POPULATION: 33,918	PV RATING: 60
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: CITY OF PHILADELPHIA 2024 LINEAR ASSETS - WATER	REGION: I	DEP PROJECT RATING: 45
STREET ADDRESS: 1101 MARKET STREET	PWSID: 1510001	PROJRANK: 9
CITY: PHILADELPHIA	FUND SOURCE: DWSRF	PROJECT COST: \$31,125,965
COUNTY: PHILADELPHIA	MTGDATE: 4/19/2023	PROJECT TYPE: DS,

PROJ. DESCRIPTION: The City of Philadelphia is proposing to replace water mains and service line connections within 16 sections of the city, overall, installing approximately 55,000 feet of piping.

PROB. DESCRIPTION: The Philadelphia Water Department is owned and operated by the City of Philadelphia. The Water Department has experienced frequent watermain leaks and breaks throughout its distribution system. Water loss has been on an increase over the past few years, bringing current water loss to 17%. Many of the aging waterlines within the system are nearly 100 years old, beyond its useful life and in need of replacement.

POPULATION: 1,600,0	PV RATING: 60
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

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APPLICANT NAME: WEST VIEW WATER AUTHORITY - LEAD SERVICE LINE REPLACEMENT - PHASE 2	REGION: V	DEP PROJECT RATING: 45
STREET ADDRESS: 210 PERRY HIGHWAY	PWSID: 5020043	PROJRANK: 10
CITY: PITTSBURGH	FUND SOURCE: DWSRF	PROJECT COST: \$8,000,000
COUNTY: ALLEGHENY	MTGDATE: 1/12/2023	PROJECT TYPE: LSL, DS, METERS

PROJ. DESCRIPTION: This project is the second phase of West View Water Authority's ongoing lead service line replacement plan. The plan for this project is to provide full replacement of approximately 750 lead service lines which will include the installation of approximately 28,000 linear feet of 1-inch copper pipe, 400 corporation stops, 500 expansion tanks, 700 curb boxes and valves, and 700 water meters and associated appurtenances. The project will also include site restoration of roads, sidewalks, landscaping, driveways, walls, steps, and other items necessary to return the site to pre-construction conditions.

PROB. DESCRIPTION: West View Water Authority has a large number of services lines that are at least partially constructed of lead pipe. Lead is a serious health issue and lead pipes are one of the biggest sources of lead in a water system. The project will eliminate lead pipe for approximately 750 service lines. It is expected that the 750 service lines replaced will be lead on either the private side or the public side, or on both sides. Replacement of the services lines will include both the public and private side, as necessary to eliminate lead and galvanized piping.

POPULATION: 200,000	PV RATING: 80
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

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APPLICANT NAME: PERKASIE REGIONAL AUTHORITY PFAS LINE EXTENSION	REGION: I	DEP PROJECT RATING: 45
STREET ADDRESS: PO BOX 159	PWSID: 1090046	PROJRANK: 11
CITY: PERKASIE	FUND SOURCE: DWSRF	PROJECT COST: \$3,680,000
COUNTY: BUCKS	MTGDATE: 1/12/2023	PROJECT TYPE: DS

PROJ. DESCRIPTION: Perkasio Borough Authority is proposing to install 6,000 linear feet of 8-inch water main for the connection of the 53 private wells impacted by the PFAS contamination. An additional 4 connections will be provided for vacant lots.

PROB. DESCRIPTION: Perkasio Borough Authority is proposing to install 6,000 linear feet of 8-inch water main for the connection of the 53 private wells impacted by the contamination. An additional 4 connections will be provided for vacant lots. Project will eliminate private wells and supply potable water to the new service area.

POPULATION: 15,000	PV RATING: 60
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: CLINTONVILLE BOROUGH SEWER AND WATER AUTHORITY - NEW WATER TANK	REGION: VI	DEP PROJECT RATING: 43
STREET ADDRESS: P O BOX 292	PWSID: 6610016	PROJRANK: 12
CITY: CLINTONVILLE	FUND SOURCE: DWSRF	PROJECT COST: \$2,396,300
COUNTY: VENANGO	MTGDATE: 4/19/2023	PROJECT TYPE: WS

PROJ. DESCRIPTION: Proposed project includes construction of a new elevated tank with a 70 foot pedestal to allow 100% of the tank volume to be utilized without pressure falling below 20psig. New tank will be built next to the existing standpipe. The new tank will be glass lined to minimize required maintenance and will have compressed air mixture equipments installed.

PROB. DESCRIPTION: Clintonville Borough Authority owns and operate a 100,000 gallon potable water standpipe which is in service since mid 1970s and is on poor condition. Based on recent inspection interior of the tank is suffering from severe corrosion and large deposits of sediments. New tank will help system supply potable water at proper pressure to the service area.

POPULATION: 695	PV RATING: 70
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

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APPLICANT NAME: WILKINSBURG-PENN JOINT WATER AUTHORITY - LSL REPLACEMENT PHASE 2	REGION: V	DEP PROJECT RATING: 42
STREET ADDRESS: 2200 ROBINSON BOULEVARD	PWSID: 5020056	PROJRANK: 13
CITY: WILKINSBURG	FUND SOURCE: DWSRF	PROJECT COST: \$9,691,212
COUNTY: ALLEGHENY	MTGDATE: 1/12/2023	PROJECT TYPE: LSL

PROJ. DESCRIPTION: Project includes replacement of 1,000 lead service lines. This also includes the installation of approximately 5,000 linear feet of new 1-inch copper water service lines, 1,000 curb boxes, and associated surface restoration.

PROB. DESCRIPTION: There are approximately 5,000 known lead service line on either the authority side, customer side, or both. Lead service lines can lead to contamination of public drinking water and threaten public health.

POPULATION: 125,000	PV RATING: 87
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: EAST COCALICO TOWNSHIP AUTHORITY PRO-FI DW SYSTEM IMPROVEMENT	REGION: III	DEP PROJECT RATING: 42
STREET ADDRESS: P.O. BOX 402	PWSID: 7360113	PROJRANK: 14
CITY: REAMSTOWN	FUND SOURCE: DWSRF	PROJECT COST: \$9,000,000
COUNTY: LANCASTER	MTGDATE: 1/12/2023	PROJECT TYPE: DS, WS

PROJ. DESCRIPTION: This is a programmatic financing application which includes 5 phases. Phases 1, 2, 4, and 5 consist of replacement of existing 6-inch water mains. These phases consist of replacement of the existing water mains with 8-inch ductile iron cement-lined water main, with new valves, laterals, and fire hydrants. The new water mains will be installed within the street or street right-of-way, and will be offset from the existing main and other utilities to maintain public water service during construction. Phase 3 consists of rehabilitation of the existing 3.0 million gallon water storage tank, and installation of a mixing system.

PROB. DESCRIPTION: Water authority has experienced frequent water main breaks in several areas which consist of 6-inch cast iron water main that is reaching the end of its useful life. The 3-million-gallon storage tank is over 30 years old and requires repainting to prevent deterioration of the structure in order to continue to provide critical storage for the drinking water system.

POPULATION: 6,735	PV RATING: 47
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

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APPLICANT NAME: NORTHAMPTON BOROUGH MA - CEMENTON TANKS	REGION: II	DEP PROJECT RATING: 40
STREET ADDRESS: 1717 MAIN STREET PO BOX 156	PWSID: 3480057	PROJRANK: 15
CITY: NORTHAMPTON	FUND SOURCE: DWSRF	PROJECT COST: \$5,707,000
COUNTY: LEHIGH	MTGDATE: 1/12/2023	PROJECT TYPE: DS, WS

PROJ. DESCRIPTION: Northampton Borough Municipal Authority (NBMA) proposes a distribution storage tanks improvement project located in Whitehall Township, Lehigh County. The proposed project consists of the rehabilitation of the exterior and interior of a prestressed concrete 2.0 million gallon (MG) finished water storage tank known as Cementon Tank No. 1 which is used for distribution storage. Improvements generally including reparation/cleaning and painting/coating of the interior and exterior of the tank, mixer installation, vent replacement and other ancillary repairs deemed necessary based on current observations and a scheduled future tank inspection. This existing distribution system storage tank was constructed in the 1970s and is aging and in need of repair and rehabilitation. The proposed project also includes the construction of a 3.0 MG prestressed concrete storage tank to be used for distribution storage to enable NBMA continue to meet current and future system demands for domestic, commercial and fire flow needs. Also, approximately 200-250 feet of 16-inch/20-inch diameter piping will also be installed as part of the project. The improvements will enhance NBMA's ability to operate and maintain the system and increase the reliability of service.

PROB. DESCRIPTION: Northampton Borough Municipal Authority (NBMA) proposes a distribution storage tanks improvement project located in Whitehall Township, Lehigh County. The project will consist of the rehabilitation of an existing, prestressed concrete storage tank and the construction of a new prestressed concrete storage tank at the same site to ensure adequate supply and fire protection needs are met by the system. The tanks are used for distribution storage and not for contact time. The existing, concrete 2.0-million-gallon Cementon Tank No. 1 was built in the 1970s and is aging and in need or rehabilitation. The construction of a new 3.0 MG concrete storage tank to be known as the Cementon Tank No. 2 at the same site location is needed to ensure adequate system supply is met and adequate supply for fire protection is provided to customers.

POPULATION: 40,000	PV RATING: 55
GREEN PROJECT: No	GREEN CATEGORY:
BUSINESS CASE:	GREEN AMOUNT: \$0

LEGEND FOR PROJECT TYPE:

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APPLICANT NAME: SCHUYLKILL COUNTY MUNICIPAL AUTHORITY POTTSVILLE LSL REPLACEMENT 2023	REGION: II	DEP PROJECT RATING: 40
STREET ADDRESS: 221 S CENTRE STREET	PWSID: 3540038	PROJRANK: 16
CITY: POTTSVILLE	FUND SOURCE: DWSRF	PROJECT COST: \$5,240,100
COUNTY: SCHUYLKILL	MTGDATE: 4/19/2023	PROJECT TYPE: LSL

PROJ. DESCRIPTION: The Schuylkill County Municipal Authority (SCMA) proposes a lead service line replacement project in the City of Pottsville, Schuylkill County. SCMA proposes the replacement of approximately 360 public and private lead and/or galvanized service lines along West Railroad Street and North Centre Street; Fairview Street; West Race Street; and Pierce Street in the City of Pottsville, Schuylkill County. The project will include all necessary appurtenances related to the service line replacements (i.e. valves, water mains, test pits, manways, etc.), engineering design, bid, and construction phase services; construction costs related to excavation of the service lines for material confirmation, replacements, restoration, and Risk Mitigation Management procedures. The existing system facilities identified as part of this project are older and comprised primarily of lead and/or galvanized. Removal and replacement of the service lines is desired and considered necessary to ensure continued compliance with the Department’s Lead and Copper Rule, Title 25 Chapter 109, Subchapter K. The improvements will enhance SCMA’s ability to operate and maintain the system and increase the reliability of service.

PROB. DESCRIPTION: The Schuylkill County Municipal Authority (SCMA) proposes a lead service line replacement project in the City of Pottsville, Schuylkill County to replace existing service lines which are older and comprised primarily of lead and/or galvanized. Removal and replacement of the service lines is desired and considered necessary to ensure continued compliance with the Department’s Lead and Copper Rule, Title 25 Chapter 109, Subchapter K. SCMA proposes the replacement of approximately 360 public and private lead and/or galvanized service lines along West Railroad Street and North Centre Street; Fairview Street; West Race Street; and Pierce Street in the City of Pottsville, Schuylkill County. The project will include all necessary appurtenances related to the service line replacements (i.e. valves, water mains, test pits, manways, etc.), engineering design, bid, and construction phase services; construction costs related to excavation of the service lines for material confirmation, replacements, restoration, and Risk Mitigation Management procedures. The existing system facilities identified as part of this project are older and comprised primarily of lead and/or galvanized. Removal and replacement of the service lines is desired and considered necessary to ensure continued compliance with the Department’s Lead and Copper Rule, Title 25 Chapter 109, Subchapter K.

POPULATION: 31,850	PV RATING: 75
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

LEGEND FOR PROJECT TYPE:

SRC = SOURCE TRANS = TRANSMISSION SYSTEM TREAT=TREATMENT WS = WATER STORAGE DS = DISTRIBUTION SYSTEM

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRINKING WATER STATE REVOLVING FUND
FEDERAL FY2023 - PROJECT PRIORITY LIST**

UPDATED MAY 10, 2023

APPLICANT NAME: MUNICIPAL AUTHORITY OF THE BOROUGH OF BEDFORD- PHASE 2 CAST IRON LINE	REGION: III	DEP PROJECT RATING: 40
STREET ADDRESS: 244 WEST PENN STREET	PWSID: 4050002	PROJRANK: 17
CITY: BEDFORD	FUND SOURCE: DWSRF	PROJECT COST: \$10,600,000
COUNTY: BEDFORD	MTGDATE: 4/19/2023	PROJECT TYPE: LSL

PROJ. DESCRIPTION: The project is considered Phase 2 of Bedford's CIP Waterline Replacement Project and includes the installation of approximately 29,940 L.F. of C900 PVC water distribution main to replace the existing cast iron distribution main, 455 services lines, 28 fire hydrants, valves, and all other necessary appurtenances within the project area. The proposed water mains will allow the decommissioning of existing cast iron water distribution main with leaded joints in addition to removing all existing leaded gooseneck service connections encountered during construction.

PROB. DESCRIPTION: The Authority's distribution system is comprised of old cast iron piping with leaded joints and leaded gooseneck services in sections of their distribution system. The Authority has concerns over the potential for lead to contaminate the water supply and cause health issues with residents.

POPULATION: 5,127	PV RATING: 59
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

LEGEND FOR PROJECT TYPE:

SRC = SOURCE TRANS = TRANSMISSION SYSTEM TREAT=TREATMENT WS = WATER STORAGE DS = DISTRIBUTION SYSTEM

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRINKING WATER STATE REVOLVING FUND
FEDERAL FY2023 - PROJECT PRIORITY LIST**

UPDATED MAY 10, 2023

APPLICANT NAME: CRANBERRY-VENANGO COUNTY GENERAL AUTH. CRANBERRY MALL PLANT UPGRADE	REGION: VI	DEP PROJECT RATING: 40
STREET ADDRESS: BOX 378	PWSID: 6610031	PROJRANK: 18
CITY: SENECA	FUND SOURCE: DWSRF	PROJECT COST: \$2,636,675
COUNTY: VENANGO	MTGDATE: 10/19/2022	PROJECT TYPE: TREAT

PROJ. DESCRIPTION: The proposed project is to construct a new 350 gpm package water treatment plant immediately adjacent to the existing Mall water treatment plant building, using the same treatment technology. Upgrades will also be made to the existing treatment plant building, electrical and back-up generator, well pumps, distribution pumps, and the chemical feed and storage systems.

PROB. DESCRIPTION: The existing Cranberry-Venango County General Authority's 175 gpm Mall Water Treatment Plant is nearing its useful life and is undersized for the projected future water demands of the service area.

POPULATION: 2,700	PV RATING: 45
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: MUNICIPAL AUTHORITY OF BUFFALO TOWNSHIP - FREEPORT BORO LSL REPL.	REGION: VI	DEP PROJECT RATING: 40
STREET ADDRESS: 707 SOUTH PIKE ROAD	PWSID: 5030019	PROJRANK: 19
CITY: SARVER	FUND SOURCE: DWSRF	PROJECT COST: \$722,465
COUNTY: ARMSTRONG	MTGDATE: 4/19/2023	PROJECT TYPE: LSL

PROJ. DESCRIPTION: Propose project includes replacement of approximately 133 Lead service lines. Major work includes 125 each 3/4" Service line replacements, four 1" service line replacements, two 1" service to existing dwelling and four 2" service replacements; two 2" service to existing dwellings; 360 s.y. of Borough ditchline paving; 250 s.y. of PennDOT ditchline paving, 80 s.y. of sidewalk replacement 1,500 linear feet of work along the state highway and 670 s.y. of concrete curb replacement.

PROB. DESCRIPTION: The Authority has found several lead service lines in the area, which could contaminate public drinking water and threaten the health of the residents. The number of lead service line replacements is expected to be approximately 133.

POPULATION: 5,849	PV RATING: 67
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

LEGEND FOR PROJECT TYPE:

SRC = SOURCE TRANS = TRANSMISSION SYSTEM TREAT=TREATMENT WS = WATER STORAGE DS = DISTRIBUTION SYSTEM

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRINKING WATER STATE REVOLVING FUND
FEDERAL FY2023 - PROJECT PRIORITY LIST**

UPDATED MAY 10, 2023

APPLICANT NAME: COWANSHANNOCK TOWNSHIP MUNICIPAL AUTHORITY - YATESBORO WTP IMP	REGION: VI	DEP PROJECT RATING: 40
STREET ADDRESS: BOX 127	PWSID: 5030047	PROJRANK: 20
CITY: NUMINE	FUND SOURCE: DWSRF	PROJECT COST: \$2,724,000
COUNTY: ARMSTRONG	MTGDATE: 4/19/2023	PROJECT TYPE: TREAT

PROJ. DESCRIPTION: The work associated with the drain line includes 6,745 L.F. of 2-inch diameter drain line, 6-inch gravity sewer, six plug valves, two air release vaults, one meter vault, 30 L.F. of 6-inch diameter steel casing pipe, two dosing pumps (installed), one dosing pump (spare), three concrete tanks (6,000 gallons), draining and backfilling the pond, erosion and sedimentation controls and seeding, electrical upgrades including new service and manual emergency generator connection, telemetry. In addition to the wastewater drain line, the work at the Yatesboro Water Treatment Plant consists of the replacement of the two existing 78" diameter pressure filters, tank internal and external piping, filter media, automatic valves, magnetic flowmeters, pressure gauges, air blower, potassium permanganate color monitor, control panel with 10-inch color operator interface terminal, and electrical upgrades.

PROB. DESCRIPTION: Cowanshannock Township Municipal Authority (CTMA) was sent a Notice of Violation from the Pennsylvania Department of Environmental Protection (PADEP) for the Authority's discharge of treated industrial wastewater in violation of the Yatesboro NPDES Permit between January 2018 and March 2019. On November 4, 2021 CTMA entered into a Consent Order and Agreement with the Pennsylvania Department of Environmental Protection to cease the operation and discharge from the Yatesboro Water Treatment Plant and connect to the Shannock Valley General Services Authority (SVGSA) sewerage system. The CTMA also agreed to dewater the Yatesboro WTP lagoons, remove and properly dispose of all sludge, eliminate the outfall from the Yatesboro WTP, and request from DEP termination of the Yatesboro NPDES Permit and Water Quality Management Permit related to the Yatesboro Water Treatment Plant. In addition, the Yatesboro Water Treatment Plant was converted from a sequestering treatment process to a pressure filter treatment process for the removal of iron and manganese from the raw groundwater sources in 1992. It has been 30 years that these facilities have been in continuous service without any major repairs or maintenance. Numerous components of the original treatment system have been neglected and are no longer functioning and the equipment has reached the end of its useful life.

POPULATION: 740	PV RATING: 49
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

LEGEND FOR PROJECT TYPE:

SRC = SOURCE TRANS = TRANSMISSION SYSTEM TREAT=TREATMENT WS = WATER STORAGE DS = DISTRIBUTION SYSTEM

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRINKING WATER STATE REVOLVING FUND
FEDERAL FY2023 - PROJECT PRIORITY LIST**

UPDATED MAY 10, 2023

APPLICANT NAME: PITTSBURGH WATER & SEWER AUTHORITY - SECURITY UPGRADES	REGION: III	DEP PROJECT RATING: 39
STREET ADDRESS: 441 SMITHFIELD ST.	PWSID: 5020038	PROJRANK: 21
CITY: PITTSBURGH	FUND SOURCE: DWSRF	PROJECT COST: \$9,978,156
COUNTY: ALLEGHENY	MTGDATE: 10/19/2022	PROJECT TYPE: TREAT

PROJ. DESCRIPTION: The project will assist in funding the addition of approximately 80-100 security cameras, electronic access control at various sites and locations, fencing repairs/replacements, critical alarm and emergency notification systems as well as other physical hardening devices. The upgrades will occur at a total of 9 tank sites, 6 pump station sites, 4 reservoir sites, the Water Treatment Plant, the PWSA warehouse, and PWSA headquarters.

PROB. DESCRIPTION: PWSA has obligations to enhance security and resilience of their critical infrastructure. Many of these infrastructure sites (26 locations) are lacking minimum security measures. This project will address issues raised by the DHS in a recent risk assessment by providing necessary funding. These upgrades are critical to help protect PWSA assets to increase the resiliency and increase the reliability of their assets for customers.

POPULATION: 370,000	PV RATING: 70
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

LEGEND FOR PROJECT TYPE:

SRC = SOURCE TRANS = TRANSMISSION SYSTEM TREAT=TREATMENT WS = WATER STORAGE DS = DISTRIBUTION SYSTEM

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
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FEDERAL FY2023 - PROJECT PRIORITY LIST**

UPDATED MAY 10, 2023

APPLICANT NAME: LINESVILLE MA - 2020 WATER SYSTEM IMPROVEMENTS	REGION: VI	DEP PROJECT RATING: 39
STREET ADDRESS: 103 W. ERIE STREET	PWSID: 6200027	PROJRANK: 22
CITY: LINESVILLE	FUND SOURCE: DWSRF	PROJECT COST: \$6,037,729
COUNTY: CRAWFORD	MTGDATE: 10/19/2022	PROJECT TYPE: SRC, PS, WS

PROJ. DESCRIPTION: Linesville Borough proposes various updates to the existing sources of supply, pumping systems, storage reservoirs, and disinfection systems at the Penn Street and Bunday Street sites. The Penn Street project includes a new pump station, a new disinfection unit, distribution pumps, electrical, plumbing, an emergency backup generator and new communication system (SCADA). A new tank mixer will be installed in the Airport tank. The improvements to the Borough Garage site include the relocation of the main reservoir and pump station out of the flood-zone area. The Homestead Avenue Water Line Extension will provide a loop into the distribution system

PROB. DESCRIPTION: The Penn Street pumps are in a pit below ground-level and exposed to damage by flooding. A SCADA has to be located in this pump station to monitor Penn Street water system components. The Airport tank has no mixer to prevent ice build-up that could potentially interfere with level sensors or damage tank coating system as well as avoiding water stagnation that might lead to the formation of disinfection by-product. There is no meter on each source that feeds the pump station and there is no backup generator. The Borough Garage which contains a storage tank ((built in 1908) and pump station (built in 1926) is located in the flood zone area and exposed to contamination, damaging of pipes, pumps, electrical control systems. The structural integrity of the building could be damaged due to flooding. The distribution system is not looped.

POPULATION: 1,198	PV RATING: 66
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

LEGEND FOR PROJECT TYPE:
 SRC = SOURCE TRANS = TRANSMISSION SYSTEM TREAT=TREATMENT WS = WATER STORAGE DS = DISTRIBUTION SYSTEM

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRINKING WATER STATE REVOLVING FUND
FEDERAL FY2023 - PROJECT PRIORITY LIST**

UPDATED MAY 10, 2023

APPLICANT NAME: HAZELTON CITY AUTHORITY 2022 ONEIDA JUNCTION BOOSTER STATION PROJECT	REGION: II	DEP PROJECT RATING: 38
STREET ADDRESS: 400 E. ARTHUR GARDNER PARKWAY	PWSID: 2408001	PROJRANK: 23
CITY: HAZLETON	FUND SOURCE: DWSRF	PROJECT COST: \$2,275,000
COUNTY: LUZERNE	MTGDATE: 10/19/2022	PROJECT TYPE: PS

PROJ. DESCRIPTION: The proposed booster pump station will be a package modular steel unit fabricated by Peerless (Grundfos or equal) comprised of: an insulated building with four (4) 100 HP, horizontal split case type NSF 61 pumps, three (3) duty and one (1) standby, with Variable Frequency Drives (VFDs) and automatic control system with SCADA system integration. Pump capacity is specified at 1,500 gpm at 173 feet TDH. Additional equipment to be provided in the booster station includes, a magnetic flow meter, valves, lighting, ventilation, and wall mounted HVAC units. The pumping station will comply with requirements specified in the PWS Manual Part II. An emergency standby generator is proposed for providing electrical power in the event of the loss of utility power to the station. A bypass line for the booster station is also proposed. This bypass will include a normally closed gate valve. In case of a catastrophic or other failure of the booster station, this gate valve can be opened to bypass the booster station to maintain positive system pressure until such time that the booster station (or alternate means) is placed back online. The installation of approximately 100 feet of 16-20-inch DI pipe is proposed for the suction and discharge lines to connect the proposed station to HCA's existing distribution system. This project will allow HCA to continue to operate and maintain system facilities and to continue to meet regulatory requirements. The improvements will enhance HCA's ability to operate and maintain their existing PWS facilities.

PROB. DESCRIPTION: The Hazleton City Authority (HCA) owns and operates a public water supply (PWS) system (PWS ID No. 2408001) which serves the residents and commercial establishments in and around Hazle Township, Luzerne County. Based on a recent Feasibility Study conducted by HCA to provide adequate supply and pressure to existing and proposed customers on the western side of HCA's distribution system, a booster pumping station with all necessary appurtenances is proposed. It is to be located near the intersection of S.R. 424 and 309 in Hazle Township, Luzerne County. The new booster station will enable HCA to adequately operate and maintain the PWS system and provide adequate system pressure and supply to its existing and proposed customers.

POPULATION: 38,022	PV RATING: 63
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

LEGEND FOR PROJECT TYPE:

SRC = SOURCE TRANS = TRANSMISSION SYSTEM TREAT=TREATMENT WS = WATER STORAGE DS = DISTRIBUTION SYSTEM

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
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FEDERAL FY2023 - PROJECT PRIORITY LIST**

UPDATED MAY 10, 2023

APPLICANT NAME: BEAR VALLEY FRANKLIN COUNTY PA JOINT AUTH. PH 1 SYSTEM IMPROVEMENT	REGION: III	DEP PROJECT RATING: 38
STREET ADDRESS: P O BOX 294	PWSID: 7280043	PROJRANK: 24
CITY: ST THOMAS	FUND SOURCE: DWSRF	PROJECT COST: \$8,500,000
COUNTY: FRANKLIN	MTGDATE: 1/12/2023	PROJECT TYPE: SRC, DS

PROJ. DESCRIPTION: The project includes the addition of three (3) new groundwater sources, Wells No. 13, 16, and 17. Each source will be treated at the Authority's existing Fort Loudoun membrane filtration plant. Development of these additional sources will provide a combined additional source capacity of up to 1.56 million gallon per day (MGD). This will ensure that the system has sufficient source capacity to reliably and consistently meet demands, which will result in increased protection of public health and safety.

PROB. DESCRIPTION: The Authority's existing sources include six (6) other wells, a surface water withdrawal from Broad Run, and a finished water interconnect with the Borough of Chambersburg. The surface water source is not reliable during summer/fall due to low flows. Additionally, the interconnect with Chambersburg is not available if Chambersburg needs the water for their own uses. Therefore, the system's total reliable source production capacity is 1.0 million gallon per day (MGD). The system's 2020 average daily use was 1.22 MGD and the peak daily use was 2.05 MGD. The system's reliable source capacity does not meet the average and peak demands.

POPULATION: 12,000	PV RATING: 43
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

LEGEND FOR PROJECT TYPE:

SRC = SOURCE TRANS = TRANSMISSION SYSTEM TREAT=TREATMENT WS = WATER STORAGE DS = DISTRIBUTION SYSTEM

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRINKING WATER STATE REVOLVING FUND
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UPDATED MAY 10, 2023

APPLICANT NAME: SHARPSVILLE BOROUGH 2022-2023 WATERLINE IMPROVEMENT PROJECT	REGION: VI	DEP PROJECT RATING: 35
STREET ADDRESS: 1 WALNUT STREET	PWSID: 6430055	PROJRANK: 25
CITY: SHARPSVILLE	FUND SOURCE: DWSRF	PROJECT COST: \$9,800,000
COUNTY: MERCER	MTGDATE: 10/19/2022	PROJECT TYPE: DS

PROJ. DESCRIPTION: Approximately 20,000 lf of aged distribution system waterlines subject to leaks and breaks recommended to be replaced prior to the planned PennDOT repaving project along SR 518 within the Borough of Sharpsville. No Public Water Supply permit is required for distribution line replacements.

PROB. DESCRIPTION: Borough of Sharpsville water distribution system includes aged waterlines, many being 50 to 70 years old which experience leaks and breaks. PennDOT is planning to repave SR 518 within the Borough of Sharpsville and the Borough wishes to replace approximately 20,000 lf of water distribution lines before the PennDOT repaving project.

POPULATION: 4,729	PV RATING: 59
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

LEGEND FOR PROJECT TYPE:

SRC = SOURCE TRANS = TRANSMISSION SYSTEM TREAT=TREATMENT WS = WATER STORAGE DS = DISTRIBUTION SYSTEM

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRINKING WATER STATE REVOLVING FUND
FEDERAL FY2023 - PROJECT PRIORITY LIST**

UPDATED MAY 10, 2023

APPLICANT NAME: BEDFORD TOWNSHIP MUNICIPAL AUTHORITY- AREAS V & VI WATER PROJECT	REGION: III	DEP PROJECT RATING: 33
STREET ADDRESS: P.O. Box 371	PWSID: 4050037	PROJRANK: 26
CITY: BEDFORD	FUND SOURCE: DWSRF	PROJECT COST: \$5,186,000
COUNTY: BEDFORD	MTGDATE: 1/12/2023	PROJECT TYPE: DS

PROJ. DESCRIPTION: This project includes extending water service to approximately 130 residential homes within Bedford Township. The two new distribution areas, Area V and Area VI, will be connected via the following new sections of ductile iron piping; 16,800 linear feet of 10-inch diameter, 9,900 linear feet of 8-inch diameter, 5,500 linear feet of 6-inch diameter, and 1,600 linear feet of 4-inch diameter waterline. A section of Area VI will be connected to the booster pumping station constructed near the intersection of Mt. Airy Drive and Cumberland Road.

PROB. DESCRIPTION: The Authority will extend its distribution system to several existing neighborhoods currently served by individual wells. This is the final obligation as described in the Authority's Act 537 Plans originally approved in 2002 and updated in 2005.

POPULATION: 1,125	PV RATING: 38
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

LEGEND FOR PROJECT TYPE:

SRC = SOURCE TRANS = TRANSMISSION SYSTEM TREAT=TREATMENT WS = WATER STORAGE DS = DISTRIBUTION SYSTEM

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRINKING WATER STATE REVOLVING FUND
FEDERAL FY2023 - PROJECT PRIORITY LIST**

UPDATED MAY 10, 2023

APPLICANT NAME: PITTSBURGH WATER & SEWER A. - 2023 PWSA NEIGHBORHOOD LSL REPL PROG. B	REGION: V	DEP PROJECT RATING: 0
STREET ADDRESS: 441 SMITHFIELD ST.	PWSID: 5020038	PROJRANK: 27
CITY: PITTSBURGH	FUND SOURCE: APPLICATION PENDING	PROJECT COST: \$14,605,000
COUNTY: ALLEGHENY	MTGDATE:	PROJECT TYPE: LSL

PROJ. DESCRIPTION: PWSA is planning a neighborhood LSLR program continuing the work started in 2018 (and similar to our other Neighborhood LSLR project funded by PENNVEST). Neighborhoods are selected based on a prioritization formula developed by PWSA in consultation with our Community Lead Response Advisory Committee (CLRAC). On a census tract basis, the formula considers 1) the number of children under 6 years of age and women of child bearing age, 2) blood lead level data from ACHD, 3) the number of lead and unknown service lines in our inventory and 4) income level. Once the prioritization model is run for the PWSA water service area, neighborhoods are selected from our Level 5 and 4 Priority levels. Our 2023A Neighborhood LSLR project selected Priority 5 Neighborhoods, starting with the neighborhoods with the lowest income. For this project, neighborhoods within an Environmental Justice Area (as defined by the Pennsylvania Department of Environmental Protection) are further prioritized, and Level 4 neighborhoods were selected, ranking them by income. Based on this prioritization model run, PWSA estimates that the project will work at around 1,200 homes and replace 680 public and 570 private lead service lines.

PROB. DESCRIPTION: PWSA implemented efforts to replace public lead service lines in 2017 and expanded to private lead service lines starting in early 2018. While great strides have been made in both corrosion control treatment (CCT) and Lead Service Line Replacement (LSLR), much work remains. As critical as CCT is to water quality, the issue of lead in drinking water will not be resolved until all lead service lines are removed from the system. PWSA's goal, only impacted by available funds to complete the work, is to remove all lead service lines by 2026. Existing lead service line contribute to lead, MCL exceedance in the service area. Project goal is to eliminate/reduce lead level from the water supply.

POPULATION: 370,000	PV RATING:
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

LEGEND FOR PROJECT TYPE:

SRC = SOURCE TRANS = TRANSMISSION SYSTEM TREAT=TREATMENT WS = WATER STORAGE DS = DISTRIBUTION SYSTEM

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
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UPDATED MAY 10, 2023

APPLICANT NAME: LEHIGH COUNTY AUTHORITY ALLENTOWN LSL	REGION: II	DEP PROJECT RATING: 0
REPLACEMENT - 2023		
STREET ADDRESS: 59 BROOKSIDE ROAD	PWSID: 3390041	PROJRANK: 28
CITY: WESCOSVILLE	FUND SOURCE: APPLICATION PENDING	PROJECT COST: \$4,939,400
COUNTY: LEHIGH	MTGDATE:	PROJECT TYPE: LSL

PROJ. DESCRIPTION: The Lehigh County Authority (LCA) – Allentown Division proposes the LCA Allentown Lead Service Line Replacement 2023 Project which includes the replacement of approximately 149 private and 1 public lead and/or galvanized service lines in the City of Allentown, Lehigh County. The estimation of private side service lines requiring replacement is based on GIS data available to date and LCA field staff experience and are located in older sections of the Allentown Division’s service area. There are 150 potential lead service lines within the project area to allow for service line replacement. The service line replacements are located primarily along North Penn Street, West Washington Street, West Cedar Street, Park Street and North 9th Street in northern end of the City of Allentown, Lehigh County. The proposed project will include all necessary water line appurtenances associated with the service line replacements such as valves, curb stops, shut-offs, water main construction, test pits, manways, etc. found necessary during the service line replacement and installation. The existing service laterals identified as part of this project are older and comprised primarily of lead and/or galvanized. Removal and replacement of the service lines is desired and considered necessary to ensure continued compliance with the Department’s Lead and Copper Rule, Title 25 Chapter 109, Subchapter K. Improvements will enhance LCA’s ability to operate and maintain the system and increase the reliability of service.

PROB. DESCRIPTION: In order to ensure continuous compliance with the Department's Lead and Copper Rule (Title 25 Chapter 109 Subchapter K), the Lehigh County Authority (LCA) has undertaken the identification of lead service lines found within older sections of their distribution system constructed in the late 1800s and early 1900s. To identify these service lines and determine the project scope, LCA’s GIS mapping of their water distribution system, which includes its public and private water service lines, was utilized. LCA is currently in the process of further developing the information in their service line inventory in accordance with EPA’s Guidance for Developing and Maintaining a Service Line Inventory as well as PADEP’s similar guidance. Resources used so far in the development of the inventory include information obtained from field staff through meter replacement program; City of Allentown 1955 Ordinance requiring all City portion of service lines to be either cast iron, brass, or copper; year dwellings constructed (post 1986 considered non-lead); and work-order information. This service line inventory data was then overlapped with environmental justice areas within the City and the resulting mapping reviewed during workshop calls to discuss constructability, prioritization, size of project, and proximity of replacement areas to identify the final 2023 replacement project area. The existing service laterals identified as part of this project are older and comprised primarily of lead and/or galvanized. As a result of the investigations, LCA – Allentown Division proposes the LCA Allentown Lead Service Line Replacement 2023 Project which includes the replacement of approximately 149 private and 1 public lead and/or galvanized service lines in the City of Allentown, Lehigh County. The estimation of private side service lines requiring replacement is based on GIS data available to date and LCA field staff experience and are located in older sections of the Allentown Division’s service area. There are 150 potential lead service lines within the project area to allow for service line replacement. The service line replacements are primarily located along North Penn Street, West Washington Street, West Cedar Street, Park Street and North 9th Street in the northern end of the City of Allentown, Lehigh County. Removal and replacement of the service lines is desired and considered necessary to ensure continued compliance with the Department’s Lead and Copper Rule, Title 25 Chapter 109, Subchapter K.

POPULATION: 3,262

PV RATING:

LEGEND FOR PROJECT TYPE:

SRC = SOURCE TRANS = TRANSMISSION SYSTEM TREAT=TREATMENT WS = WATER STORAGE DS = DISTRIBUTION SYSTEM

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRINKING WATER STATE REVOLVING FUND
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UPDATED MAY 10, 2023

GREEN PROJECT: No
BUSINESS CASE: N/A

GREEN CATEGORY:N/A
GREEN AMOUNT: \$0

APPLICANT NAME: ERIE CITY WATER AUTHORITY - LEAD
SERVICE LINE REPLACEMENT PHASE THREE
STREET ADDRESS: 340 WEST BAYFRONT PARKWAY
CITY: ERIE
COUNTY: ERIE

REGION: VI
PWSID: 6250028
FUND SOURCE: APPLICATION PENDING
MTGDATE:

DEP PROJECT RATING: 0
PROJRANK: 29
PROJECT COST: \$6,000,000
PROJECT TYPE: LSL

PROJ. DESCRIPTION: Erie water works (EWW) is continuing its service line replacement program, permanently removing lead goosenecks and galvanized / wrought iron service lines from the system. EWW is hereby proposing to replace or abandon (for those services which are inactive) approximately 850 total services within the City of Erie over a period of two to three years. Where the customer side of the service line is galvanized / wrought iron, the customer side will also be replaced up to the location of where the service line enters the structure.

PROB. DESCRIPTION: EWW is planning to address lead-related threats to public health in drinking water. As of the time of this application, EWW has approximately 6,000 wrought iron service connections within its distribution system, the vast majority of which are located in the City of Erie. Upon completion of EWW's current funded WIFTA and Phase Two projects, there will be approximately 2,700 remaining wrought iron services in the distribution system. These wrought iron service connections are connected to the water main by a lead gooseneck between the corporation stop and the curb stop on the utility owned or public side. The customer owned or private side of the service line associated with wrought iron on the utility side is often also galvanized / wrought iron with threaded joints and not lead. Although EWW maintains an effective corrosion control program and has maintained compliance with the lead and copper rule, the presence of these lead goosenecks within the system nonetheless represents a potential threat to public health. Therefore, permanently removing the lead goosenecks from the system will help to alleviate this threat.

POPULATION: 190,000

PV RATING:

GREEN PROJECT: No
BUSINESS CASE: N/A

GREEN CATEGORY:N/A
GREEN AMOUNT: \$0

LEGEND FOR PROJECT TYPE:

SRC = SOURCE TRANS = TRANSMISSION SYSTEM TREAT=TREATMENT WS = WATER STORAGE DS = DISTRIBUTION SYSTEM