

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRINKING WATER STATE REVOLVING FUND
FEDERAL FY2022 - PROJECT PRIORITY LIST
JUNE 2, 2022 REV. 1**

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

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRINKING WATER STATE REVOLVING FUND
FEDERAL FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA- MUN. WTR. AUTH OF ALIQUIPPA- LEAD SERVICE LINE REPL. PHASE II	REGION: V	DEP PROJECT RATING: 91
STREET ADDRESS: 160 HOPEWELL AVENUE	PWSID: 5040006	PROJRANK: 1
CITY: ALIQUIPPA	FUND SOURCE: DWSRF	PROJECT COST: \$3,129,000
COUNTY: BEAVER	MTGDATE: 10/20/2021	PROJECT TYPE: DS

PROJ. DESCRIPTION: The scope of this project includes the replacement of an estimated 275 existing lead water service lines, determined from soft dig #3 and soft dig #4 contracts, from the main line to property line (curb box) with 3/4" copper water service lines. To determine the material type of the service lines a contractor has been contracted to excavate roughly 90 sites from soft dig #3 and 590 sites from soft dig #4 via vacuum truck for visual inspection of the service lines. The replacements will occur in the City of Aliquippa. MWAA is committed to replacing the private side of the service lateral. For the private side of the service lines, it is assumed that roughly 10% of the total sites are lead, or 28 private side service lines to be replaced. Based on historic experience and a limited field verification, a value of 10% of the service lines that contain lead on the public side will also contain lead on the private side. Confirmation on the private side will be conducted via excavation during replacement of the public side service. Construction proposes service line replacement including corporation at the main, curb box, and connection to existing just outside of structure wall, trench restoration, curb, sidewalk, walkway, lawn, and roadway restoration, and all appurtenances required for complete construction.

PROB. DESCRIPTION: The purpose of this project is to remove existing lead service lines in the Municipal Water Authority of Aliquippa (MWAA) service area to improve the overall water quality and potentially reduce the health risk that is present due to the aging lines. Lead in drinking water can cause brain and kidney damage, and interfere with the production of red blood cells that carry oxygen to all parts of the body. The greatest risk of lead exposure is to infants, young children and pregnant women. Studies have shown that the effects of lead on the brain correlate with lowered IQ in children. The Lead and Copper Rule was established to protect public health by minimizing lead and copper levels in drinking water, primarily by making water less corrosive. When the water is corrosive, the lead and copper found in plumbing materials can leach into drinking water. In addition to these requirements, the removal of lead lines in the system has become a priority and system will replace lead service line to reduce lead from the water supply.

POPULATION: 14,250	PV RATING: 116
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: GLEN CAMPBELL BOROUGH - WATER SYSTEM IMPROVEMENTS PROJECT	REGION: VI	DEP PROJECT RATING: 85
STREET ADDRESS: MAIN ST	PWSID: 5320016	PROJRANK: 2
CITY: GLEN CAMPBELL	FUND SOURCE: DWSRF	PROJECT COST: \$1,111,000
COUNTY: INDIANA	MTGDATE: 7/23/2021	PROJECT TYPE: TREAT, WS

PROJ. DESCRIPTION: Glen Campbell Borough will undertake upgrades and improvements for the treatment of iron, manganese and barium, improvement at 100,000-gallon storage tank for long-term viability and waterline upgrades. Work is required as per Consent Order and Agreement signed on June 16, 2020

PROB. DESCRIPTION: Iron, Manganese and Barium levels in raw water source, 100,000-gallon storage tank in disrepair, WTP in need of upgrades and improvements. Project will improve quality of water for the service area.

POPULATION: 260	PV RATING: 116
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: HOOVERSVILLE BOROUGH -WATER SYSTEM IMPROVEMENTS	REGION: V	DEP PROJECT RATING: 81
STREET ADDRESS: BOX 176	PWSID: 4560037	PROJRANK: 3
CITY: HOOVERSVILLE	FUND SOURCE: DWSRF	PROJECT COST: \$4,636,000
COUNTY: SOMERSET	MTGDATE: 10/20/2021	PROJECT TYPE: DS

PROJ. DESCRIPTION: The proposed project includes an interconnection line with the Conemaugh Township Municipal Authority's (CTMA's) system, which will be the source of potable water for the Borough. The current treatment plant is anticipated to be abandoned upon project completion. In addition, the proposed project will include the replacement of approximately 14,000 linear feet of existing waterline, the construction of one (1) pump station, the installation of 20 fire hydrants, and the replacement of 190 customer meters.

PROB. DESCRIPTION: The proposed project includes an interconnection line with the Conemaugh Township Municipal Authority's (CTMA's) system, which will be the source of potable water for the Borough. Project will help Borough supply consistent potable water to its customer.

POPULATION: 879	PV RATING: 116
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: SOUTHWEST WARREN COUNTY MUNICIPAL AUTHORITY (SWCMA) UPGRADE	REGION: VI	DEP PROJECT RATING: 75
STREET ADDRESS: P O BOX 132	PWSID: 6620032	PROJRANK: 4
CITY: TIDOUTE	FUND SOURCE: DWSRF	PROJECT COST: \$1,043,000
COUNTY: WARREN	MTGDATE: 7/23/2021	PROJECT TYPE: WS, DS, LSL

PROJ. DESCRIPTION: The project includes the installation of a 40,600 gallon precast concrete tank and 188 LF of 8" PVC pipe to provide the necessary volume for adequate chlorine contact time and be able to meet the required log inactivation of Giardia. A prefabricated fiberglass building housing equipment to continuously monitor chlorine levels at the entry point will be installed. The project also includes 3 additional gate valves, connections to existing piping at two places, related electrical and control system modifications, and other minor plant modifications. Additionally, approx. 1,250 LF of water distribution pipe on Elm Street will be replaced (to eliminate all lead components including 9 service connections goosenecks, bell housings, valving, etc., 6 new gate valves, 2 new fire hydrant assemblies, 9 new service line installations including new curb boxes and curb stops and connections to the existing distribution system at three places.

PROB. DESCRIPTION: On August 21, 2020, the Department entered a Consent Order and Agreement with SWCMA, to solve compliance issues related to insufficient chlorine contact time CT required for Giardia log inactivation (related to a problem with air accumulating in a 24" pipe that currently provides chlorine contact volume), and lack of monitoring and recording equipment to monitor free chlorine levels at the entry point and in the distribution system. Three sand filter bays did not pass the standard requirements for slow sand filtration plant as confirmed during the FPPE. These problems have led to an "Unacceptable" FPPE. Additionally, a section of the distribution system on Elm Street, Tidioute contains antiquated (circa 1900) cast iron waterline with Lead components. The system has also a problem with elevated level of DBP (HAAS5) above the MCL.

POPULATION: 1,040	PV RATING: 90
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA - PITTSBURGH WATER & SEWER AUTHORITY - 2021 LSLR PROJECT	REGION: V	DEP PROJECT RATING: 71
STREET ADDRESS: 441 SMITHFIELD ST.	PWSID: 5020038	PROJRANK: 5
CITY: PITTSBURGH	FUND SOURCE: DWSRF	PROJECT COST: \$4,706,512
COUNTY: ALLEGHENY	MTGDATE: 10/20/2021	PROJECT TYPE: DS, LSL

PROJ. DESCRIPTION: PWSA is requesting funding to provide for the replacement of 200 public and 167 private LSLR at a cost of \$4,706,512. All replacements will be 1-inch diameter with the public side being replaced by PEX and the private side being replaced by copper with a public length of approximately 3000' and private length of approximately 4,000' for a total of 7,000'. The locations proposed for replacement are Priority Lead Service Line Replacement locations, including Child Care Facilities and residences where lead elevated lead levels have been measured. While these locations will otherwise be replaced as part of a water main replacement project or future neighborhood replacement project, they either have sensitive populations using the water (Child Care facilities) or represent a location where orthophosphate is not effective. Due to their individual situation, these sites can be prioritized with this grant award.

PROB. DESCRIPTION: Since the start of PWSA's LSLR programs, almost 8,600 public and over 5,600 private LSLs have been replaced throughout PWSA's water service area. One area of need that has not been addressed throughout these programs, however, is what PWSA is terming "Priority LSLR" locations. These locations will consist of 1. Child Care Facilities – Many of the childcare facilities are in smaller buildings that formerly were homes or are in a portion of a residential dwelling, and are potentially served by a LSL. While PWSA plans to replace all LSLs within the water service area by 2026, childcare facilities serve the most sensitive population and should be prioritized. PWSA is in the process of identifying childcare facilities throughout our water service area and determining how many of these locations have a lead or unknown service line that needs to be verified and replaced. We anticipate that there will be between 100 and 150 of these sites. 2. Locations with elevated lead levels – PWSA offers a customer request (CR) sampling program and also conducts sampling in accordance with the Lead and Copper Rule (LCR). Since late 2019, after the implementation of orthophosphate in the drinking water system, PWSA has developed a program (that is still evolving) to investigate locations where the results of the sampling programs indicate elevated levels of lead in drinking water.

POPULATION: 520,000	PV RATING: 86
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: MCCONNELLSBURG BOROUGH MUNICIPAL AUTH WTP DISINFECTION IMP.	REGION: III	DEP PROJECT RATING: 68
STREET ADDRESS: 215 N. 3RD ST.	PWSID: 4290005	PROJRANK: 6
CITY: MCCONNELLSBURG	FUND SOURCE: STATE BYPASS	PROJECT COST: \$901,500
COUNTY: FULTON	MTGDATE: 7/23/2021	PROJECT TYPE: WS

PROJ. DESCRIPTION: The Authority will be installing approximately 400 linear feet of 48-inch diameter ductile iron contact piping between the plant and storage tank. This will allow the 0.5 million gallon capacity tank to be used for finished water storage.

PROB. DESCRIPTION: The Authority is currently using the 0.5 million gallon tank to calculate 1-log Giardia inactivation, while also allowing the tank to float on the distribution system. This type of operation allows finished water to be mixed within the tank with untreated water, which interferes with the unidirectional, plug flow conditions used for Contact Time (CT) calculations.

POPULATION: 2,000	PV RATING: 83
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: SUSQUEHANNA AREA REG. AIRPORT AUTHORITY - WELL & TREATMENT PLANT PFAS	REGION: III	DEP PROJECT RATING: 65
STREET ADDRESS: 208 AIRPORT DRIVE	PWSID: 7220044	PROJRANK: 7
CITY: MIDDLETOWN	FUND SOURCE: STATE BYPASS	PROJECT COST: \$6,700,809
COUNTY: DAUPHIN	MTGDATE: 5/26/2022	PROJECT TYPE: TREAT

PROJ. DESCRIPTION: The project proposes to install a Granular Activated Carbon (GAC) filter system for treatment of PFOS, as well as upgrades to electrical equipment, well pump and pump controls, supervisory control PLC system, GAC building and roof, water softener/brine/feed/dilution water system, chlorinator and chlorine analyzer, and finished water system. The project also proposes to remove the existing air strippers.

PROB. DESCRIPTION: The project is for water treatment plant and well upgrades, to treat existing elevated PFOS in the drinking water at SARAA's Harrisburg International Airport drinking water treatment facility. The project will help reduce PFOS level from finished water.

POPULATION: 6,000	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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: LIGONIER TWP. M.A. - WATER SYSTEM IMPROVEMENTS	REGION: V	DEP PROJECT RATING: 59
STREET ADDRESS: 16 OLD LINCOLN HIGHWAY WEST	PWSID: 5650080	PROJRANK: 8
CITY: LIGONIER	FUND SOURCE: DWSRF	PROJECT COST: \$5,525,000
COUNTY: WESTMORELAND	MTGDATE: 7/23/2021	PROJECT TYPE: WS, DS, PS

PROJ. DESCRIPTION: The proposed project is a number of upgrades to Ligonier Township Municipal Authority's distribution system. These include the construction of a 250,000-gallon glass-fused-to-steel water storage tank; the construction of four (4) pressure reducing vaults, five (5) new booster pump stations, upgrades to the existing Waterford Waterworks Control Building, installation of new waterline for looping, and the replacement of existing waterline. The project area will include Ligonier Township, Ligonier Borough, and Fairfield Township. These improvements will remedy pressure issues within the system by boosting pressure in low pressure areas, reducing pressure in high pressure areas, and creating distribution main looping to improve service pressures. The new storage tank will also mitigate the impact of high-volume users on the system. The project will result in minimum interruptions to water service due to most of the project involving the construction of new infrastructure.

PROB. DESCRIPTION: Ligonier Township Municipal Authority currently owns and operates a public water supply system in Ligonier Township, Ligonier Borough, and Fairfield Township. The Authority is facing issues of aging infrastructure resulting in customer service issues. These issues include low or high pressure, lack of capacity, water losses, lack of redundancy, and general aging of existing distribution infrastructure. Significant users also create large pressure drops during periods of high use. These pressure fluctuations can damage water lines and leave residential users with low pressures. The proposed project is to remedy these issues with a new water tank, new waterline, and additional booster pump stations and pressure reducing stations.

POPULATION: 3,293	PV RATING: 74
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: GREENVILLE BOROUGH M. A.- 2022 WATER SYSTEM PROJECTS	REGION: VI	DEP PROJECT RATING: 59
STREET ADDRESS: 44 CLINTON STREET, P O BOX 638	PWSID: 6430037	PROJRANK: 9
CITY: GREENVILLE	FUND SOURCE: STATE BYPASS	PROJECT COST: \$8,980,553
COUNTY: MERCER	MTGDATE: 4/20/2022	PROJECT TYPE: DS, LSL

PROJ. DESCRIPTION: GMWA proposes to replace approximately 25,600 L.F. of existing leaded-joint, cast-iron pipe with C900 PVC mains and replacing about 275 service connections, associated hydrants, valves, and appurtenances. Additionally, the Hadley Road Booster pump station will be replaced. The site of the new booster pump station will improve connectivity and hydraulic conditions in the booster pressure zone. The new piping arrangement will reduce water age and increase water quality

PROB. DESCRIPTION: This is Phase II of the Authority Lead waterlines replacement. Approximately 25,600 L.F. of existing leaded-joint were identified throughout the distribution system. The aged waterlines are cast-iron and experience frequent breaks. Also, the existing Hadley Road Pump Station building was built in the early 1900s and does not meet current codes due to age. These lead in the distribution system pose a risk to public health and need removed from the system, project will help reduce/eliminate lead from the water supply.

POPULATION: 8,600	PV RATING: 84
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: KNOX TWP MA WATER TREATMENT PLANT & SYSTEM UPGRADES PROJECT	REGION: VI	DEP PROJECT RATING: 59
STREET ADDRESS: PO BOX 130	PWSID: 6330008	PROJRANK: 10
CITY: KNOXDALE	FUND SOURCE: DWSRF	PROJECT COST: \$3,320,997
COUNTY: JEFFERSON	MTGDATE: 7/23/2021	PROJECT TYPE: TREAT,DS, METER,

PROJ. DESCRIPTION: Authority proposes to replace the water treatment plant in its entirety, installing a tank mixer, and making upgrades to the water system that include meter pit and curb stop installation, replacement of meters with AMR, and replacement of water service lines from the main line to the property line. A new masonry building will be constructed adjacent to the existing WTP. All equipment is proposed to be replaced “like-kind” and there will be no changes to the current treatment process. The new WTP will include a separate chemical room as specified and shown on the drawing. A welded steel factory-built package treatment system includes chemical feed system equipment, manganese greensand filters, water softeners, valves, piping, grating floor drains and appurtenances will be installed as specified. A new 2-inch raw water supply line will be installed from well to the new WTP. The existing supply line from the well to the existing WTP will be abandoned after the new WTP is authorized to operate. Chemicals will be injected into the raw water supply line before the line enters the new treatment room.

PROB. DESCRIPTION: The treatment plant is over 25-years old and is also experiencing deterioration and disrepair of existing facilities. The existing softener units do not function properly and are malfunctioning. Additionally, the water treatment plant does not have a generator of their own and currently has an agreement with the Knox Township Volunteer Fire Company to utilize the fire company's generator in the event of an emergency. Also, the standpipe experiences temperature stratification and has a twenty-degree temperature difference. This can lead to water quality issues, such as loss of chlorine residual and tank freezing. In addition, many parts on the manganese green sand filters and softeners are no longer manufactured. While the water treatment plant is still operational, it is becoming increasingly difficult to maintain compliance with the existing equipment reaching the end of its service life. In addition, the existing plant could use upgrades to the electrical and internal plumbing components. Much of the electrical wiring is located within the block walls, making repairs and upgrades difficult. Additionally, the plumbing for the sink is located within the block walls, which sometimes freezes during extreme cold periods. The heating unit for the water treatment plant building frequently fails and malfunctions. Service meters are old and leaking which causes incorrect reading.

POPULATION: 300	PV RATING: 84
GREEN PROJECT: Yes	GREEN CATEGORY: Water Efficiency
BUSINESS CASE: N/A	GREEN AMOUNT: \$313,575

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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: CITY OF LOCK HAVEN - MODIFICATIONS TO WARREN OHL DAM	REGION: IV	DEP PROJECT RATING: 58
STREET ADDRESS: 20 E CHURCH ST	PWSID: 4180048	PROJRANK: 11
CITY: LOCK HAVEN	FUND SOURCE: STATE BYPASS	PROJECT COST: \$5,000,000
COUNTY: CLINTON	MTGDATE: 4/20/2022	PROJECT TYPE: DAM

PROJ. DESCRIPTION: The City of Lock Haven is planning on completing upgrades and improvements to the existing Ohl Dam. The project will consist of construction of the dam crest parapet wall and raising spillway walls, replacement of the spillway terminal structure, replacement of the intake bridge, construction of a lower reservoir access road, and construction of a structure above the intake tower to house the valve operators. Rehabilitation of the existing spillway chute including repairs to the spillway slab and replacement of the sections of the spillway walls where applicable will take place. The project will also include rehabilitation of the intake tower including the new gate valves and repair of any necessary concrete.

PROB. DESCRIPTION: This project intends to address issues found in the October 2016 Ohl Dam Evaluation Report. The report concluded that "The intake structure, gates, valves, equipment and access bridge should be renewed or replaced due to their age, deterioration and expected usefulness. The bridge, piers and bearing at the upper portion of the intake structure are no longer structurally sufficient and should be replaced. The intake structure below normal water level must be either repaired or modified to be a "wet" intake structure, through the use of new slide gates and wall openings. Under further recommendation that the spillway slab and portions of the walls be repaired or replaced where applicable." The proposed project will strengthen the dam and will improve safety of the downstream population and improve consistent raw water source for the City of Lock Haven.

POPULATION: 9,890	PV RATING: 73
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: GALETON BORO AUTH - WATER SYSTEM IMPROVEMENTS	REGION: IV	DEP PROJECT RATING: 58
STREET ADDRESS: 2 SHERMAN STREET	PWSID: 6530010	PROJRANK: 12
CITY: GALETON	FUND SOURCE: STATE BYPASS	PROJECT COST: \$353,908
COUNTY: POTTER	MTGDATE: 1/19/2022	PROJECT TYPE: TREAT

PROJ. DESCRIPTION: For the automatic monitoring of the turbidity and chlorine at the water filtration plant which will require work at the water filtration plant and booster station owned by the Galeton Borough Authority. This work includes modifications to piping, relocation of turbidimeters, installation of new turbidimeters and chlorine analyzers, installation of 4 new flow meters, installation of 5 new motor actuated valves, installation of a 1 new precast concrete metering valve vault, installation of new underground piping and 3 valves, new controls in the water filtration building, updating the electrical power distribution, installation of new electrical signal and control wiring, and new underground electrical conduit and wiring. Once all equipment is installed, the Authority's process control integrator will update the existing control panels to work with the new equipment to monitor the chlorine residual and turbidity.

PROB. DESCRIPTION: New regulations included in Title 25 Pa. Code Section 109 went into effect in August 2019. These regulations require that Public Water Suppliers must provide automatic monitoring of treated water quality, alarms, and automatic shutdown of water treatment facilities to prevent the delivery of improperly treated water to customers in the event of malfunctions. A Consent Order and Agreement (COA) between the PADEP and Galeton was entered into on April 3rd, 2020, and a Corrective Action Plan (CAP) was finalized on July 17, 2020.

POPULATION: 1,200	PV RATING: 73
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: HAZLETON CITY AUTHORITY LEHIGH RIVER PUMP STATION REPAIR	REGION: II	DEP PROJECT RATING: 55
STREET ADDRESS: 400 E. ARTHUR GARDNER PARKWAY	PWSID: 2408001	PROJRANK: 13
CITY: HAZLETON	FUND SOURCE: STATE BYPASS	PROJECT COST: \$1,450,000
COUNTY: CARBON	MTGDATE: 4/20/2022	PROJECT TYPE: SRC

PROJ. DESCRIPTION: The Hazleton City Authority (HCA) operates and maintains an existing, below grade, 5.0 Million Gallons Per Day (MGD) raw water pumping station on the banks of the Lehigh River within a PA DCNR State Park and National Heritage Corridor. On August 22, 2021, a severe and unusual storm event within the Lehigh River Basin resulted in extremely high river water levels and flooded the station resulting in catastrophic fire damage. The station has been off-line since the event. The Lehigh River Pumping station being off-line impacts HCA's ability to meet customer demand, safe yield and drought contingency plans. The proposed project consists of complete demolition, cleaning the station, repairing damage to interior surfaces, priming/painting, and replacing all damaged and/or failed equipment in-kind (including the 5 MGD pumps and electrical components) and relocating the transformer above grade to prevent future issues. Relocating the entire station above grade is not an option due to its location in the state park and Heritage Corridor. The pumping station is a critical component of HCA's PWS system and is vital to meeting safe yields, customer demands, and is a key component in their drought planning for the system. This project will allow HCA to continue to operate and maintain system facilities and to continue to meet regulatory requirements

PROB. DESCRIPTION: A severe and unusual storm event within the Lehigh River Basin resulted in extremely high river water levels, which was several feet above the finished floor elevation of the pump station and flooded the station. Water reached the high voltage transformers and created a sudden short circuit, exploded and cut the power to the station. The high water level, explosion, voltage spike, short circuit, high temperature and corrosive/moist atmosphere resulted in significant damage throughout the station. The station has been inoperable since the event, impacting HCA's ability to meet customer demand, safe yield and drought contingency plans. The intent of this project is to complete demolition, clean the station, repair damage to interior surface, prime/paint, and replace all damaged and/or failed equipment in-kind and relocate the transformer above grade to prevent future issues. Relocating the entire station above grade is not an option due to its location in the state park and Heritage Corridor. The pumping station is a critical component of HCA's PWS system and is vital to meeting safe yields, customer demand, and is a key component in their drought planning strategy for the system. This project will allow HCA to continue to operate and maintain system facilities as the station has been off-line since the catastrophic event.

POPULATION: 45,000	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
DRINKING WATER STATE REVOLVING FUND
FEDERAL FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: CURRYVILLE WATER AUTHORITY INTERCONNECTION AND WATER TANK REHAB	REGION: III	DEP PROJECT RATING: 55
STREET ADDRESS: BOX # 11	PWSID: 4070298	PROJRANK: 14
CITY: CURRYVILLE	FUND SOURCE: DWSRF	PROJECT COST: \$2,389,000
COUNTY: BLAIR	MTGDATE: 1/19/2022	PROJECT TYPE: DS,WS

PROJ. DESCRIPTION: The proposed project involves a one-way, permanent interconnection between CWA (recipient) and MMA (supplier). MMA has four wells and chlorinates the water. The agreement between the two authorities allows for a maximum flow to CWA of up to 200 gpm and a cumulative thirty-day volume not to exceed 375,000 gallons. The interconnection with MMA would be the sole source of water for CWA. With the interconnection as a sole source, the following would be discontinued: the Kegarise Well, the existing 12-inch diameter loops for 4-log disinfection, and the existing nitrate treatment. The existing chlorine monitoring and treatment would be repurposed to add a booster injection, since the supplied water from MMA would already have a chlorine residual. The existing storage tank would remain and be repainted as part of the project.

PROB. DESCRIPTION: The Curryville Water Authority (CWA) interconnection with Martinsburg Municipal Authority (MMA) is proposed as the most cost-effective solution to eliminate the existing well. According to CWA, the existing well (Kegarise Well) has been impacted by the agricultural industry and is seeing an increase in nitrates. The existing nitrate treatment would need to be upgraded or a new source of water that is not impacted with nitrates would need to be found. Project will help system to serve consistent potable water to the service area.

POPULATION: 85	PV RATING: 64
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA PARTIAL - SOMERSET BOROUGH MUN AUTH - WATER SYSTEM IMPROVEMENTS	REGION: V	DEP PROJECT RATING: 53
STREET ADDRESS: 340 WEST MAIN STREET	PWSID: 4560042	PROJRANK: 15
CITY: SOMERSET	FUND SOURCE: DWSRF	PROJECT COST: \$20,000,000
COUNTY: SOMERSET	MTGDATE: 10/20/2021	PROJECT TYPE: DS, WS, METERS

PROJ. DESCRIPTION: The proposed project includes the replacement of approximately 40,000 linear feet of water distribution line, demolition of the Laurel Hill Filtration Plant (LHFP), improvement of the Shaffer Run WTP, installation of standby generators at all critical facilities (North Somerset Pump Station, Coxes Creek WTP, Shaffer Run Well 2, Coxes Creek Well 7, and Coxes Creek Well 8), installation of a new 1 MG water storage tank, demolition and site restoration of the Laurel Hill Filtration Plant, replacement of approximately 554 water meters and installation of two solar panel systems. WIFTA Summary: The components of the project specifically addressing lead removal include the replacement of 900 linear feet of 16" transmission main, 365 linear feet of 12" distribution line, 1,800 linear feet of 6" distribution line, 462 residential metered connections, and 14 large diameter metered connections. The total cost of these work items is \$2,217,750. The total project cost is \$20,000,000. Therefore, approximately 10% of the total project cost will include lead removal measures.

PROB. DESCRIPTION: The project proposes to address problems related to unaccounted-for water, energy consumption, aging infrastructure, and removal of lead. MABS currently has a 20% unaccounted-for water requirement stipulated by Water Allocation Permit (56-1011) and has an unaccounted-for water percentage in excess of 30%. MABS regularly experiences breaks and leaks related to aging infrastructure. MABS is aware of several transmission lines, distribution lines, water meters, and valves which contain lead. Energy demands of the current water system are inefficient and in excess of what is needed to supply the system with water. The project will work to significantly reduce energy consumption related to the production and supply of water.

POPULATION: 8,500	PV RATING: 76
GREEN PROJECT: Yes	GREEN CATEGORY: Energy Efficiency
BUSINESS CASE: N/A	GREEN AMOUNT: \$100,000

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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: HAZLETON CITY AUTHORITY 2022 OPERATIONAL UPGRADES PART "A"	REGION: II	DEP PROJECT RATING: 53
STREET ADDRESS: 400 E. ARTHUR GARDNER PARKWAY	PWSID: 2408001	PROJRANK: 16
CITY: HAZLETON	FUND SOURCE: DWSRF	PROJECT COST: \$3,300,000
COUNTY: LUZERNE	MTGDATE: 4/20/2022	PROJECT TYPE: PS

PROJ. DESCRIPTION: he project's scope of work includes the replacement and relocation of twelve (12) existing pressure regulating valves (PRVs) currently located in below grade pits to above grade installations. Valve sizes and control sequences to supply potable water to the customers will not change. This project eliminates numerous confined space safety issues and allows remote monitoring and control via connection to the existing SCADA system. HCA proposes to purchase additional leak detection equipment to address high unaccounted for water loss of 36% in their distribution system. HCA intends to purchase fixed base radio read equipment (AMR system) as an upgrade to their existing drive by radio read system components to improve read efficiency, provide more and transparent data to all customers and improve monitoring for leaks in customers' facilities. Lastly, HCA intends to install a new domestic water pressure booster pump to address and correct low pressure issues experienced in their existing Administration Building located at the filtration plant site. Improvements will enhance HCA's ability to operate and maintain the system and increase the system's reliability for customers.

PROB. DESCRIPTION: The Hazleton City Authority (HCA) operates and maintains a water filtration plant and distribution system serving the Greater Hazleton Area. The water treatment plant was constructed in 1991 and HCA completed a detailed study which identified several deficiencies in the system. Problems identified which are addressed in this application include high unaccounted for water loss (36%); aging and deteriorated distribution system components, specifically 12 below grade pressure regulating valves (PRVs) in distribution; aging drive by radio read meter equipment to be upgraded to a fixed base radio system (AMR system) to enhance remote read capability and operational efficiencies; and the installation of a domestic booster pump to correct low-pressures experienced in the existing Administration Building at the site.

POPULATION: 45,000	PV RATING: 68
GREEN PROJECT: Yes	GREEN CATEGORY: Water Efficiency
BUSINESS CASE: Not Required	GREEN AMOUNT: \$2,751,028

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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: HAZLETON CITY AUTHORITY SR 940 UPGRADE PROJECT	REGION: II	DEP PROJECT RATING: 53
STREET ADDRESS: 400 E. ARTHUR GARDNER PARKWAY	PWSID: 2408001	PROJRANK: 17
CITY: HAZLETON	FUND SOURCE: DWSRF	PROJECT COST: \$19,835,000
COUNTY: LUZERNE	MTGDATE: 1/19/2022	PROJECT TYPE: DS

PROJ. DESCRIPTION: Hazleton City Authority (HCA) proposes significant upgrades to their existing distribution system along State Route 940 from the Village of Harleigh to the Village of Drifton in Luzerne County and in Mahanoy Township, Schuylkill County to address high (36%) unaccounted for water losses, improve fire protection and system pressure and improve service to existing customers. The Project includes the installation/replacement of approximately 34,000 lineal feet of new distribution system piping and all necessary appurtenances (12-inch, 8-inch and 6-inch valves, shut-offs, hydrants (53), blow-offs, service laterals, etc.). Work will include transferring/replacing services from existing mains of various sizes to the new water main. Interconnections within the system will also be made between existing pipe mains at various locations to improve system pressure and fire protection capabilities. Work also includes a new tie in and pressure regulating station at the existing HCA Highland Finished Water Storage Tank to replace an older PRV station as well as a new pressure regulating station near Oakmont Road to serve the Ebervale. The improvements will enhance HCA's ability to operate and maintain their existing PWS facilities.

PROB. DESCRIPTION: HCA proposes an extensive distribution system replacement project to address high (36%) unaccounted for water losses, improve fire protection and system pressure to improve service to existing customers. Old cast iron, steel and ductile iron pipe have many years of tuberculation built up resulting in poor water flow, poor pressure, dirty water, decrease in water quality, and difficulty in leak location and repair. Current pipe flow capacity essentially does not provide fire flow to adequately protect this service area. To address these issues, approximately 34,000 linear feet of primarily 8-inch and 12-inch pipe with all necessary appurtenances including but not limited to hydrants (53), shut-offs, valves (6-inch, 8-inch and 12-inch), blow-offs, pressure reducing valves (PRV), service laterals, etc. are proposed for installation in Hazle Township and the City of Hazleton in Luzerne County and in Mahanoy Township, Schuylkill County. Locations proposed include Harleigh Village along State Road (S.R.) 940, Harleigh Village Main Street, Ebervale Village, Oakmont to Ebervale, West Oakdale Village, Middletown Village, Village of Japan Jeddo, South of S.R. 940 – Village of Japan Jeddo, Jeddo Borough to Tank Access Road, Tank Access Road to Eckley PRV Pit, Japan Jeddo to Drifton, Village of Drifton, Village of Park Place, S.R. 93 Newport Drive to Melrose Street, and Muir Avenue – Poplar Street to Carleton Avenue. The proposed modifications will improve HCA's ability to operate and maintain their system and increase the reliability of service. Also, by replacing the leaking distribution piping, a savings in water will be realized.

POPULATION: 45,000	PV RATING: 68
GREEN PROJECT: Yes	GREEN CATEGORY: Water Efficiency
BUSINESS CASE: N/A	GREEN AMOUNT: \$35,000

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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA- THE M. A. OF THE BOROUGH OF EDGEWORTH- LEAD SERVICE LINE REPL.	REGION: V	DEP PROJECT RATING: 50
STREET ADDRESS: 313 BEAVER ROAD	PWSID: 5020015	PROJRANK: 18
CITY: SEWICKLEY	FUND SOURCE: DWSRF	PROJECT COST: \$645,000
COUNTY: ALLEGHENY	MTGDATE: 10/20/2021	PROJECT TYPE: DS, LSL

PROJ. DESCRIPTION: The Municipal Authority of the Borough of Edgeworth is applying to PENNVEST as part of the WIFTA Lead Service Line Replacement Initiative. The project will consist of Edgeworth removing the existing lead service connections and replacing them with non-lead replacement lines. The Authority plans to replace approximately 75 lead service lines in Edgeworth Borough, Leetsdale Borough, and Leet Township. Note that PENNVEST will not support the partial replacement of lead service lines.

PROB. DESCRIPTION: The Municipal Authority of the Borough of Edgeworth (Edgeworth) currently owns and operates a Public Water Supply system in Allegheny County. Edgeworth's system has lead service lines within the distribution system. These lead service lines pose a risk to public health and need removed from the system.

POPULATION: 7,781	PV RATING: 65
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: PHILADELPHIA CITY - BAXTER CLEARWELL BASIN	REGION: I	DEP PROJECT RATING: 50
STREET ADDRESS: 1101 MARKET STREET	PWSID: 1510001	PROJRANK: 19
CITY: PHILADELPHIA	FUND SOURCE: DWSRF	PROJECT COST: \$125,000,000
COUNTY: PHILADELPHIA	MTGDATE: 4/20/2022	PROJECT TYPE: TREAT

PROJ. DESCRIPTION: The Philadelphia Water Department is proposing to construct two new, 5MG, below grade, two chamber clearwell basins equipped with green roof tops, to be known as Clearwell Basins 3&4. The basins will be constructed adjacent to Clearwell Basins 1&2, which are currently under construction. Each basin will have a volume of 5 MG, with a total volume of 20 MG which replaces the existing, oversized 50 MG clearwell, which has an effective volume of 20 MG. The new clearwells will feed the existing Torresdale and Lardner's Point Pump Station, providing redundancy and operational flexibility to the system.

PROB. DESCRIPTION: Philadelphia Water Department owns and operates the 120 year old Baxter Water Treatment Plant. The plant utilizes a single oversized, 120 year old, 50 million gallon clearwell to provide water to the Torresdale and Lardner's Point Pump Stations. The clearwell does not provide operational flexibility for maintenance or during an emergency event. Project will help manage consistent potable water to the service area.

POPULATION: 1,600,0	PV RATING: 65
GREEN PROJECT: Yes	GREEN CATEGORY: Green Roof
BUSINESS CASE: N/A	GREEN AMOUNT: \$5,000,000

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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: AQUA PA - NORTH HILLS WELL STATION PFAS TREATMENT SYSTEM	REGION: I	DEP PROJECT RATING: 50
STREET ADDRESS: 762 LANCASTER AVE.	PWSID: 1460073	PROJRANK: 20
CITY: BRYN MAWR	FUND SOURCE: STATE BYPASS	PROJECT COST: \$3,970,600
COUNTY: MONTGOMERY	MTGDATE: 10/21/2020	PROJECT TYPE: TREAT
PROJ. DESCRIPTION: This project proposes to install two ion exchange vessels and cartridge filtration in addition to upgrades to the chemical treatment systems and installation a new well pump. Treatment upgrades include a new sodium hypochlorite feed system with a larger double storage tank, separate ammonium sulfate and bimetallic phosphate feed systems. The proposed well pump will have the same capacity, however will operate at a higher pressure and will be equipped with a VFD. New electrical equipment and piping will be installed to accommodate the new equipments.		
PROB. DESCRIPTION: Current well station is old and need rehabilitation to include PFAS treatment. Project will help reduce/eliminate PFAS from the water and help system supply potable water to its customer.		
POPULATION: 79,710		PV RATING: 65
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: HAZLETON CITY AUTHORITY 2022 OPERATIONAL UPGRADE PART "B"	REGION: II	DEP PROJECT RATING: 50
STREET ADDRESS: 400 E. ARTHUR GARDNER PARKWAY	PWSID: 2408001	PROJRANK: 21
CITY: HAZLETON	FUND SOURCE: STATE BYPASS	PROJECT COST: \$3,500,000
COUNTY: LUZERNE	MTGDATE: 7/20/2022	PROJECT TYPE: SRC, TREAT

PROJ. DESCRIPTION: Project is to address the aging and deteriorated WTP facilities. HCA proposes the following: The existing raw water pumps at the WTP, in conjunction with the existing 24-inch raw water intake pipe and junction chamber from the Roan Reservoir, cannot supply the permitted capacity of 10 MGD to the WTP needed to meet system demand. Upgrading/replacing the existing four raw water pumps to 5 million gallons per day (MGD) pumps with variable frequency drives (VFDs) as well as constructing a new parallel 24-inch transmission/intake pipe from the Roan Reservoir to the WTP junction chamber are proposed to remedy the demand situation. To improve monitoring and control abilities, HCA proposes upgrading the SCADA system and filter/clarifier consoles, as the existing facilities are in poor condition and in need of repair and rehabilitation due to components no longer functioning effectively and some components being obsolete. HCA proposes to convert the existing chlorine dioxide system to include automatic controls and monitoring capability to enhance pre-treatment system operation. The existing lime chemical feed system for pH control is original to the WTP and the components are significantly worn and deteriorated compromising system reliability. HCA proposes to repair/replace two old lime mixing slurry tanks, feed pumps, valves, controls, and piping to improve lime feed operation as well as cleaning the existing static mixer to remove build-up since the static mixer has not been serviced since its installation. HCA flow paces chemical feed through two streaming current detectors (SCDs) which are old, drift and react slowly to sudden changes in plant flow and require significant maintenance by plant personnel. To improve operational efficiency, HCA proposes to replace the primary SCD with a new on line (SCADA) Zeta Potential Meter to enhance flow pacing using a more direct correlation thru electron potential for efficient clarifier flocculation operation and reduce chemical usage. Lastly, HCA has identified safety issues with existing access to the caustic bulk storage tank and electrical safety issues with the existing blower motor. HCA proposes to install custom steps, railing, and a platform to address operator safety issues with bulk caustic storage access. Electrical upgrades are needed to address safety issues encountered with the blower installation to prevent internal short circuiting encountered at the plant.

PROB. DESCRIPTION: Hazleton City Authority (HCA) operates and maintains a water treatment (WTP) plant serving the Greater Hazleton Area. The WTP and ancillary facilities were constructed in 1991 and system components are aging and in need of repair and rehabilitation. HCA recently conducted a Study and analysis which identified several deficiencies in overall operation and their ability to meet demand which this project attempts to address. Most notably, the existing raw water pumps at the WTP, in conjunction with the existing 24-inch raw water intake pipe and junction chamber from the Roan Reservoir, cannot supply the permitted capacity of 10 MGD to the WTP needed to meet system demand. Upgrading/replacing the existing four raw water pumps to 5 million gallons per day (MGD) pumps with variable frequency drives (VFDs) as well as constructing a new parallel 24-inch transmission/intake pipe from the Roan Reservoir to the WTP junction chamber are proposed to remedy the demand situation. To improve monitoring and control abilities, HCA proposes upgrading the SCADA system and filter/clarifier consoles, as the existing facilities are in poor condition and in need of repair and rehabilitation due to components no longer functioning effectively and some components being obsolete. HCA proposes the conversion of the existing chlorine dioxide system to include automatic controls and monitoring to enhance the pre-treatment system operation. The existing lime chemical feed system for pH control is original to the WTP and the components are significantly worn and deteriorated compromising system reliability. HCA proposes to repair/replace two old lime mixing slurry tanks, feed pumps, valves, controls, and piping to improve lime feed operation as well as

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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

cleaning the existing static mixer to remove build-up since the static mixer has not been serviced since its installation. HCA flow paces chemical feed through two streaming current detectors (SCDs) which are old, drift and react slowly to sudden changes in plant flow and require significant maintenance by plant personnel. To improve operational efficiency, HCA proposes to replace the primary SCD with a new on line (SCADA) Zeta Potential Meter to enhance flow pacing using a more direct correlation thru electron potential for efficient clarifier flocculation operation and reduce chemical usage. Lastly, HCA has identified safety issues with existing access to the caustic bulk storage tank and electrical safety issues with the existing blower motor. HCA proposes to install custom steps, railing, and a platform to address operator safety issues with bulk caustic storage access. Electrical upgrades are needed to address safety issues encountered with the blower installation to prevent internal short circuiting encountered at the plant.

POPULATION: 45,000	PV RATING: 75
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: BRADFORD CITY WATER AUTHORITY -LEAD ABATEMENT PROJECT WIFTA	REGION: VI	DEP PROJECT RATING: 49
STREET ADDRESS: 28 KENNEDY STREET	PWSID: 6420014	PROJRANK: 22
CITY: BRADFORD	FUND SOURCE: DWSRF	PROJECT COST: \$8,520,000
COUNTY: MCKEAN	MTGDATE: 7/23/2021	PROJECT TYPE: LSL

PROJ. DESCRIPTION: Proposed project includes replacement of approximately 16,800 linear feet of lead joint water mains and 573 lead service lines within the City of Bradford. Project will eliminate lead lines and joints from the distribution system.

PROB. DESCRIPTION: System has lead joint water mains and lead service lines within the City of Bradford which is potential health hazard to young children. Project will help eliminate lead from the water supply.

POPULATION: 18,000	PV RATING: 64
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA- EBENSBURG MA- HIGH STREET WATERLINE REPLACEMENT	REGION: V	DEP PROJECT RATING: 48
STREET ADDRESS: P.O.BOX 387	PWSID: 4110009	PROJRANK: 23
CITY: EBENSBURG	FUND SOURCE: DWSRF	PROJECT COST: \$2,071,375
COUNTY: CAMBRIA	MTGDATE: 10/20/2021	PROJECT TYPE: DS,LSL

PROJ. DESCRIPTION: Ebensburg is applying to PENNVEST as part of the WIFTA Lead Service Line Replacement Initiative. The project will consist of Ebensburg removing existing distribution main with lead joints and replacing it with new ductile iron main. Ebensburg will also remove leaded gooseneck service connections. The project will install approximately 4,140 linear feet of ductile iron distribution main. The project will take place in Ebensburg Borough. Note that PENNVEST will not support the partial replacement of lead service lines.

PROB. DESCRIPTION: Ebensburg Municipal Authority currently owns and operates a Public Water Supply system in Ebensburg Borough in Cambria County. Piping within Ebensburg's distribution system contains lead joints. These lead joints pose a risk to public health and need removed from the system.

POPULATION: 8,500	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
DRINKING WATER STATE REVOLVING FUND
FEDERAL FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: KITTANNING SUBURBAN JWA - WATER SYSTEM IMPROVEMENTS	REGION: VI	DEP PROJECT RATING: 47
STREET ADDRESS: P.O. BOX 103	PWSID: 5030043	PROJRANK: 24
CITY: KITTANNING	FUND SOURCE: STATE BYPASS	PROJECT COST: \$3,421,000
COUNTY: ARMSTRONG	MTGDATE: 4/22/2022	PROJECT TYPE: TREAT, WS

PROJ. DESCRIPTION: The Kittanning Suburban Joint Water Authority (KSJWA) proposes to replace the aged Miller storage tank with a new 300,000-gallon water tank and the demolition of the old tank along with the addition of a tank mixer; rehabilitation of the existing Nolder storage tank and the addition of a tank mixer; the rehabilitation of the Sistersville storage tank and the addition of a tank mixer; Installation of tank mixers in the existing Cadogan tank, Steele tank and Sugarcreek tank; retrofitting all filter beds with air scouring system to improve the filter backwashing system; the replacement of the filter media and the replacement of the existing antiquated SCADA system with a new SCADA system.

PROB. DESCRIPTION: The Kittanning Suburban Joint Water Authority (KSJWA) experiences leaks from the aged Miller storage tank, Also, the existing Nolder storage tank and the Sistersville storage tanks are due for maintenance and interior coating, all filter beds require air scouring system to improve the filter backwashing system along with the replacement of the filter media and the existing antiquated SCADA system is aged and does not capture all process control through out the plant. Water stagnation in the storage tanks is another problem and mixers need to be installed in the tanks for effective circulation of the water as well as elimination of ice accumulation.

POPULATION: 8,000	PV RATING: 52
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA- NANTY GLO WATER AUTHORITY- C.I.P. WATER LINE REPLACEMENT	REGION: V	DEP PROJECT RATING: 45
STREET ADDRESS: 872 CHESTNUT STREET	PWSID: 4110023	PROJRANK: 25
CITY: NANTY GLO	FUND SOURCE: DWSRF	PROJECT COST: \$2,242,000
COUNTY: CAMBRIA	MTGDATE: 10/20/2021	PROJECT TYPE: DS, LSL

PROJ. DESCRIPTION: Nanty Glo is applying to PENNVEST as part of the WIFTA Lead Service Line Replacement Initiative. The project will consist of Nanty Glo removing the existing ductile iron distribution main with lead joints, and replacing it with new ductile iron water main. Nanty Glo will also remove leaded gooseneck service connections. The project will remove and replace approximately 6,600' of cast iron distribution main along Sterling Avenue, Lloyd Streets, Roberts Street and Third Street in Nanty Glo Borough. Note that PENNVEST will not support the partial replacement of lead service lines.

PROB. DESCRIPTION: Nanty Glo Water Authority currently owns and operates a Public Water Supply system in Nanty Glo Borough in Cambria County. Piping within Nanty Glo's distribution system contains lead joints. These lead joints pose a risk to public health and need removed from the system. Nanty Glo Water Authority will remove and replace the existing ductile iron distribution main.

POPULATION: 4,076	PV RATING: 60
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA- HOLLIDAYSBURG BA- LEADED JOINT CAST IRON PIPE WATERLINE REP.	REGION: III	DEP PROJECT RATING: 45
STREET ADDRESS: 401 BLAIR STREET	PWSID: 4070017	PROJRANK: 26
CITY: HOLLIDAYSBURG	FUND SOURCE: DWSRF	PROJECT COST: \$2,495,232
COUNTY: BLAIR	MTGDATE: 10/20/2021	PROJECT TYPE: DS

PROJ. DESCRIPTION: The project includes the installation of approximately 8,090 linear feet of ductile iron water distribution main, services, 4 new fire hydrants and appurtenances along Penn Street, portions of Walnut Street, Allegheny Street, Mulberry Street and Blair Street. The proposed water mains will allow the decommissioning of existing cast iron water distribution main with leaded joints.

PROB. DESCRIPTION: The Authority's distribution system is comprised of old deteriorating cast iron piping with leaded joints 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: 8,523	PV RATING: 60
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: FORD CITY BOROUGH- 5TH AVENUE & 17TH ST WATERLINE REPL.WIFTA	REGION: VI	DEP PROJECT RATING: 45
STREET ADDRESS: P.O. BOX 112, NEALE AVE	PWSID: 5030005	PROJRANK: 27
CITY: FORD CITY	FUND SOURCE: DWSRF	PROJECT COST: \$1,775,000
COUNTY: ARMSTRONG	MTGDATE: 7/23/2021	PROJECT TYPE: DS,LSL

PROJ. DESCRIPTION: Project includes replacement of approximately 2,250 linear feet of lead joint water main and 100 linear feet of valve cluster piping and potential lead service line connections.

PROB. DESCRIPTION: Lead joint water mains, lead service lines in the distribution system exists within the service area. Project will help eliminate potential lead contamination from the water supply.

POPULATION: 2,991	PV RATING: 68
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA- HASTINGS MA- KIRKPATRICK ST. & 6TH AVE.LINE REPL.- PHASE 2	REGION: V	DEP PROJECT RATING: 45
STREET ADDRESS: P.O. BOX 559	PWSID: 4110013	PROJRANK: 28
CITY: HASTINGS	FUND SOURCE: DWSRF	PROJECT COST: \$676,240
COUNTY: CAMBRIA	MTGDATE: 10/20/2021	PROJECT TYPE: DS, LSL

PROJ. DESCRIPTION: Hastings is applying to PENNVEST as part of the WIFTA PENNVEST Lead Service Line Replacement Initiative. The project will consist of Hastings removing the existing distribution main with lead joints and replacing it with new ductile iron main. The project will remove and replace approximately 1,840' of distribution main, lead gooseneck service connections, as well as hydrants and other appurtenances along Kirkpatrick Street and 6th Avenue in Hastings Borough. Note that PENNVEST will not support the partial replacement of lead service lines. The project is the second phase in a larger lead service line replacement project.

PROB. DESCRIPTION: Hastings Municipal Authority currently owns and operates a Public Water Supply system in Hastings Borough in Cambria County. Piping within Hastings' distribution system contains leaded joints. These lead joints pose a risk to public health and need removed from the system. Hastings will remove and replace the existing distribution main.

POPULATION: 2,100	PV RATING: 60
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA - RIMERSBURG BOROUGH M. A. LEAD LINE REPLACEMENT PROJECT	REGION: VI	DEP PROJECT RATING: 45
STREET ADDRESS: BOX 413 104 ACME STREET	PWSID: 6160012	PROJRANK: 29
CITY: RIMERSBURG	FUND SOURCE: DWSRF	PROJECT COST: \$999,985
COUNTY: CLARION	MTGDATE: 10/20/2021	PROJECT TYPE: DS

PROJ. DESCRIPTION: The existing water lines within the project area are currently comprised of cast iron pipe with lead joints and lead gooseneck fittings connecting service line laterals. The cast iron pipe within the project area was installed in the early 1920s and is deteriorating.

PROB. DESCRIPTION: Rimersburg is seeking WIFTA funding for the project. The project includes the replacement of approximately 1,900 linear feet of 4-inch cast iron water mains with lead joints with 8-inch and 12-inch plastic water mains. The project will begin at the intersection of Chestnut St. and Cherry Run St. and then extend to the intersection of Cherry Run St. and Main St. (SR 68). From there, it will run north to the intersection of Main St. (SR 68) and Mill Alley. The Main St. line will also be connected to the intersection of Eccles St. and Lawsonham St. as well as the intersection of Eccles St. and Mill Alley. Project mapping is attached. All waterlines within the project area are cast iron with lead joints, including the loop portions of the project along Lawsonham St. and Mill St., and the project will remove lead joints and lead goosenecks from the project area.

POPULATION: 1,873	PV RATING: 64
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA - BROOKVILLE MUNICIPAL AUTHORITY - MAIN STREET WATERLINE REPL.	REGION: VI	DEP PROJECT RATING: 45
STREET ADDRESS: TRHEE JEFFERSON COURT	PWSID: 6330004	PROJRANK: 30
CITY: BROOKVILLE	FUND SOURCE: DWSRF	PROJECT COST: \$1,950,000
COUNTY: JEFFERSON	MTGDATE: 10/20/2021	PROJECT TYPE: DS

PROJ. DESCRIPTION: Replacement of lead joint pipe, service connections and fittings . Project will remove lead from distribution system, improve flow and pressure, and improve fire protection to the business district of Brookville by installing 3,000 lf of 12-inch diameter ductile iron water pipe and associated replacement service piping.

PROB. DESCRIPTION: Main Street (SR 322) water distribution system, installed in the early 1900's, includes aged, leaking, lead joint water pipes and fittings. Authority plans to replace existing 8-inch diameter lead joint pipe with 3,000 lf 12-inch diameter C-900 PVC pipe and replace 62 commercial or residential lead service connections

POPULATION: 6,220	PV RATING: 60
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: CAPITAL REGION WATER - DRINKING WATER SYSTEM IMPROVEMENTS (PRO-FI)	REGION: III	DEP PROJECT RATING: 44
STREET ADDRESS: 1690 SO. 19TH ST.	PWSID: 7220049	PROJRANK: 31
CITY: HARRISBURG	FUND SOURCE: DWSRF	PROJECT COST: \$36,500,000
COUNTY: DAUPHIN	MTGDATE: 4/20/2021	PROJECT TYPE: DS, DAM, METER

PROJ. DESCRIPTION: This is a Programmatic Finance project with multiple phases. Phase 1 - This project phase will replace approximately 6,300 linear feet of water main in the Allison Hill neighborhood of Harrisburg which have observed performance deficiencies. Associated pipes, valves and hydrants will also be replaced. Phase 2 - The project phase will rehabilitate approximately 3,500 ft of 20 inch diameter cast iron pipe with a cured-in-place lining along portions of Cameron Street, which has experienced numerous water main breaks and broken valves. Associated pipes, valves and hydrants will also be replaced. Phase 3 - This project phase will replace the existing radio read system with a remote read system consisting of new base stations, and approximately 20,000 customer water meters. Phase 4 - The project phase will provide improvement to bring the dam spillway into regulatory compliance. Installation of piping at the toe to collect and monitor seepage and raising the embankment with a parapet to protect against wave action during flood events.

PROB. DESCRIPTION:he system has been experiencing performance deficiencies in portions of their distribution system. System also experience issues with water use data collection and an inadequate spillway capacity and other regulatory deficiencies at their Dehart Dam.

POPULATION: 66,540	PV RATING: 69
GREEN PROJECT: Yes	GREEN CATEGORY: Water Efficiency
BUSINESS CASE: Not Required	GREEN AMOUNT: \$7,050,000

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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: ALEXANDRIA BOROUGH WATER AUTHORITY - WATER SYSTEM IMPROVEMENTS	REGION: III	DEP PROJECT RATING: 43
STREET ADDRESS: PO BOX 336	PWSID: 4310021	PROJRANK: 32
CITY: ALEXANDRIA	FUND SOURCE: DWSRF	PROJECT COST: \$9,450,000
COUNTY: HUNTINGDON	MTGDATE: 10/20/2021	PROJECT TYPE: DS, TREAT, WS

PROJ. DESCRIPTION: Replace approximately 40,000 linear feet of water main. The Authority is also proposing to replace pre-filter strainers, raw water feed tank, air compressor, valves, chemical feed pumps, transfer pumps, flow meters, turbidimeters, pressure switches, pressure and temperature transmitters, chlorine analyzers, check valves, O-rings, gaskets, finished water booster pumps, waste pumps, backwash pumps, and submersible pumps as well as installing a new supervisory control and data acquisition (SCADA) system. A 300,000-gallon finished water storage tank is also proposed to add more finished water storage.

PROB. DESCRIPTION: The distribution piping is around 100 years old and past its life expectancy. Many components of the distribution system are almost 20 years old and at the end of their useful lives. The system is also in need of additional finished water storage to help meet peak demand.

POPULATION: 815	PV RATING: 67	
GREEN PROJECT: Yes	GREEN CATEGORY: Water Efficiency	
BUSINESS CASE: Not Required	GREEN AMOUNT: \$175,000	

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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA MINERSVILLE LEAD LINE REPLACEMENT PROJECT	REGION: II	DEP PROJECT RATING: 42
STREET ADDRESS: 2 E SUNBURY ST	PWSID: 3540035	PROJRANK: 33
CITY: MINERSVILLE	FUND SOURCE: DWSRF	PROJECT COST: \$2,745,100
COUNTY: SCHUYLKILL	MTGDATE: 10/20/2021	PROJECT TYPE: DS

PROJ. DESCRIPTION: The Minersville Water Authority proposes the replacement of approximately 6,500 liner feet of 6-inch to 8-inch cast iron water mains in the Borough of Minersville, Schuylkill County containing lead joints. Replacements are planned in the areas of Forbes Street, Jones Street, Third Street and North Street in the Borough of Minersville, Schuylkill County. Estimated lengths are 215 feet on Fourth Street; 1,200 feet on Jones Street; 1,315 feet on Third Street; and 3,770 feet on North Street. Dual mains are proposed on North Street in order to improve system functionality, avoid utility conflicts, limit restoration, and shorten customer service lines from approximately 40 feet each to approximately 10 feet each. These areas are known from past experience with repairs in the areas to be replaced. They are also proposing the replacement of approximately 150 existing service lines in these areas from the main to the curb stop. The existing corporations and curb stops are pre-1986 construction and therefore do not meet today's standards for lead free fittings. The proposed project will include all necessary water line appurtenances associated with the watermains and service line replacements such as valves, shut-offs, water main construction, manways, etc. Found necessary during the water mains and service line replacements and installation. The improvements will enhance Minersville's ability to operate and maintain the system and increase the reliability of service.

PROB. DESCRIPTION: Existing cast iron water mains identified as part of this project are older and may contain lead joints based on past repairs conducted in the area. Removal and replacement of the water mains with lead joints and the service lines which do not meet today's standards for lead free fittings is desired and considered necessary in order to ensure continued compliance with the Department's Lead and Copper Rule, Title 25 Chapter 109, Subchapter K.

POPULATION: 7,275	PV RATING: 57
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA - REDBANK VALLEY MUNICIPAL AUTHORITY METER REPLACEMENT	REGION: VI	DEP PROJECT RATING: 42
STREET ADDRESS: 212 LAFAYETTE ST	PWSID: 6160010	PROJRANK: 34
CITY: NEW BETHLEHEM	FUND SOURCE: DWSRF	PROJECT COST: \$830,800
COUNTY: CLARION	MTGDATE: 10/20/2021	PROJECT TYPE: METER

PROJ. DESCRIPTION: The Authority provides service to 1,088 metered connections and proposing to replace all of its meters that contain lead components to better account for water usage and to assist in meeting the reduction of lead in drinking water.

PROB. DESCRIPTION: According to the 2019 Primary Facility Report, the Authority reported that their unaccounted for water is 44%. A review of a sample of the residential meters revealed that half were not registering accurate values, averaging 18,750 gallons per month. It is anticipated that 25% of unaccounted for water is a result of aged water meters.

POPULATION: 3,150	PV RATING: 57
GREEN PROJECT: Yes	GREEN CATEGORY: Water Efficiency
BUSINESS CASE: Not Required	GREEN AMOUNT: \$536,100

APPLICANT NAME: GREENVILLE BOROUGH MUNICIPAL AUTHORITY - PHASE 1. WIFTA	REGION: VI	DEP PROJECT RATING: 42
STREET ADDRESS: 44 CLINTON STREET, P O BOX 638	PWSID: 6430037	PROJRANK: 35
CITY: GREENVILLE	FUND SOURCE: DWSRF	PROJECT COST: \$4,059,160
COUNTY: MERCER	MTGDATE: 7/23/2021	PROJECT TYPE: DS, LSL

PROJ. DESCRIPTION: Authority proposes to replace approximately 12,000 linear feet of various water mains and service lines along Plum, Washington, Clinton and South Second Streets, N. Race Street Ext. and Ridge Avenue in Greenville. The replacement entails approximately 126 service connections known to have lead service lines on various streets throughout the town. This is Phase I of the Authority's lead line replacement program.

PROB. DESCRIPTION: Various water main and service lines along Plum, Washington, Clinton and South Second Streets, N. Race Street Ext. and Ridge Avenue in Greenville have lead service lines. The identified areas of the distribution system that contain lead components have a history of breaks and severe tuberculation.

POPULATION: 8,600	PV RATING: 71
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: ERIE CITY WATER AUTHORITY - SERVICE LINE REPLACEMENT. WIFTA	REGION: VI	DEP PROJECT RATING: 41
STREET ADDRESS: 340 WEST BAYFRONT PARKWAY	PWSID: 6250028	PROJRANK: 36
CITY: ERIE	FUND SOURCE: DWSRF	PROJECT COST: \$6,500,000
COUNTY: ERIE	MTGDATE: 7/23/2021	PROJECT TYPE: LSL

PROJ. DESCRIPTION: The project will include the replacement of approximately 1,300 existing service connections, from existing water mains in the City of Erie, Lawrence Park Township, and Wesleyville Borough. Service connections to be replaced consist of wrought iron pipe which is attached to water mains by lead 'goosenecks', the short-curved section of pipe between the water main and the property line curb box. The work will include the associated excavation, backfill, and restoration necessary to replace the leaded gooseneck service connections.

PROB. DESCRIPTION: Authority has identified the presence of lead goosenecks within some of the aged wrought iron water distribution service lines, specifically in Lawrence Park Township, Millcreek Township, and Wesleyville Borough. 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.

POPULATION: 180,000	PV RATING: 56
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: BELLWOOD BA- CAST IRON WATER DISTRIBUTION MAIN REPL. WIFTA	REGION: III	DEP PROJECT RATING: 40
STREET ADDRESS: 610 CAMBRIA ST.	PWSID: 4070009	PROJRANK: 37
CITY: BELLWOOD	FUND SOURCE: DWSRF	PROJECT COST: \$1,569,904
COUNTY: BLAIR	MTGDATE: 7/23/2021	PROJECT TYPE: DS

PROJ. DESCRIPTION: The Authority will install approximately 4,000 linear feet of 16" diameter water main along State Route 865 to replace the existing cast iron/lead water main.

PROB. DESCRIPTION: There is currently 100+ year old cast iron/lead water main in the distribution system with leaded joints and leaded gooseneck services which could be a source of potential contamination to the system and could cause health concerns for residents, while also could be subject to leaks due to the old age.

POPULATION: 3,162	PV RATING: 55
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: WIFTA- BELLWOOD BA- S.R. 865 LEADED JOINT WATERLINE REPL. PHASE 2	REGION: III	DEP PROJECT RATING: 40
STREET ADDRESS: 610 CAMBRIA ST.	PWSID: 4070009	PROJRANK: 38
CITY: BELLWOOD	FUND SOURCE: DWSRF	PROJECT COST: \$1,157,062
COUNTY: BLAIR	MTGDATE: 10/20/2021	PROJECT TYPE: DS

PROJ. DESCRIPTION: The Authority will install approximately 3,015 linear feet of 16-inch diameter water main along State Route 865 from the end of Phase 1 of the project to North Second Street to replace the existing cast iron/lead water main.

PROB. DESCRIPTION: The Authority has 100+ year old cast iron/lead water main in the distribution system with leaded joints and leaded gooseneck services which could be a source of potential contamination to the system and could cause health concerns for residents, while also could be subject to leaks due to the old age.

POPULATION: 3,162	PV RATING: 55
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: TOWANDA M. A. - MONROE BOROUGH WATER LINE REPLACEMENT. WIFTA	REGION: IV	DEP PROJECT RATING: 40
STREET ADDRESS: 724 MAIN STREET	PWSID: 2080029	PROJRANK: 39
CITY: TOWANDA	FUND SOURCE: DWSRF	PROJECT COST: \$2,234,500
COUNTY: BRADFORD	MTGDATE: 7/23/2021	PROJECT TYPE: DS, LSL

PROJ. DESCRIPTION: The project will include the replacement of approximately 7,600 linear feet of existing 100+ year old, 10" and 6" diameter cast iron pipe and associated service connections, with 10" and 8" diameter ductile iron pipe and modern, lead-free service connections and laterals.

PROB. DESCRIPTION: There is approximately 7,600 linear feet of existing 100+ year old, 10-inch and 6-inch diameter cast iron pipe and associated service connections that are lead water lines.

POPULATION: 5,000	PV RATING: 55
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: PHILADELPHIA - LINEAR ASSETS DRINKING WATER LINE REPLACEMENT PRO-FI	REGION: I	DEP PROJECT RATING: 40
STREET ADDRESS: 1101 MARKET STREET	PWSID: 1510001	PROJRANK: 40
CITY: PHILADELPHIA	FUND SOURCE: DWSRF	PROJECT COST: \$40,355,602
COUNTY: PHILADELPHIA	MTGDATE: 10/20/2021	PROJECT TYPE: DS

PROJ. DESCRIPTION: Philadelphia Water Department is proposing to replace 19.46 miles of 100-year old main in various sections of the City and replace the pavement.

PROB. DESCRIPTION: Philadelphia Water Department (PWD) owns 300 miles of water main in the City of Philadelphia. Throughout the years, PWD has experienced leaks and made prompt repairs to older water lines. No significant outages have occurred. As part of the City's capital improvement plan, 40 miles are replaced each year. The PWD is now proposing to replace approximately 20 miles of 100 year old water lines.

POPULATION: 1,600,0	PV RATING: 55
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA- M. A. OF BORO OF BEDFORD- LEAD JOINT CAST IRON WTR MAIN REPL.	REGION: III	DEP PROJECT RATING: 40
STREET ADDRESS: 244 WEST PENN STREET	PWSID: 4050002	PROJRANK: 41
CITY: BEDFORD	FUND SOURCE: DWSRF	PROJECT COST: \$1,447,500
COUNTY: BEDFORD	MTGDATE: 10/20/2021	PROJECT TYPE: DS

PROJ. DESCRIPTION: The project includes the installation of approximately 4,280 linear feet of PVC C900 water distribution main, services, 4 fire hydrants and appurtenances along King Street, Preston Street, Fyan Lane, Green Lane & Walnut Street. 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: 55
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: WIFTA POTTSTOWN BOROUGH AUTHORITY 2021 LEAD SERVICE REPL.	REGION: I	DEP PROJECT RATING: 40
STREET ADDRESS: CITY HALL 241 EAST KING STREET	PWSID: 1460037	PROJRANK: 42
CITY: POTTSTOWN	FUND SOURCE: DWSRF	PROJECT COST: \$6,072,000
COUNTY: MONTGOMERY	MTGDATE: 10/20/2021	PROJECT TYPE: DS, LSL

PROJ. DESCRIPTION: Pottstown Borough Authority is proposing to replace approximately 700 lead service lines and associated appurtenances.

PROB. DESCRIPTION: Properties located in the Northern section of the Borough of Pottstown, constructed prior to 1955, have been identified as having critical water infrastructure, consisting of lead service lines. At this time, no Maximum Contaminate level or Action Level has been exceeded.

POPULATION: 36,000	PV RATING: 55
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: MT. GRETNA CAMPMEETING ASSOCIATION, INC.-WATER STORAGE TANK REPL.	REGION: III	DEP PROJECT RATING: 40
STREET ADDRESS: PO BOX 428	PWSID: 7380023	PROJRANK: 43
CITY: MT. GRETNA	FUND SOURCE: STATE BYPASS	PROJECT COST: \$1,404,527
COUNTY: LEBANON	MTGDATE: 4/20/2022	PROJECT TYPE: WS, TREAT

PROJ. DESCRIPTION: The system plans to demolish and replace the existing failing storage tank with a new welded steel storage tank and elevated platform. Improvement to chemical feed equipment and analyzers will improve reliability.

PROB. DESCRIPTION: The system's finished water storage tank is in poor condition and needs to be replaced. Project will help system to supply uninterrupted potable water to the service area.

POPULATION: 375	PV RATING: 45
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: CORAOPOLIS M. A. - 2021 LEAD JOINT LINE REPL. MAIN REPL.	REGION: V	DEP PROJECT RATING: 40
STREET ADDRESS: 1012 FIFTH AVENUE	PWSID: 5020010	PROJRANK: 44
CITY: CORAOPOLIS	FUND SOURCE: DWSRF	PROJECT COST: \$1,117,000
COUNTY: ALLEGHENY	MTGDATE: 7/23/2021	PROJECT TYPE: DS, LSL

PROJ. DESCRIPTION: Proposed project includes the installation of approximately 2,200 linear feet of 6-inch diameter lead joint waterline including valves, reconnections to the existing water system, reconnections to existing hydrants, reconnection of 44 existing water service connections, full replacement of lead water service connections encountered, replacement of 44 leaded-brass water service meters, and all necessary appurtenances and restoration for said construction.

PROB. DESCRIPTION: The purpose of this project is to remove existing lead joint water mains and lead service lines in the Coraopolis Water and Sewer Authority (CWSA) service area to improve the overall water quality and reduce the health risk that is present due to the aging lines. While CWSA has not encountered Action Level exceedances, it remains dedicated to a proactive approach to promote sustainability of the water systems, including waterline replacement projects involving lead-containing waterlines.

POPULATION: 6,000	PV RATING: 55
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: GREENFIELD TOWNSHIP MA- NEW WATER TREATMENT FACILITY PROJECT	REGION: III	DEP PROJECT RATING: 38
STREET ADDRESS: RD #1, BOX 948	PWSID: 4070058	PROJRANK: 45
CITY: CLAYSBURG	FUND SOURCE: STATE BYPASS	PROJECT COST: \$2,900,000
COUNTY: BLAIR	MTGDATE: 10/20/2021	PROJECT TYPE: SRC, TREAT

PROJ. DESCRIPTION: The Greenfield Township Municipal Authority (GTMA) is proposing the development of a new groundwater source (well #4) capable of pumping 504,000 gallons per day (GPD). A disinfection facility will be constructed for well #4 effluent.

PROB. DESCRIPTION: The system currently has two well sources, well #1 and well #3 each capable of pumping 540,000 GPD and 230,000 GPD, respectively. The average daily flow is about 162,000 GPD with peak demand of 255,000 GPD. The system is unable to meet adequate source redundancy during peak water demand. The new source will provide the system with sufficient water to meet peak demand in the event well #3 is offline.

POPULATION: 2,500	PV RATING: 43
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: FREEDOM TOWNSHIP WSA - EVERETT ROAD WATER PROJECT	REGION: III	DEP PROJECT RATING: 38
STREET ADDRESS: R.D.#4 BOX 260	PWSID: 4070002	PROJRANK: 46
CITY: DUNCANVILLE	FUND SOURCE: DWSRF	PROJECT COST: \$1,750,282
COUNTY: BLAIR	MTGDATE: 7/23/2021	PROJECT TYPE: DS

PROJ. DESCRIPTION: The Authority has proposed to install approximately 8,700-linear feet of ductile iron water main in order to extend the existing distribution system to 86 new residents currently on private wells. The extension will also allow the system to provide fire protection to the area.

PROB. DESCRIPTION: Residents apart of an unserved area of the Township have low yield wells with some are testing positive for E.coli and Total Coliform. Project will eliminate contaminated private wells and provide potable water to the area residents.

POPULATION: 1,400	PV RATING: 61
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: LINESVILLE BORO. WEST ERIE ST. LEAD LINE ABATEMENT. WIFTA	REGION: VI	DEP PROJECT RATING: 37
STREET ADDRESS: 103 W. ERIE STREET	PWSID: 6200027	PROJRANK: 47
CITY: LINESVILLE	FUND SOURCE: DWSRF	PROJECT COST: \$775,994
COUNTY: CRAWFORD	MTGDATE: 7/23/2021	PROJECT TYPE: LSL, DS

PROJ. DESCRIPTION: Approximately 2,300 LF of existing 4"- Cast Iron line will be abandoned in place and new 2,320 LF of 8"- PVC C-900 will be installed under the current side walk due to utility conflicts and being able to keep the existing line in service during construction. This includes the replacement of all service lines on the Borough side of curb stop, curb stops, replace 2 Fire Hydrants with lead components, replace any residential lead service lines found during construction and connect to existing lines and looping dead-ends.

PROB. DESCRIPTION: Existing 2,300 feet of 4-inch galvanized waterlines on West Erie Street from the Penn Street Intersection west to the Borough line were constructed in early 1900's. The identified areas of the distribution system that contain lead components have a history of breaks and severe tuberculation. These waterlines contain lead joints and lead goose necks that need replacement.

POPULATION: 1,600	PV RATING: 52
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA - LINESVILLE BOROUGH - EAST ERIE STREET LEAD LINE ABATEMENT	REGION: VI	DEP PROJECT RATING: 37
STREET ADDRESS: 103 W. ERIE STREET	PWSID: 6200027	PROJRANK: 48
CITY: LINESVILLE	FUND SOURCE: DWSRF	PROJECT COST: \$1,073,220
COUNTY: CRAWFORD	MTGDATE: 10/20/2021	PROJECT TYPE: DS, LSL

PROJ. DESCRIPTION: Propose project will abandon approximately 2040 linear feet of existing 4-inch diameter Cast Iron line, with a new 2040 LF of 8-inch diameter PVC C-900 pipe to be installed under the current side walk due to utility conflicts and being able to keep the existing line in service during construction.
-Project also replace all service lines on the Borough side of curb stop, replace all curb stops, remove & replace lead component fire hydrant, replace any residential lead service lines found during construction, connect to existing lines.

PROB. DESCRIPTION: The system was installed in the early 1900's with a cast iron mainline piping material with lead mainline joint material and lead gooseneck piping to service connections. There are currently 26 residences connected to the existing 4-inch diameter cast iron line on East Erie Street to the intersection with Chestnut Street. There is one fire hydrant on the cast iron water line contains lead component.

POPULATION: 1,600	PV RATING: 52
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA - ROARING SPRING MUNICIPAL AUTHORITY - WATERLINE REPL. PROJECT	REGION: III	DEP PROJECT RATING: 35
STREET ADDRESS: P.O.BOX 33	PWSID: 4070019	PROJRANK: 49
CITY: ROARING SPRING	FUND SOURCE: DWSRF	PROJECT COST: \$3,050,000
COUNTY: BLAIR	MTGDATE: 10/20/2021	PROJECT TYPE: DS

PROJ. DESCRIPTION: Proposed project includes approximately 12,150 linear feet of existing cast iron mains replacement with PVC (DR18 C900) piping. Water service lines will be replaced to the right-of-way or to the structure foundation if lead lines are discovered.

PROB. DESCRIPTION: The existing Roaring Spring Municipal Authority distribution system is more than 100 years. Sections of the aged piping have been subject to leaks/breaks and also pose community health risks since there are sections of cast iron piping and leaded joints.

POPULATION: 3,182	PV RATING: 50
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: HASTINGS MA- SPANGLER ST. & 3RD AVE. LINE REPL. WIFTA	REGION: V	DEP PROJECT RATING: 35
STREET ADDRESS: P.O. BOX 559	PWSID: 4110013	PROJRANK: 50
CITY: HASTINGS	FUND SOURCE: DWSRF	PROJECT COST: \$2,054,884
COUNTY: CAMBRIA	MTGDATE: 7/23/2021	PROJECT TYPE: DS, LSL

PROJ. DESCRIPTION: Hastings is applying to PENNVEST as part of the WIFTA PENNVEST Lead Service Line Replacement Initiative. The project will consist of Hastings removing the existing distribution main with lead joints, and replacing it with new ductile iron main. The project will remove and replace approximately 6200' of distribution main, as well as hydrants and other appurtenances. Note that PENNVEST will not support the partial replacement of lead service lines.

PROB. DESCRIPTION: Hastings Municipal Authority currently owns and operates a Public Water Supply system in Hastings Borough in Cambria County. Piping within Hastings' distribution system contains lead joints. These lead joints pose a risk to public health and need removed from the system. Hastings will remove and replace the existing distribution main.

POPULATION: 2,100	PV RATING: 54
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA - KNOX BOROUGH - SOUTH MAIN & PETROLIA STREET WATERLINE REPL.	REGION: VI	DEP PROJECT RATING: 35
STREET ADDRESS: P.O. BOX 366	PWSID: 6160005	PROJRANK: 51
CITY: KNOX	FUND SOURCE: DWSRF	PROJECT COST: \$2,420,000
COUNTY: CLARION	MTGDATE: 10/20/2021	PROJECT TYPE: DS

PROJ. DESCRIPTION: Replace lead joint pipe with 7,600 linear feet 8-inch diameter C-900 PVC and 106 service connections with HDPE pipe, 7 hydrants which have lead components and 34 main line water valves with leaded joints.

PROB. DESCRIPTION: Borough of Knox needs to replace the existing 4-inch diameter, leaded joint cast iron pipe, 106 leaded service connections and fittings due to it being aged and leaking.

POPULATION: 1,380	PV RATING: 50
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: WIFTA- FORD CITY BOROUGH- BC3 & 3RD AVENUE WATERLINE REPL.	REGION: VI	DEP PROJECT RATING: 35
STREET ADDRESS: P.O. BOX 112, NEALE AVE	PWSID: 5030005	PROJRANK: 52
CITY: FORD CITY	FUND SOURCE: STATE BYPASS	PROJECT COST: \$1,560,500
COUNTY: ARMSTRONG	MTGDATE: 10/20/2021	PROJECT TYPE: DS

PROJ. DESCRIPTION: Install 3,700 linear feet of C-900 PVC watermains, new lead free service connections and fittings and 3 new fire hydrants along 3rd & 4th Avenues and 11th Street in Ford City Borough

PROB. DESCRIPTION: Lead joint cast iron pipe, service connections and fittings which have experienced breaks and leaks are to be replaced so to reduce the health concern to Borough customers and improve system reliability.

POPULATION: 2,991	PV RATING: 54
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: WIFTA - YOUNGSVILLE BOROUGH - LEAD LINE REMOVAL	REGION: VI	DEP PROJECT RATING: 35
STREET ADDRESS: 40 RAILROAD STREET	PWSID: 6620039	PROJRANK: 53
CITY: YOUNGSVILLE	FUND SOURCE: DWSRF	PROJECT COST: \$534,000
COUNTY: WARREN	MTGDATE: 10/20/2021	PROJECT TYPE: DS

PROJ. DESCRIPTION: Project includes replacement of 65 lead service connections along North Main Street Rt. 27 to eliminate lead components from the distribution system.

PROB. DESCRIPTION: Existing 65 lead "gooseneck" service connections along North Main Street (Rt. 27), which have history of leakage are to be replaced with copper services from the main to the curb stop. Project will help system eliminate lead from potable water supply.

POPULATION: 2,004	PV RATING: 50
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: ERIE CITY WATER AUTHORITY - SERVICE LINE REPLACEMENT PHASE TWO	REGION: VI	DEP PROJECT RATING: 0
STREET ADDRESS: 340 WEST BAYFRONT PARKWAY	PWSID: 6250028	PROJRANK: 54
CITY: ERIE	FUND SOURCE: DWSRF	PROJECT COST: \$18,000,000
COUNTY: ERIE	MTGDATE:	PROJECT TYPE: DS, LSL

PROJ. DESCRIPTION: Erie City Water Authority is proposing to replace or abandon (for those services which are inactive) approximately 2,700 total service connections within the City of Erie over a period of approximately one year (2023). Selection of the service connections to be replaced is based on myriad factors including focusing on areas of densely concentrated service connections and disadvantaged areas of the City of Erie as documented by the University of Wisconsin Neighborhood Atlas.

PROB. DESCRIPTION: Erie Water Works (EWW) has approximately 9,000 wrought iron service connections within its distribution system, the remaining majority of which are located in the City of Erie. These wrought iron service connections are attached to the water main by a lead gooseneck between the corporation stop and the curb stop on the utility owned "public side". EWW has maintained a service connection replacement program for over 17 years to replace these water services as part of its overall capital improvements program. EWW typically replaces about 200 to 300 each year, often coordinating in advance of planned state or municipal paving projects in order to minimize restoration expenses. Many of these service connections, when excavated, are found to be deteriorated, corroded, and often leaking. In some cases, leaks are so significant that replacement becomes necessary for that reason alone.

POPULATION: 190,000	PV RATING: 0
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: AQUA PENNSYLVANIA EDGELY (BRISTOL)	REGION: I	DEP PROJECT RATING: 0
STREET ADDRESS: 250 POND STREET	PWSID: 1090001	PROJRANK: 55
CITY: BRISTOL	FUND SOURCE: DWSRF	PROJECT COST: \$5,000,000
COUNTY: BUCKS	MTGDATE:	PROJECT TYPE: TREAT

PROJ. DESCRIPTION: Project would address PFAS contamination in the source water. PFAS treatment will be provided by the project. Project will be to construct a building to house GAC filters to remove PFAS at a rate of 2.0 mgd. Project costs are based on planning level estimate.

PROB. DESCRIPTION: Existing source water consists of elevated level of PFAS. Project will address the elevated levels of PFAS from finished water to the service area.

POPULATION: 28,750	PV RATING: 0
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: AQUA PENNSYLVANIA CHALFONT WELL NO 11 TREATMENT	REGION: I	DEP PROJECT RATING: 0
STREET ADDRESS: P O BOX 80	PWSID: 1090005	PROJRANK: 56
CITY: CHALFONT	FUND SOURCE: DWSRF	PROJECT COST: \$4,500,000
COUNTY: BUCKS	MTGDATE:	PROJECT TYPE: TREAT

PROJ. DESCRIPTION: Project would address PFAS contamination in the source water. PFAS treatment will be provided by the project. Project will be to anion exchange resin treatment to remove PFAS for a 300 gallons per minute source. Project costs are based on planning level estimate.

PROB. DESCRIPTION: Existing source water consists of elevated level of PFAS. Project will address the elevated levels of PFAS from finished water to the service area.

POPULATION: 5,900	PV RATING: 0
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: AQUA PENNSYLVANIA HATBORO	REGION: I	DEP PROJECT RATING: 0
STREET ADDRESS: 414 S. YORK ROAD	PWSID: 1460028	PROJRANK: 57
CITY: HATBORO	FUND SOURCE: DWSRF	PROJECT COST: \$5,500,000
COUNTY: MONTGOMERY	MTGDATE:	PROJECT TYPE: TREAT

PROJ. DESCRIPTION: Project would address PFAS contamination in the source water. PFAS treatment will be provided by the project. Treatment will consist of anion exchange resin in two pressure vessels. Production from the two wells will be 420 gallons per minute. Project costs are based on planning level estimate.

PROB. DESCRIPTION: Existing source water consists of elevated level of PFAS. Project will address the elevated levels of PFAS from finished water to the service area.

POPULATION: 13,300	PV RATING: 0
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: ERIE CITY WATER AUTHORITY - SERVICE LINE REPLACEMENT PHASE THREE	REGION: VI	DEP PROJECT RATING: 0
STREET ADDRESS: 340 WEST BAYFRONT PARKWAY	PWSID: 6250028	PROJRANK: 58
CITY: ERIE	FUND SOURCE: DWSRF	PROJECT COST: \$7,631,816
COUNTY: ERIE	MTGDATE:	PROJECT TYPE: DS, LSL

PROJ. DESCRIPTION: Erie City Water Authority is proposing to replace or abandon (for those services which are inactive) approximately 1,100 total service connections within the City of Erie over a period of approximately one year (2023). Selection of the service connections to be replaced is based on myriad factors including focusing on areas of densely concentrated service connections and disadvantaged areas of the City of Erie as documented by the University of Wisconsin Neighborhood Atlas.

PROB. DESCRIPTION: Erie Water Works (EWW) has approximately 9,000 wrought iron service connections within its distribution system, the remaining majority of which are located in the City of Erie. These wrought iron service connections are attached to the water main by a lead gooseneck between the corporation stop and the curb stop on the utility owned "public side". EWW has maintained a service connection replacement program for over 17 years to replace these water services as part of its overall capital improvements program. EWW typically replaces about 200 to 300 each year, often coordinating in advance of planned state or municipal paving projects in order to minimize restoration expenses. Many of these service connections, when excavated, are found to be deteriorated, corroded, and often leaking. In some cases, leaks are so significant that replacement becomes necessary for that reason alone.

POPULATION: 190,000	PV RATING: 0
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: SAEGERTOWN BOROUGH	REGION: VI	DEP PROJECT RATING: 0
STREET ADDRESS: PO BOX 558	PWSID: 6200043	PROJRANK: 59
CITY: SAEGERTOWN	FUND SOURCE: DWSRF	PROJECT COST: \$3,900,000
COUNTY: CRAWFORD	MTGDATE:	PROJECT TYPE: TREAT

PROJ. DESCRIPTION: Project would address PFAS contamination in the source water. PFAS treatment will be provided by the project. Project costs are based on planning level estimate.

PROB. DESCRIPTION: Existing source water consists of elevated level of PFAS. Project will address the elevated levels of PFAS from finished water to the service area.

POPULATION: 1,500	PV RATING: 0
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: EMMAUS BOROUGH	REGION: II	DEP PROJECT RATING: 0
STREET ADDRESS: 28 S FOURTH STREET	PWSID: 3390032	PROJRANK: 60
CITY: EMMAUS	FUND SOURCE: DWSRF	PROJECT COST: \$3,600,000
COUNTY: LEHIGH	MTGDATE:	PROJECT TYPE: TREAT

PROJ. DESCRIPTION: Project would address PFAS contamination in the source water. PFAS treatment will be provided by the project. Project costs are based on planning level estimate.

PROB. DESCRIPTION: Existing source water consists of elevated level of PFAS. Project will address the elevated levels of PFAS from finished water to the service area.

POPULATION: 14,000	PV RATING: 0
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 FY2022 - PROJECT PRIORITY LIST**

JUN 2, 2022 REV. 1

APPLICANT NAME: PA AMERICAN WATER COMPANY FRACKVILLE	REGION: II	DEP PROJECT RATING: 0
STREET ADDRESS: IND PK & SODUM RD, P O BOX 313	PWSID: 3540032	PROJRANK: 61
CITY: MILTON	FUND SOURCE: DWSRF	PROJECT COST: \$12,000,000
COUNTY: SCHUYLKILL	MTGDATE:	PROJECT TYPE: TREAT

PROJ. DESCRIPTION: Project would address PFAS contamination in the source water. PFAS treatment will be provided by the project. Project costs are based on planning level estimate.

PROB. DESCRIPTION: Existing source water consists of elevated level of PFAS. Project will address the elevated levels of PFAS from finished water to the service area.

POPULATION: 5,583	PV RATING: 0
GREEN PROJECT: No	GREEN CATEGORY: N/A
BUSINESS CASE: N/A	GREEN AMOUNT: \$0

APPLICANT NAME: DOYLESTOWN TOWNSHIP MUNICIPAL AUTHORITY (DTMA) MAIN	REGION: I	DEP PROJECT RATING: 0
STREET ADDRESS: 425 WELLS ROAD	PWSID: 1090128	PROJRANK: 62
CITY: DOYELSTOWN	FUND SOURCE: DWSRF	PROJECT COST: \$4,000,000
COUNTY: BUCKS	MTGDATE:	PROJECT TYPE: TREAT

PROJ. DESCRIPTION: Project would address PFAS contamination in the source water. PFAS treatment will be provided by the project. Project costs are based on planning level estimate.

PROB. DESCRIPTION: Existing source water consists of elevated level of PFAS. Project will address the elevated levels of PFAS from finished water to the service area.

POPULATION: 8,655	PV RATING: 0
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