

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DRINKING WATER STATE REVOLVING FUND  
FEDERAL FY2024 - PROJECT PRIORITY LIST  
UPDATED MAY 17, 2024**

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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

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<b>APPLICANT NAME:</b> PITTSBURGH WATER AND S. A.- 2022 SMALL DIA WATER MAIN CONT.- A LSL	<b>REGION:</b> V	<b>DEP PROJECT RATING:</b> 77
<b>STREET ADDRESS:</b> 441 SMITHFIELD ST.	<b>PWSID:</b> 5020038	<b>PROJRANK:</b> 1
<b>CITY:</b> PITTSBURGH	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$3,160,825
<b>COUNTY:</b> ALLEGHENY	<b>MTGDATE:</b> 10/18/2023	<b>PROJECT TYPE:</b> LSL

**PROJ. DESCRIPTION:** Proposed project includes small diameter water main replacements (SDWMR) in the Brighton Heights and Squirrel Hill service area. Approximately 300 service lines will be also replaced, which includes an estimate 156 private lead service lines, 144 public lead service lines. Some customers will require both public and private side replacement while others will only receive either public or private replacement based upon where the lead is located.

**PROB. DESCRIPTION:** Due to the age of the water mains PWSA continues to have issue with distribution system. Replacement of mains and lead service line will reduce the frequency of water main breaks, which will minimize the risk to public health caused by the resulting potential exposure to infectious diseases and unplanned outages. Replacing these leak prone mains will help system supply consistent potable water to its customers. Removing lead line will improve water quality and lead from public water supply.

<b>POPULATION:</b> 520,000	<b>PV RATING:</b> 108
<b>GREEN PROJECT:</b> No	<b>GREEN CATEGORY:</b> N/A
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$0

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<b>APPLICANT NAME:</b> PITTSBURGH WATER AND SEWER AUTHORITY - 2024A NEIGHBORHOOD LSLR	<b>REGION:</b> V	<b>DEP PROJECT RATING:</b> 77
<b>STREET ADDRESS:</b> 441 SMITHFIELD ST.	<b>PWSID:</b> 5020038	<b>PROJRANK:</b> 2
<b>CITY:</b> PITTSBURGH	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$32,058,100
<b>COUNTY:</b> ALLEGHENY	<b>MTGDATE:</b> 1/24/2024	<b>PROJECT TYPE:</b> DS, LSL

**PROJ. DESCRIPTION:** Based on PWSA's prioritization model run and following the previous 2023 Neighborhood LSLR Program A and B, PWSA estimates that this project 2024A will work at 4,500 homes (inspection) and replace public and private lead service lines.

**PROB. DESCRIPTION:** PWSA started efforts to replace public lead service lines in 2017, and included private lead service lines starting in early 2018. While great strides have been made in both corrosion control treatment (CCT) and Lead Service Line Replacement (LSLR), much work remains. As critical as CCT is to water quality, the issue of lead in drinking water will not be resolved until all lead service lines are removed from the system. PWSA's goal is to remove all lead service lines by 2026.

<b>POPULATION:</b> 520,000	<b>PV RATING:</b> 108
<b>GREEN PROJECT:</b> No	<b>GREEN CATEGORY:</b> N/A
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$0

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<b>APPLICANT NAME:</b> HIGHLAND SEWER & WATER AUTH. TRI-TWP WATER SYSTEM IMPROVEMENTS PROJECT	<b>REGION:</b> IV	<b>DEP PROJECT RATING:</b> 75
<b>STREET ADDRESS:</b> 120 TANK DRIVE	<b>PWSID:</b> 4110017	<b>PROJRANK:</b> 3
<b>CITY:</b> JOHNSTOWN	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$13,734,480
<b>COUNTY:</b> CAMBRIA	<b>MTGDATE:</b> 7/19/2023	<b>PROJECT TYPE:</b> DS, METER

**PROJ. DESCRIPTION:** The proposed project includes replacement of 24,200 linear feet of existing 6-inch water line with 10-inch water line along Frankstown Road, 11,000 linear feet of existing 6-inch water line with 10-inch waterline along Japp Road, 6,800 linear feet of 2-inch PVC glued-joint water line with 6-inch water line along Fairview Avenue, 8,500 linear feet of 4-inch AC water line with 6-inch water line along Washington Avenue, and 1,800 linear feet of 2-inch galvanized water line with 6-inch water line along Lauren Run Road/Timber Drive. Project also includes replacement of 180 water service taps, lines, and curb stops from the water main to the property line, replacement of 265 water service meters with remote read capabilities within the building structure or within a meter pit at the property line, replacement of pressure reducing vault, system gate valves, hydrants, blow-offs, air release valves, fittings and appurtenances.

**PROB. DESCRIPTION:** Highland Sewer and Water Authority (HSWA) owns and operates a water treatment plant and public water distribution system which serves over 10,000 customers in 17 different municipalities within Cambria County, PA. Additionally, HSWA sells bulk water to 13 smaller water utility owners which distribute and re-sell water to their customers. One of these utility owners is Tri-Township Water Authority (TTWA). TTWA is in Croyle Township, Summerhill Township, and Portage Township, Cambria County, PA. TTWA purchases all their water from HSWA and sells water to residents within its service area. Due to difficulties managing and maintaining a public water system, TTWA is proposing to sell their water system to HSWA. Since HSWA already sells TTWA all the water for the system, there will be no change for HSWA regarding water production at the water treatment plant. There will be no interruption of service or changes in water quality because of this transfer.

<b>POPULATION:</b> 24,310	<b>PV RATING:</b> 100
<b>GREEN PROJECT:</b> Yes	<b>GREEN CATEGORY:</b> Water Efficiency
<b>BUSINESS CASE:</b> Not Required	<b>GREEN AMOUNT:</b> \$13,734,480

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<b>APPLICANT NAME:</b> AQUA PENNSYLVANIA - EDGELY PFAS REMOVAL	<b>REGION:</b> I	<b>DEP PROJECT RATING:</b> 68
<b>STREET ADDRESS:</b> 250 POND STREET	<b>PWSID:</b> 1090001	<b>PROJRANK:</b> 4
<b>CITY:</b> BRISTOL	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$6,770,000
<b>COUNTY:</b> BUCKS	<b>MTGDATE:</b> 4/24/2024	<b>PROJECT TYPE:</b> TREAT, PFAS

**PROJ. DESCRIPTION:** The proposed PFAS treatment project includes new equipments, which will be located in a new building next to the existing treatment plant and consist of six (6) 10-ft diameter filter vessels with anion exchange resin, operating in three trains. The project will include three (3) new low lift pumps to push treated water through the vessels and a 97,000-gallon waste holding tank to equalize backwash prior to disposal by trucking.

**PROB. DESCRIPTION:** The purpose of this project is to minimize the presence of Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS) in the finished water via treatment of the existing Edgely groundwater well field source. On March 22, 2023, Aqua elected to shutdown the Edgely 2.0 MGD wellfield because PFAS raw water levels are above PA DEP PFAS MCLs. Aqua considers this a critical situation as it stresses the reliability of the water system to meet customer demands.

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

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<b>APPLICANT NAME:</b> PITTSBURGH WATER AND S.A.- 2022 SMALL DIA. WATER MAIN CONT. A NON LEAD	<b>REGION:</b> V	<b>DEP PROJECT RATING:</b> 57
<b>STREET ADDRESS:</b> 441 SMITHFIELD ST.	<b>PWSID:</b> 5020038	<b>PROJRANK:</b> 5
<b>CITY:</b> PITTSBURGH	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$34,159,707
<b>COUNTY:</b> ALLEGHENY	<b>MTGDATE:</b> 10/18/2023	<b>PROJECT TYPE:</b> DS

**PROJ. DESCRIPTION:** Proposed project includes Small Diameter Water Main Replacements (SDWMR) in the Brighton Heights and Squirrel Hill areas of the system. Approximately 20,000 linear feet of 8-inch and 12-inch waterlines will be installed to replace older, leak-prone and undersized mains. Approximately 44 hydrants and 192 valves will be replaced as per the previous categorical exclusion request for 2022 Contract A area.

**PROB. DESCRIPTION:** The age of our water mains continues to be an issue for PWSA system. Replacement of these mains will reduce the frequency of water main breaks, which will minimize the risk to public health caused by the resulting potential exposure to infectious diseases and unplanned outages. Replacing these leak prone mains will also provide a more efficient water source for PWSA customers.

<b>POPULATION:</b> 520,000	<b>PV RATING:</b> 80
<b>GREEN PROJECT:</b> Yes	<b>GREEN CATEGORY:</b> Water Efficiency
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$34,159,707

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<b>APPLICANT NAME:</b> HAZLETON CITY AUTHORITY LIONS DRIVE WATER MAIN REPLACEMENT	<b>REGION:</b> II	<b>DEP PROJECT RATING:</b> 50
<b>STREET ADDRESS:</b> 400 E. ARTHUR GARDNER PARKWAY	<b>PWSID:</b> 2408001	<b>PROJRANK:</b> 6
<b>CITY:</b> HAZLETON	<b>FUND SOURCE:</b> STATE BYPASS	<b>PROJECT COST:</b> \$1,425,000
<b>COUNTY:</b> LUZERNE	<b>MTGDATE:</b> 4/24/2024	<b>PROJECT TYPE:</b> DS

**PROJ. DESCRIPTION:** The project includes the replacement of approximately 1,500 feet of cast iron pipe with new 12-inch ductile iron distribution system piping with all necessary appurtenances including valves, shut-offs, 3 hydrants, blow-offs, etc. The improvements will enhance HCA's ability to operate and maintain their PWS system.

**PROB. DESCRIPTION:** Hazleton City Authority (HCA) proposes significant upgrades to their existing distribution system along Lion's Drive in Hazle Township, Luzerne County to address high unaccounted for water losses (36.7%), improve fire protection, system pressure and service to their existing customers. The waterlines are old, deteriorating, leaking and require replacement.

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

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<b>APPLICANT NAME:</b> ALTOONA WATER AUTHORITY - LOGAN BOULEVARD WATERLINE REPLACEMENT PROJECT	<b>REGION:</b> III	<b>DEP PROJECT RATING:</b> 50
<b>STREET ADDRESS:</b> 20 GREENWOOD ROAD	<b>PWSID:</b> 4070023	<b>PROJ RANK:</b> 7
<b>CITY:</b> ALTOONA	<b>FUND SOURCE:</b> STATE BYPASS	<b>PROJECT COST:</b> \$7,500,000
<b>COUNTY:</b> BLAIR	<b>MTGDATE:</b> 4/24/2024	<b>PROJECT TYPE:</b> DS, METERS

**PROJ. DESCRIPTION:** The Authority is proposing the replacement of approximately 15,000 linear feet of antiquated 8-inch to 12-inch waterline along Logan Boulevard (S.R. 0036) from the Plank Road (S.R. 1001) intersection to the Brushmeade Road (T-601) intersection. This area provides critical water service to several residences and many businesses in Altoona and Hollidaysburg. Replacement of the water main is part of the Authority's short-term and long-term capital improvement plan.

**PROB. DESCRIPTION:** The existing 8-inch and 12-inch cast iron waterline was originally installed in the mid-1950's and is approaching an infrastructure age of 70 years. The waterline has reached the end of its serviceable life and replacement is warranted. A majority of the proposed watermain replacement is planned to utilize two construction methods, high-density polyethylene (HDPE) water main installation via horizontal directional drilling, and polyvinyl chloride (PVC) watermain installation via traditional open-cut digging method. The Authority wishes to complete this project prior to PennDOT's planned roadway improvements/paving work project, which is expected to commence in Spring/Summer 2025.

<b>POPULATION:</b> 62,500	<b>PV RATING:</b>
<b>GREEN PROJECT:</b> No	<b>GREEN CATEGORY:</b> N/A
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$0

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<b>APPLICANT NAME:</b> CONEMAUGH TWP MA - SR 0985 WATERLINE REPLACEMENT PROJECT	<b>REGION:</b> V	<b>DEP PROJECT RATING:</b> 50
<b>STREET ADDRESS:</b> BOX 13, R D #3	<b>PWSID:</b> 4560048	<b>PROJRANK:</b> 8
<b>CITY:</b> HOLLISOPPLE	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$15,143,000
<b>COUNTY:</b> SOMERSET	<b>MTGDATE:</b> 10/18/2023	<b>PROJECT TYPE:</b> DS

**PROJ. DESCRIPTION:** This project mainly consists of the installation of approximately 50,000 linear feet of various waterline sizes, approximately 14,000 linear feet of service lines, the replacement of approximately 561 curb stop assemblies, and installation of approximately 561 meter pits. This project also consists of rehabbing the Jerome and Davidsville Pump Stations. The pump stations will receive new VFDs and related equipment, a direct replacement of pumps and motors, and have the existing valves replaced. This Project will eliminate the frequent leaks and greatly lower maintenance costs. The project will affect a total of approximately 561 customers in Conemaugh and Jenner Townships. These costumers will have new water service lines and meter pit assemblies installed.

**PROB. DESCRIPTION:** The Conemaugh Township Municipal Authority (CTMA) owns and operates the water treatment facility and distribution system located in Somerset County, PA. CTMA's existing water facilities were largely installed in the 1980's and are approximately 40 years old. Some parts of the system are even older. The existing waterline is already passed its design life and is not feasible to maintain. These leaks have led to decreased water quality, distribution system operation issues, and decreased pressure to the CTMA customers.

**POPULATION:** 8,200

**PV RATING:** 73

**GREEN PROJECT:** Yes

**GREEN CATEGORY:** Water Efficiency

**BUSINESS CASE:** N/A

**GREEN AMOUNT:** \$13,645,150

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<b>APPLICANT NAME:</b> MUNICIPAL AUTHORITY OF BUFFALO TWP - RT. 228 WEST EXTENSION & FREEPORT	<b>REGION:</b> VI	<b>DEP PROJECT RATING:</b> 50
<b>STREET ADDRESS:</b> 707 SOUTH PIKE ROAD	<b>PWSID:</b> 5030019	<b>PROJRANK:</b> 9
<b>CITY:</b> SARVER	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$2,817,809
<b>COUNTY:</b> BUTLER	<b>MTGDATE:</b> 10/18/2023	<b>PROJECT TYPE:</b> DS
<b>PROJ. DESCRIPTION:</b> The Authority is proposing to extend public water service from the existing point of service, the intersection of Chesterfield Drive and Sarver Road/Route 228, to the intersection of Crescent Hill Road and Sarver Road/Route 228 West as well as to the residents of Sunny Lane, Kimberly Drive, Carol Drive and Crescent Hill Drive. This extension of public water service will be located in Buffalo Township, Butler County. The project will also include the replacement of waterlines on Market Street, Fourth Street, and Buffalo Street in Freeport Borough, Armstrong County.		
<b>PROB. DESCRIPTION:</b> The proposed project area in Buffalo Township, Butler County is currently served by private groundwater well systems. Several residents have inquired about public water service due to the groundwater being of poor quality. The residents have failing wells that are potentially causing health issues. Regarding the proposed project area in Freeport Borough, the waterlines are aged and deteriorated which are susceptible to leaks and breaks. These areas have experienced numerous breaks which resulted in periodic service shutdowns and costly, emergency repairs. The water loss during these events is stretching the operating budgets to their limits. As a result of the breaks and leaks, the residents are also subjected to poor roadway conditions due to multiple patches/ditches. By replacing the waterlines, the Authority will be able to provide reliable drinking water and eliminate breaks and leaks.		
<b>POPULATION:</b> 5,849		<b>PV RATING:</b> 65
<b>GREEN PROJECT:</b> Yes		<b>GREEN CATEGORY:</b> Water Efficiency
<b>BUSINESS CASE:</b> N/A		<b>GREEN AMOUNT:</b> \$2,817,809

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<b>APPLICANT NAME:</b> WAMPUM BOROUGH - LEAD SERVICE LINE REPLACEMENT	<b>REGION:</b> VI	<b>DEP PROJECT RATING:</b> 48
<b>STREET ADDRESS:</b> P.O. BOX 65, MAIN STREET EXT.	<b>PWSID:</b> 6370032	<b>PROJRANK:</b> 10
<b>CITY:</b> WAMPUM	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$1,600,000
<b>COUNTY:</b> LAWRENCE	<b>MTGDATE:</b> 4/24/2024	<b>PROJECT TYPE:</b> LSL

**PROJ. DESCRIPTION:** The proposed project consists of the replacement of 50, 3/4-inch diameter existing water service lines with lead joints. New copper water service lines will be installed in place. Some mains line repair/replacement and restoration will be done by other project.

**PROB. DESCRIPTION:** Borough has identified certain lead service lines and connections generally along Clyde Street, Kay Street, Main Street, and Beaver Street, which need to be replaced. Lead poisoning to the human organism is a well identified condition and such lead poisoning must be prevented through the removal of lead components in the public water system. Project will eliminate lead service line and Lead connectors and will improve water quality for the customers.

<b>POPULATION:</b> 750	<b>PV RATING:</b>
<b>GREEN PROJECT:</b> No	<b>GREEN CATEGORY:</b> N/A
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$0

<b>APPLICANT NAME:</b> WAMPUM BOROUGH - LEAD JOINT DISTRIBUTION LINE REPLACEMENT	<b>REGION:</b> VI	<b>DEP PROJECT RATING:</b> 48
<b>STREET ADDRESS:</b> P.O. BOX 65, MAIN STREET EXT.	<b>PWSID:</b> 6370032	<b>PROJRANK:</b> 11
<b>CITY:</b> WAMPUM	<b>FUND SOURCE:</b> STATE BYPASS	<b>PROJECT COST:</b> \$3,400,000
<b>COUNTY:</b> LAWRENCE	<b>MTGDATE:</b> 4/24/2024	<b>PROJECT TYPE:</b> DS

**PROJ. DESCRIPTION:** The main line replacement project will involve the replacement of 9,200 lineal feet of 6" ductile iron waterline and 100 lineal feet of 12" steel casing with 6" ductile iron waterline. Plus appurtenances and restoration.

**PROB. DESCRIPTION:** Borough has identified certain lead joint waterlines generally along Clyde Street, Kay Street, Main Street, and Beaver Street, which need to be replaced. Lead poisoning to the human organism is a well identified condition and such lead poisoning must be prevented through the removal of lead components through the water system.

<b>POPULATION:</b> 750	<b>PV RATING:</b>
<b>GREEN PROJECT:</b> Yes	<b>GREEN CATEGORY:</b> Water Efficiency
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$2,805,000

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<b>APPLICANT NAME:</b> ERIE CITY WATER AUTHORITY - LEAD SERVICE LINE REPLACEMENT - PHASE 4	<b>REGION:</b> VI	<b>DEP PROJECT RATING:</b> 47
<b>STREET ADDRESS:</b> 340 WEST BAYFRONT PARKWAY	<b>PWSID:</b> 6250028	<b>PROJRANK:</b> 12
<b>CITY:</b> ERIE	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$18,000,000
<b>COUNTY:</b> ERIE	<b>MTGDATE:</b> 10/18/2023	<b>PROJECT TYPE:</b> LSL
<b>PROJ. DESCRIPTION:</b> Proposed 'Phase Four' project, EWW is planning to replace or abandon (for those services which are inactive). Approximately 2,500 total services within the City of Erie over a period of two to three years. Where the customer side of the service line is galvanized / wrought iron, or any lead line. The customer side will also be replaced up to the location of where the service line enters the structure.		
<b>PROB. DESCRIPTION:</b> This proposed project will empower EWW to remove nearly all of the remaining lead goosenecks from the City of Erie. Secondly it will also result in the replacement of aged, deteriorated, and often leaky infrastructure. Building on the success and momentum of the WIFTA, Phase Two, and Phase Three projects (pending), EWW is now applying for this additional PENNVEST funding in order to continue this important service line replacement program, permanently removing nearly all lead goosenecks from the City of Erie and many galvanized / wrought iron service lines.		
<b>POPULATION:</b> 180,000		<b>PV RATING:</b> 84
<b>GREEN PROJECT:</b> No		<b>GREEN CATEGORY:</b> N/A
<b>BUSINESS CASE:</b> N/A		<b>GREEN AMOUNT:</b> \$0

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<b>APPLICANT NAME:</b> ERIE CITY WATER AUTHORITY - LEAD SERVICE LINE REPLACEMENT - PHASE 5	<b>REGION:</b> VI	<b>DEP PROJECT RATING:</b> 47
<b>STREET ADDRESS:</b> 340 WEST BAYFRONT PARKWAY	<b>PWSID:</b> 6250028	<b>PROJRANK:</b> 13
<b>CITY:</b> ERIE	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$710,000
<b>COUNTY:</b> ERIE	<b>MTGDATE:</b> 4/24/2024	<b>PROJECT TYPE:</b> LSL
<b>PROJ. DESCRIPTION:</b> The project will include infrastructure renewal specific to the replacement or abandonment of approximately 100 existing service lines, from existing water mains in the Borough of Wesleyville and Lawrence Park Township. Service lines to be replaced consist of wrought iron pipe which is or was attached to water mains by lead 'goosenecks', the short-curved section of pipe between the water main and shut off valve at the property line or curb. The work will include the associated excavation, backfill, and restoration necessary to replace the service lines.		
<b>PROB. DESCRIPTION:</b> The Authority current has approximately forty-two (42) known wrought iron or galvanized requiring replacement service connections within the Borough of Wesleyville and approximately fifty-eight (58) within Lawrence Park Township. The wrought iron services are or were connected to water mains via lead 'goose necks', the short curved section of lead pipe between the water main and the straight section of pipe to the curb box which together comprise the utility owned or public side of the service connection/line. 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. EWW's experience in the many years of replacing service lines indicates that the customer owned, or private side of the service line associated with wrought iron on the utility side is most often also wrought iron with threaded joints.		
<b>POPULATION:</b> 180,000		<b>PV RATING:</b>
<b>GREEN PROJECT:</b> No		<b>GREEN CATEGORY:</b> N/A
<b>BUSINESS CASE:</b> N/A		<b>GREEN AMOUNT:</b> \$0

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**LEGEND FOR PROJECT TYPE:**

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

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<b>APPLICANT NAME:</b> BELLWOOD BOROUGH AUTHORITY PHASE 3 CIP WATERLINE REPLACEMENT	<b>REGION:</b> III	<b>DEP PROJECT RATING:</b> 45
<b>STREET ADDRESS:</b> 610 CAMBRIA ST.	<b>PWSID:</b> 4070009	<b>PROJRANK:</b> 14
<b>CITY:</b> BELLWOOD	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$5,847,745
<b>COUNTY:</b> BLAIR	<b>MTGDATE:</b> 1/24/2024	<b>PROJECT TYPE:</b> DS

**PROJ. DESCRIPTION:** The project includes the replacement of existing cast iron water distribution main with leaded joints. Installed will be approximately 19,610 L.F. of 3" to 8" ductile iron water distribution main and associated valves, 21 fire hydrants, service connections and appurtenances within certain areas of Bellwood Borough and a small portion of Antis Township. All work will be done in existing roadways or previously disturbed ground.

**PROB. DESCRIPTION:** The Authority's system includes several sections of 100+ year old cast iron water distribution mains with leaded joints. The authority has concerns over the potential for lead to contaminate the water supply and cause health issues with the residents if these mains continue to remain in service. The Authority currently purchases all their water from the Altoona Water Authority, which is in the process of replacing the treatment system, potentially changing the water chemistry being distributed to the Authority's customers. As a result, the Authority has established a priority list of projects aimed at replacing these water mains.

<b>POPULATION:</b> 3,162	<b>PV RATING:</b> 68
<b>GREEN PROJECT:</b> No	<b>GREEN CATEGORY:</b> N/A
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$0

**LEGEND FOR PROJECT TYPE:**

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<b>APPLICANT NAME:</b> ERIE CITY WATER AUTHORITY - ASBURY TANK PUMP STATION AND PRO-FI IMPROV	<b>REGION:</b> VI	<b>DEP PROJECT RATING:</b> 44
<b>STREET ADDRESS:</b> 340 WEST BAYFRONT PARKWAY	<b>PWSID:</b> 6250028	<b>PROJRANK:</b> 15
<b>CITY:</b> ERIE	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$20,000,000
<b>COUNTY:</b> ERIE	<b>MTGDATE:</b> 10/18/2023	<b>PROJECT TYPE:</b> WS, DS,

**PROJ. DESCRIPTION:** Proposed four phase project includes (1) ASBURY TANK - The existing Asbury Tank Pump Station is undersized, equipment is outdated, and many components can no longer be maintained. It contains four pumps, one rated at 800 gpm (1.15 MGD), two rated at 1,200 gpm (1.73 MGD), and a fourth that is not utilized. The station was originally constructed in the 1970's and is past its useful life, having received minimal improvements since that time. It is also not equipped with a permanent emergency generator. The station does not currently meet state or local codes. Therefore, the facility needs a major upgrade including electrical components, chemical feed system, pumping, controls, and emergency power. The new facility will contain three 1,750 gpm vertical turbine pumps at 428' TDH driven by variable frequency drive motors. The design capacity of the pump station is 5.0 MGD based upon one pump out of service. The facility will include a sodium hypochlorite chemical feed system with bulk and day tanks and associated transfer and chemical feed pumps, and the installation of a generator to provide emergency back-up power for continuous operation. The scope includes a new building to be constructed adjacent to the existing building, along with new piping, pumps and electrical service to ensure water supply demands are met now and in the foreseeable future. (2) SOUTH BOOSTER STORAGE TANK - The Southwest Master Plan completed in 2011 identified a future need for additional storage in the South Booster Pressure District. EWW's Water System Master Plan completed by KLH Engineers supports this. EWW staff has been pursuing a property purchase adjacent to the existing 1.0 MG tank. The Cherry Street Pump Station's South Booster pumps service the South Booster Pressure District. These pumps, which were replaced in 2021/2022 as part of the PENNVEST funded Cherry Street Pump Station Improvements project, provide water directly to EWW customers and to an existing 1 MG hydropillar that supports the district. Based on existing and projected growth in the service area, additional storage is necessary to meet average day demand, emergencies such as power outages, and for fire protection. Additionally, the service area is planned to expand to serve the Peach Street Pressure District (near the Millcreek Mall) to eliminate the need for additional storage in the West Booster Pressure District (which does not feasibly have room for storage tank construction). (3). COOK AND KNOLL WATER MAIN REPLACEMENT - The existing water mains within this project area are 6" ductile iron mains from 1965. Numerous water main breaks have occurred in the area which interrupt water service to many customers, cause major traffic disruptions, and lead to expensive pavement and lawn restoration. The existing mains will be replaced with approximately 3,800 feet of new 8" ductile iron pipe. Fire hydrants and EWW owned service connections will also be replaced. (4). BURTON AVENUE AND ZIMMERMAN ROAD WATER MAIN REPLACEMENTS - Existing water mains within this project area are 6" cast iron mains from 1940 and 1955. Numerous water main breaks have occurred in these areas which interrupt water service to many customers, cause major traffic disruptions, and lead to expensive pavement and lawn restoration. The existing mains will be replaced with approximately 5,300 feet of new 8" ductile iron pipe. Fire hydrants and EWW owned service connections will also be replaced. WOODLAWN, CAMPHAUSEN, FAIRMOUNT, AND HARRISON WATER MAIN REPLACEMENTS The existing water mains within this project area are 6" cast iron mains from 1920s, 1940s, and 1950s. Numerous water main breaks have occurred in these areas which interrupt water service to many customers, cause major traffic disruptions, and lead to expensive pavement and lawn restoration. The existing mains will be replaced with up to approximately 11,300 feet of new ductile iron pipe. Fire hydrants and EWW owned service connections will also be replaced.

**PROB. DESCRIPTION:** This application is being made in conjunction with the PENNVEST Programmatic Financing guidelines and addresses five

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projects in the Erie Water Works Capital Improvement Plan. A proposed project area maps showing the location of the site and existing conditions is included in the supporting miscellaneous documents of this application. The current shovel ready project is the Asbury Tank Pump Station Replacement. Project will improve reliability of Erie Water Works system and maintain reliable quality and quantity of potable water for the customers.

<b>POPULATION:</b> 180,000	<b>PV RATING:</b> 69
<b>GREEN PROJECT:</b> Yes	<b>GREEN CATEGORY:</b> Water Efficiency
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$9,000,000

<b>APPLICANT NAME:</b> EBENSBURG MUNICIPAL AUTHORITY- WATER LINE REPLACEMENT PROJECT	<b>REGION:</b> V	<b>DEP PROJECT RATING:</b> 43
<b>STREET ADDRESS:</b> P.O.BOX 387	<b>PWSID:</b> 4110009	<b>PROJRANK:</b> 16
<b>CITY:</b> EBENSBURG	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$7,906,091
<b>COUNTY:</b> CAMBRIA	<b>MTGDATE:</b> 10/18/2023	<b>PROJECT TYPE:</b> DS,

**PROJ. DESCRIPTION:** The project includes the replacement of approximately 23,200 L.F. of C-900 water distribution main (ductile iron), 26 fire hydrants, curb boxes, service lines and appurtenances is various locations in Ebensburg Borough and Cambria Township. The proposed project will allow for the decommissioning of the existing cast iron water distribution mains with leaded joints in addition to removing all discovered leaded gooseneck service connections.

**PROB. DESCRIPTION:** The Authority's distribution system is comprised of old cast iron piping with leaded joints and leaded gooseneck services in several 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 and reoccurring water loss.

<b>POPULATION:</b> 8,500	<b>PV RATING:</b> 62
<b>GREEN PROJECT:</b> Yes	<b>GREEN CATEGORY:</b> Water Efficiency
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$6,658,091

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<b>APPLICANT NAME:</b> INDIANA COUNTY MUNICIPAL SERVICES AUTHORITY - WATER RENOVATION 21	<b>REGION:</b> V	<b>DEP PROJECT RATING:</b> 43
<b>STREET ADDRESS:</b> 827 WATER STREET	<b>PWSID:</b> 5320109	<b>PROJRANK:</b> 17
<b>CITY:</b> INDIANA	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$6,820,650
<b>COUNTY:</b> INDIANA	<b>MTGDATE:</b> 7/19/2023	<b>PROJECT TYPE:</b> TREAT, DS

**PROJ. DESCRIPTION:** Authority is proposing to install a new 35 feet Diameter contact clarifier in Crooked Creek Clarifier upgrades. The clarifier shall be designed for turbidity removal to help prolong the life of the existing plant and improve design efficiency. The Indiana/Midd Waterline project includes the installation of approximately 3,200 linear feet of 6-inch waterline to replace an existing 2-inch waterline. The Fyock Road project includes the installation of approximately 1,200 linear feet of new 8-inch waterline to interconnect with existing waterlines and valve vault improvements. The Tanoma/Skyline waterline extension includes the installation of approximately 28,000 linear feet of new 8-inch waterline extension. This extension will provide water to a number of residential homes that are currently hauling water and will remove six homes from a community cistern.

**PROB. DESCRIPTION:** Crooked Creek Clarifier is currently suffers lot of wear and tear on the membranes at the Crooked Creek Water Treatment Plant due to high turbidity water from the creek when it rains. In addition, within the proposed project areas, waterlines are beyond useful service life, prone to breakage, leaks, and in some cases nonexistent. Where waterlines are aged and deteriorated, they are susceptible to leaks and breaks which are costly to repair. Areas in the Indiana/Midd project area have experienced numerous breaks which resulted in periodic service shutdowns and costly emergency repairs. By replacing the waterlines, the Authority will be able to provide clean drinking water and eliminate breaks and leaks. The Fyock Road portion of the project proposes to improve water supply by providing better continuity of service and longevity of service. The Tanoma/Skyline portion of the project is situated in an area where some of the residents are hauling water or are currently using a community cistern. The proposed public water extension would provide clean, safe drinking water to the residents living in the project area

<b>POPULATION:</b> 9,400	<b>PV RATING:</b> 62
<b>GREEN PROJECT:</b> Yes	<b>GREEN CATEGORY:</b> Water Efficiency
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$494,570

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<b>APPLICANT NAME:</b> EBENSBURG MUNICIPAL AUTHORITY- LEAD SERVICE LINE REPLACEMENT PROJECT	<b>REGION:</b> V	<b>DEP PROJECT RATING:</b> 43
<b>STREET ADDRESS:</b> P.O.BOX 387	<b>PWSID:</b> 4110009	<b>PROJRANK:</b> 18
<b>CITY:</b> EBENSBURG	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$629,370
<b>COUNTY:</b> CAMBRIA	<b>MTGDATE:</b> 10/18/2023	<b>PROJECT TYPE:</b> LSL

**PROJ. DESCRIPTION:** The Authority intends to replace any lead, galvanized steel and brass water service lines encountered during the overall water main replacement project throughout various parts of Ebensburg Borough. It is estimated that 50 lead service lines will be encountered and replaced from the main to the meter inside of the structure.

**PROB. DESCRIPTION:** The Authority's distribution system is comprised of old cast iron piping with leaded joints and leaded gooseneck services in several 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 and reoccurring water loss.

<b>POPULATION:</b> 8,500	<b>PV RATING:</b> 78
<b>GREEN PROJECT:</b> No	<b>GREEN CATEGORY:</b> N/A
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$0

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<b>APPLICANT NAME:</b> INDIANA COUNTY MUNICIPAL SERVICES AUTHORITY - WATER RENOVATION 22	<b>REGION:</b> V	<b>DEP PROJECT RATING:</b> 43
<b>STREET ADDRESS:</b> 827 WATER STREET	<b>PWSID:</b> 5320109	<b>PROJRANK:</b> 19
<b>CITY:</b> INDIANA	<b>FUND SOURCE:</b> STATE BYPASS	<b>PROJECT COST:</b> \$14,025,160
<b>COUNTY:</b> INDIANA	<b>MTGDATE:</b> 4/24/2024	<b>PROJECT TYPE:</b> DS, PS

**PROJ. DESCRIPTION:** The Authority owns and operates several public water systems and is proposing several modifications to the Heilwood System, the Cherry Tree System, and the Crooked Creek System. The proposed Heilwood system modifications are as follows: Project 1 - The SR 403-Camerons Road project proposes the installation of approximately 25,933 linear feet (LF) of new waterline and appurtenances in Pine and Buffington Townships, Indiana County. The project also proposes an above ground metering station; Project 2 - The Iverson Road Project proposes installation of approximately 3,530 LF of new waterline and appurtenances along Iverson Road and SR 0422 in Blacklick Township, Cambria County. The project will also include approximately 23 LF of new waterline paralleling SR 0422 in Pine Township, Indiana County where it will connect with the existing system; Project 3 - The School Road Project proposes installation of 11,200 LF of new waterline and appurtenances along School Road in Cherryhill and Pine Townships. The proposed Cherry Tree system modifications are as follows: Project 4 - The Penns Manor to Uniontown Project proposes installation of approximately 38,365 LF of waterline and appurtenances in Green Township and Cherryhill Township paralleling SR 580 from Penns Manor to Uniontown. The proposed Crooked Creek system modifications are as follows: Project 5 - The East Pike Pump Station Project proposes replacement of the existing underground pump station that is no longer in service in White Township. The existing pump station is no longer able to operate with the current system dynamics. The proposed pump station will be an above ground prefabricated pump station; Project 6 - The Ernest Valve Replacement Project proposes replacement of the existing pressure reducing valves (PRVs) that are not anti-cavitation with new anti-cavitation valves. The Earnest Valve (Ernest PRV) Replacement Project is located in the Borough of Ernest, Indiana County.

**PROB. DESCRIPTION:** Project 1 - Rt. 403 Cameron Road Waterline (Heilwood System): The source for the Heilwood System is a mine pool and the Authority has concerns that if there is ever a collapse or contamination, there is no backup to this source. Therefore, the tie-in with the Highridge System is to create redundancy in an emergency situation; Project 2 - Rt. 422 Iverson Road Waterline (Heilwood System): The residents in this area experience poor water quality and quantity; Project 3 - School Road Area Waterline (Heilwood System): The residents in this area experience poor water quality and quantity. In addition, there is no emergency backup; Project 4 - Penns Manor to Uniontown Waterline: Residents in this area experience poor water quality and many issues with manganese; Project 5 - East Pike Pump Station (White Township, Crooked Creek System): The Authority wants to establish another supply source for emergency situations and a backup source for the Indiana County Jail and SCI Pine Grove Prison; Project 6 - Ernest Valve Replacement: The existing 2-inch and 6-inch PRVs are not anti-cavitation. New PRVs will provide optimum downstream pressure control, reduce noise, and eliminate the damage associated with cavitation.

<b>POPULATION:</b> 10,399	<b>PV RATING:</b>
<b>GREEN PROJECT:</b> Yes	<b>GREEN CATEGORY:</b> Water Efficiency
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$20,000

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<b>APPLICANT NAME:</b> FORD CITY BOROUGH - LEAD SERVICE LINE REPLACEMENT	<b>REGION:</b> VI	<b>DEP PROJECT RATING:</b> 40
<b>STREET ADDRESS:</b> P.O. BOX 112, NEALE AVE	<b>PWSID:</b> 5030005	<b>PROJRANK:</b> 20
<b>CITY:</b> FORD CITY	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$5,600,000
<b>COUNTY:</b> ARMSTRONG	<b>MTGDATE:</b> 1/24/2024	<b>PROJECT TYPE:</b> LSL
<b>PROJ. DESCRIPTION:</b> The project proposes to remove approximately 1,245 existing leaded gooseneck or galvanized steel service connections with plastic piping. Any lead service line encountered will be replaced from the water main to the inside of the structure. Out of the 1,245 services to be replaced, 1,225 are for residential users while the remaining 20 services are commercial/industrial users.		
<b>PROB. DESCRIPTION:</b> The intention of the project is to remove existing leaded gooseneck or galvanized steel service connections within the project area that could potential be a health concern to the Borough's customers		
<b>POPULATION:</b> 2,991		<b>PV RATING:</b> 75
<b>GREEN PROJECT:</b> No		<b>GREEN CATEGORY:</b> N/A
<b>BUSINESS CASE:</b> N/A		<b>GREEN AMOUNT:</b> \$0

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<b>APPLICANT NAME:</b> BELLWOOD BOROUGH AUTHORITY LEAD SERVICE LINE REPLACEMENT	<b>REGION:</b> III	<b>DEP PROJECT RATING:</b> 40
<b>STREET ADDRESS:</b> 610 CAMBRIA ST.	<b>PWSID:</b> 4070009	<b>PROJRANK:</b> 21
<b>CITY:</b> BELLWOOD	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$491,120
<b>COUNTY:</b> BLAIR	<b>MTGDATE:</b> 1/24/2024	<b>PROJECT TYPE:</b> LSL
<b>PROJ. DESCRIPTION:</b> The project proposes to replace 40 existing service connections which are classified as lead or lead or galvanized requiring replacement (GRR) with plastic piping. The lead or GRR components of each service line will be replaced so that the entire service line from the water main to the inside of the structure consists of acceptable material.		
<b>PROB. DESCRIPTION:</b> The project area includes 40 service lines which are classified as lead or galvanized requiring replacement (GRR). The Authority has concerns over the potential for lead to contaminate the water supply and cause health issues with the residents if these lines continue to remain in service. The Authority currently purchases all their water from the Altoona Water Authority, which is in the process of replacing their treatment system, potentially changing the chemistry of the water being distributed to the Authority's customers. As a result, the Authority plans to replace these water services.		
<b>POPULATION:</b> 3,162		<b>PV RATING:</b> 75
<b>GREEN PROJECT:</b> Yes		<b>GREEN CATEGORY:</b> Water Efficiency
<b>BUSINESS CASE:</b> N/A		<b>GREEN AMOUNT:</b> \$491,120

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<b>APPLICANT NAME:</b> FORD CITY BOROUGH - CAST IRON WATERLINE REPLACEMENT	<b>REGION:</b> VI	<b>DEP PROJECT RATING:</b> 40
<b>STREET ADDRESS:</b> P.O. BOX 112, NEALE AVE	<b>PWSID:</b> 5030005	<b>PROJRANK:</b> 22
<b>CITY:</b> FORD CITY	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$14,325,000
<b>COUNTY:</b> ARMSTRONG	<b>MTGDATE:</b> 1/24/2024	<b>PROJECT TYPE:</b> DS

**PROJ. DESCRIPTION:** The project includes the replacement of 4-inch, 6-inch, 8-inch and 12-inch Cast Iron Pipe (CIP) with approximately 45,050 linear feet . 12-inch, 8-inch and 6-inch C900 plastic water main as well as water service lines, 70 fire hydrants, blow-off assemblies, and other associated appurtenances.

**PROB. DESCRIPTION:** The various health hazards associated with CIP are well known, lead being the biggest risk from the joints, as well as when cast iron comes to the end of its lifespan, it is susceptible to rust. By replacing this waterline, the Borough can eliminate those health risks from potential exposure, as well as eliminate the frequent leaks and breaks that occur on the old line, all of which will preserve the structural and process integrity of the facilities and protect the health and safety of the customers in the service area. This project is a continuation of other projects the Borough is undertaking to eliminate all CIP from its water supply and distribution system and to achieve 100% compliance with current NSF 61 regulations and President Biden’s Lead-Free drinking water efforts.

<b>POPULATION:</b> 2,991	<b>PV RATING:</b> 75
<b>GREEN PROJECT:</b> No	<b>GREEN CATEGORY:</b> Water Efficiency
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$13,870,000

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<b>APPLICANT NAME:</b> EASTON SUBURBAN WATER AUTHORITY SOUTH SIDE SERVICE LINE REPLACEMENTS	<b>REGION:</b> II	<b>DEP PROJECT RATING:</b> 37
<b>STREET ADDRESS:</b> CITY HALL 650 FERRY STREET	<b>PWSID:</b> 3480050	<b>PROJRANK:</b> 23
<b>CITY:</b> EASTON	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$3,293,000
<b>COUNTY:</b> NORTHAMPTON	<b>MTGDATE:</b> 1/24/2024	<b>PROJECT TYPE:</b> LSL

**PROJ. DESCRIPTION:** ESWA proposes the investigation of approximately 300 public and private lead and/or galvanized service lines and, based on prior experience, it is estimated of which 195 will need replacement. The proposed LSLRs for the ESWA's South Side Project is as follows: North South Side consists of replacement of an estimated 94 lead and/or galvanized needing replacement service lines (Charles, Folk, James, Lachenour, Madison, and St. Joseph Streets and adjacent areas). The West South Side consists of replacement of an estimated 101 lead and/or galvanized needing replacement service lines (Grant, Iron, Milton, Valley, and Williams Streets and adjacent areas). The project will include all necessary appurtenances related to the service line replacements (i.e. valves, water mains, test pits, etc.), engineering design, bid, and construction phase services; construction costs related to excavation of the service lines for material confirmation, replacements, restoration, and Risk Mitigation Management procedures. The improvements will enhance ESWA's ability to operate and maintain the system and increase the reliability of service.

**PROB. DESCRIPTION:** The Easton Suburban Water Authority (ESWAA) proposes a lead service line replacement project in the South Side of the City of Easton, Northampton County. ESWA proposes the investigation of approximately 300 public and private lead and/or galvanized service lines and, based on prior experience, it is estimated of which 195 will need replacement. The existing system facilities identified as part of this project are older and comprised primarily of lead and/or galvanized. Removal and replacement of the service lines is desired and considered necessary to ensure continued compliance with the Department's Lead and Copper Rule, Title 25 Chapter 109, Subchapter K.

<b>POPULATION:</b> 93,400	<b>PV RATING:</b> 52
<b>GREEN PROJECT:</b> No	<b>GREEN CATEGORY:</b> N/A
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$0

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**UPDATED MAY 17, 2024**

<b>APPLICANT NAME:</b> BOROUGH OF FREELAND MUNICIPAL AUTHORITY- OAK STREET WATER STORAGE TANK	<b>REGION:</b> II	<b>DEP PROJECT RATING:</b> 35
<b>STREET ADDRESS:</b> 711 BIRKBECK STREET	<b>PWSID:</b> 2400054	<b>PROJ RANK:</b> 24
<b>CITY:</b> FREELAND	<b>FUND SOURCE:</b> STATE BYPASS	<b>PROJECT COST:</b> \$3,639,000
<b>COUNTY:</b> LUZERNE	<b>MTGDATE:</b> 4/24/2024	<b>PROJECT TYPE:</b> WS

**PROJ. DESCRIPTION:** The proposed project includes constructing a new 100,000 gallon finished water storage tank with mixer for distribution storage, installing approximately 800 linear feet of 8-inch water main to extend to the new tank, installing an altitude valve vault, and constructing a fiberglass building to house controls. The valve vault will house an altitude valve to actuate based on tank level and a pressure transmitter to monitor and record the tank level. A submersible tank mixer will be installed in the new tank to prevent stagnation and thermal stratification and reduce the potential for ice buildup. The new 100 square-foot fiberglass building will house control panels and will contain a water sampling station. The project will also include the demolition of the existing Upper Lehigh Tank once the new tank is in operation. The modifications will enhance Freeland's ability to operate and maintain its system.

**PROB. DESCRIPTION:** The Borough of Freeland Municipal Authority is proposing the Oak Street Water Storage Tank Project to correct deficiencies in its distribution system. Currently, water age due to low turnover is causing poor water quality in areas of its distribution system served by the Upper Lehigh Standpipe. This standpipe is in poor condition and will be demolished as part of the project. In addition, the existing Harding Street elevated storage tank cannot be taken out of service for rehabilitation work while still maintaining adequate pressure and emergency storage for consumers.

<b>POPULATION:</b> 4,610	<b>PV RATING:</b>
<b>GREEN PROJECT:</b> No	<b>GREEN CATEGORY:</b> N/A
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$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 FY2024 - PROJECT PRIORITY LIST**

**UPDATED MAY 17, 2024**

<b>APPLICANT NAME:</b> ELDRED BOROUGH WATER AUTHORITY WATER SYSTEM REPLACEMENTS	<b>REGION:</b> VI	<b>DEP PROJECT RATING:</b> 35
<b>STREET ADDRESS:</b> 3 ELM STREET	<b>PWSID:</b> 6420016	<b>PROJRANK:</b> 25
<b>CITY:</b> ELDRED	<b>FUND SOURCE:</b> DWSRF	<b>PROJECT COST:</b> \$3,792,642
<b>COUNTY:</b> MCKEAN	<b>MTGDATE:</b> 7/19/2023	<b>PROJECT TYPE:</b> DS

**PROJ. DESCRIPTION:** The waterline project includes the replacement of approximately 9,600 lineal feet of existing 4-inch, 6-inch and 8-inch cast iron & asbestos-cement water lines with new 4-inch, 6-inch and 8-inch PVC C900 water main to approximately 153 existing customers, 12 fire hydrants and all necessary appurtenances and surface restoration. The project will replace water mains to the property line or easement boundary.

**PROB. DESCRIPTION:** The Borough's distribution system is comprised of old deteriorating cast iron and asbestos-cement waterlines. The Borough has concerns over potential for contamination to the water supply and cause health issues with the residents. The lines are also prone to leaks and water loss due to the age of the existing infrastructure. Project will reduce potential water contamination and improve water pressure for its customers.

<b>POPULATION:</b> 850	<b>PV RATING:</b> 70
<b>GREEN PROJECT:</b> Yes	<b>GREEN CATEGORY:</b> Water Efficiency
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$3,792,642

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**UPDATED MAY 17, 2024**

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<b>APPLICANT NAME:</b> DOYLESTOWN TOWNSHIP MUNICIPAL AUTHORITY (DTMA) CENTRAL WELLS#5 AND #7 PFAS TREATMENT	<b>REGION:</b> I	<b>DEP PROJECT RATING:</b> 0
<b>STREET ADDRESS:</b> 425 WELLS ROAD	<b>PWSID:</b> 1090128	<b>PROJRANK:</b> 26
<b>CITY:</b> DOYELSTOWN	<b>FUND SOURCE:</b> APPLICATION PENDING	<b>PROJECT COST:</b> \$5,000,000
<b>COUNTY:</b> BUCKS	<b>MTGDATE:</b>	<b>PROJECT TYPE:</b> TREAT

**PROJ. DESCRIPTION:** Project would address PFAS contamination in the source water well #5 and Well #7. 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.

<b>POPULATION:</b> 8,655	<b>PV RATING:</b> 0	
<b>GREEN PROJECT:</b> No	<b>GREEN CATEGORY:</b> N/A	
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$0	

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**UPDATED MAY 17, 2024**

<p><b>APPLICANT NAME:</b> JOHNSONBURG MUNICIPAL AUTHORITY -SR 219 WATERLINE EXT. TO JOHNSONBURG ELEMENTARY SCHOOL</p> <p><b>STREET ADDRESS:</b> 532 MARKET STREE</p> <p><b>CITY:</b> JOHNSONBURG</p> <p><b>COUNTY:</b> ELK</p>	<p><b>REGION:</b> VI</p> <p><b>PWSID:</b> 6240007</p> <p><b>FUND SOURCE:</b> APPLICATION PENDING</p> <p><b>MTGDATE:</b></p>	<p><b>DEP PROJECT RATING:</b> 0</p> <p><b>PROJ RANK:</b> 27</p> <p><b>PROJECT COST:</b> \$5,586,470</p> <p><b>PROJECT TYPE:</b> DS</p>
<p><b>PROJ. DESCRIPTION:</b> The proposed project will install a linear water line from its current terminus, north, along Route 219 to Johnsonburg Elementary School and additional waterline replacement is proposed on Rose and Grove Streets. Replacement of approximately 2,200 feet of existing waterline, approx. 9,300 feet of 12-inch waterline extension to the Johnsonburg Elementary School, and 46 feet of 6-inch waterline along State Route 219 and Launer Drive. Fifty-two water service connections will be replaced within the existing service area, forty-six new 3/4-inch water service connections, six new 2-inch water service connections, and one new 4-inch water service connection to the Johnsonburg Elementary School.</p>		
<p><b>PROB. DESCRIPTION:</b> This project is necessary to provide public water to the Johnsonburg Elementary School and surrounding area that experience poor water quality and quantity. The Johnsonburg Elementary School has experienced repeated violations due to poor water quality (PWS 6240304). The project also addresses aging infrastructure that is prone to leaks, flow restrictions, water quality issues, and replaces antiquated asbestos cement waterlines. Upsizing of waterline near Johnsonburg High School will help alleviate flow restrictions and aged water issues experienced around the High School and surrounding area.</p>		
<p><b>POPULATION:</b> 2,900</p> <p><b>GREEN PROJECT:</b> No</p> <p><b>BUSINESS CASE:</b> N/A</p>		<p><b>PV RATING:</b></p> <p><b>GREEN CATEGORY:</b> N/A</p> <p><b>GREEN AMOUNT:</b> \$0</p>

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**UPDATED MAY 17, 2024**

<b>APPLICANT NAME:</b> PITTSBURGH WATER AND SEWER AUTHORITY - 2024B NEIGHBORHOOD LSLR	<b>REGION:</b> V	<b>DEP PROJECT RATING:</b> 0
<b>STREET ADDRESS:</b> 441 SMITHFIELD ST.	<b>PWSID:</b> 5020038	<b>PROJRANK:</b> 28
<b>CITY:</b> PITTSBURGH	<b>FUND SOURCE:</b> APPLICATION PENDING	<b>PROJECT COST:</b> \$151,542,000
<b>COUNTY:</b> ALLEGHENY	<b>MTGDATE:</b>	<b>PROJECT TYPE:</b> LSL

**PROJ. DESCRIPTION:** The 2024B Neighborhood LSLR project selected Priority 5 Neighborhoods, starting with the neighborhoods with the lowest income. For this project, neighborhoods within an Environmental Justice Area (as defined by the Pennsylvania Department of Environmental Protection) are further prioritized, and Level 4 neighborhoods were selected, ranking them by income. Based on this prioritization model run, PWSA estimates that the project will work at around 1,050 homes and replace 550 public and 500 private lead service lines.

**PROB. DESCRIPTION:** Pittsburg Water and Sewer Authority plan to remove existing lead service lines from the system by priority section of the service area. Lead service line will help eliminate lead poisoning to the humans. Project will eliminate lead and eliminate chance of lead poisoning within the service area.

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

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 FEDERAL FY2024 - PROJECT PRIORITY LIST  
 UPDATED MAY 17, 2024**

<b>APPLICANT NAME:</b> BOROUGH OF EMMAUS PFAS DRINKING WATER SYSTEM IMPROVEMENTS WELLS NO. 1 & 2	<b>REGION:</b> I	<b>DEP PROJECT RATING:</b> 0
<b>STREET ADDRESS:</b> 28 S FOURTH STREET	<b>PWSID:</b> 3390032	<b>PROJRANK:</b> 29
<b>CITY:</b> EMMAUS	<b>FUND SOURCE:</b> APPLICATION PENDING	<b>PROJECT COST:</b> \$11,086,720
<b>COUNTY:</b> LEHIGH	<b>MTGDATE:</b>	<b>PROJECT TYPE:</b> TREAT

**PROJ. DESCRIPTION:** Proposed PFAS treatment project includes installation of temporary well #1 PFAS treatment unit with ultimate GAC filter unit installation with new treatment building along with new GAC filter treatment unit installation for well #2.

**PROB. DESCRIPTION:** Water quality testing has revealed that two of the Borough's five active wells have PFAS concentrations exceeding the PADEP established MCL. The remaining three wells have significantly lower PFAS concentrations and meet current PADEP regulations; however, these wells have levels that exceed the proposed EPA MCL. The Borough's current treatment operation is unequipped to adequately remove PFAS to the PADEP nor proposed EPA standard. The PADEP has named the Borough's PFAS contamination as a priority project, and the Borough has entered a consent order with PADEP to remedy the PFAS contamination.

<b>POPULATION:</b> 14,000	<b>PV RATING:</b>
<b>GREEN PROJECT:</b> No	<b>GREEN CATEGORY:</b> N/A
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$0

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**UPDATED MAY 17, 2024**

<b>APPLICANT NAME:</b> MERCERSBURG WATER AUTHORITY - WATER SYSTEM IMPROVEMENTS	<b>REGION:</b> III	<b>DEP PROJECT RATING:</b> 0
<b>STREET ADDRESS:</b> 113 SOUTH MAIN ST	<b>PWSID:</b> 7280021	<b>PROJRANK:</b> 30
<b>CITY:</b> MERCERBURG	<b>FUND SOURCE:</b> APPLICATION PENDING	<b>PROJECT COST:</b> \$5,943,928
<b>COUNTY:</b> FRANKLIN	<b>MTGDATE:</b>	<b>PROJECT TYPE:</b> TREAT, WS, PS

**PROJ. DESCRIPTION:** The Mercersburg Water Authority is under a Consent Order and Agreement with the Pennsylvania Department of Environmental Protection to implement the following improvements: Construction of an iron removal water treatment system to treat the Zimm and Buck Run Wells, construction of the Nitrate Removal Water Treatment Plant to treat the Park Avenue Well, a new storage tank of 300,000 gallons capacity and a booster station with a peak pumping rate of 1,000 gpm. The proposed upgrades and improvements is a comprehensive project aimed at addressing significant system deficiencies and providing safe and reliable water service to customers. The new water treatment plant will include a new building, groundwater filtration system, chemical feed systems, and "repurposing" of existing tankage into a finished water wet well, a backwash water supply tank, and a backwash water storage tank. This project will also address energy efficiency, environmental sustainability and resiliency.

**PROB. DESCRIPTION:** The Mercersburg Water Authority entered into a Consent Order and Agreement (COA) with the Department on September 10, 2020, following numerous violations of the Safe Drinking Water Act. The COA required the Authority to prepare and submit to the Department an Existing Facilities and Treatment Alternative Study which outlined methods for compliance, the costs of those methods, and the Authority's plan for achieving compliance. The two new treatment plants included in this application represent the Authority's chosen methods of compliance and will allow the Authority to provide an adequate supply of safe and potable water to its users.

<b>POPULATION:</b> 2,350	<b>PV RATING:</b>
<b>GREEN PROJECT:</b> Yes	<b>GREEN CATEGORY:</b> Energy Efficiency
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$0

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**UPDATED MAY 17, 2024**

<b>APPLICANT NAME:</b> CITY OF PHILADELPHIA 2025 LEAD LINE REPLACEMENTS	<b>REGION:</b> I	<b>DEP PROJECT RATING:</b> 0
<b>STREET ADDRESS:</b> 1101 MARKET STREET	<b>PWSID:</b> 1510001	<b>PROJRANK:</b> 31
<b>CITY:</b> PHILADELPHIA	<b>FUND SOURCE:</b> APPLICATION PENDING	<b>PROJECT COST:</b> \$9,975,000
<b>COUNTY:</b> PHILADELPHIA	<b>MTGDATE:</b>	<b>PROJECT TYPE:</b> LSL

**PROJ. DESCRIPTION:** The City of Philadelphia Lead Line Replacement project proposes to replace 950 residential service lines. Lead service lines are being targeted under this project for underserved area of Kensington section of the City. Residents in this are of lower income and a focus area for environmental justice. PWD is implementing its LSLR to replace all lead and galvanized steel service lines within the regulatory required timeframes and is targeting historically underserved areas with known lead and galvanized steel service lines. There are an estimated 20,000 lead lines in Philadelphia as the inventory project is still be completed.

**PROB. DESCRIPTION:** The City of Philadelphia Lead Line Replacement project plan to remove existing lead service lines from the system by priority section of the service area. Lead service line will help eliminate lead poisoning to the humans. Project will eliminate lead and eliminate chance of lead poisoning within the service area.

<b>POPULATION:</b> 1,600,000	<b>PV RATING:</b>
<b>GREEN PROJECT:</b> No	<b>GREEN CATEGORY:</b> N/A
<b>BUSINESS CASE:</b> N/A	<b>GREEN AMOUNT:</b> \$0

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**UPDATED MAY 17, 2024**

<b>APPLICANT NAME:</b> PERKASIE REGIONAL AUTHORITY WELL #4 TREATMENT	<b>REGION:</b> I	<b>DEP PROJECT RATING:</b> 0
<b>STREET ADDRESS:</b> PO BOX 159	<b>PWSID:</b> 1090046	<b>PROJRANK:</b> 32
<b>CITY:</b> PERKASIE	<b>FUND SOURCE:</b> APPLICATION PENDING	<b>PROJECT COST:</b> \$2,000,000
<b>COUNTY:</b> BUCKS	<b>MTGDATE:</b>	<b>PROJECT TYPE:</b> TREAT

**PROJ. DESCRIPTION:** The Authority is proposing to construct a 40 feet long by 35 feet wide addition to the existing 14 feet long by 17 feet wide building. This addition will allow the Authority to install (and expand in the future) filtering tanks to remove the PFAS/PFOA chemicals from the drinking water to ensure water quality and safety for all of its customers.

**PROB. DESCRIPTION:** Two (2) of our wells (#5 and #6) pump to one central treatment location (Well #4) where the water is treated before being put out into the distribution system. Although the entry point is not in violation for PFAS or PFOA, when the two (2) wells are sampled individually, Well #5 has a PFOS level of 59 pp. Project will reduce/eliminate PFAS from the source water.

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

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