PENNSYLVANIA 42 (STATE) (NUMBER)

PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION **FEDERAL FY 2017 DRINKING WATER PROJECT PRIORITY LIST APRIL 19, 2017**

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

PWSID - PUBLIC WATER SYSTEM ID NUMBER

DRINKING WATER PROJECT PRIORITY LIST

APRIL 19. 2017

APPLICANT NAME: AQUA PENNSYLVANIA SUN VALLEY COMMUNIT REGION: II **DEP PROJECT RATING: 88** STREET ADDRESS: R.D. 1 BOX 128 **PWSID**: 2450054 PROJRANK: 1

> CITY: FFFORT **FUND SOURCE: APPLICATION PENDING PROJECT COST:** \$2.347.619

COUNTY: MONROE PROJECT TYPE: SRC, TREAT, WS,ME MTGDATE:

PROJ. DESCRIPTION: Agua proposes the complete rehabilitation of the existing Sun Valley PWS facilities due to their deteriorated condition. Proposed improvements consist of replacing the two, existing 5,000 gallon storage tanks with one 10,000 gallon tank; replacing the well pump with no increase in capacity; constructing a new well house; replacing the chemical feed system for disinfection purposes; replacing customer meters; replacing corrosion control treatment facilities (pH adjustment and blended potassium phosphate addition); installing new discharge piping with necessary appurtenances; installing 36 LF of 30-inch diameter contact main; and replacing approximately 10,300 LF of distribution system main with all necessary appurtenances. The existing system facilities are aging and in need of rehabilitation resulting in numerous leaks and frequent water outages to customers.

PROB. DESCRIPTION: The applicant proposes the complete rehabilitation of the existing PWS facilities serving the Sun Valley residential community located in Chestnut hill Township, Monroe County which are in extremely poor condition and in need of significant repair. All system facilities are significantly deteriorated resulting in numerous leaks and periodic water outages. Additionally, basic operational functions are not being performed such as required monitoring, maintenance and operation of necessary treatment facilities for disinfection and corrosion control, and the system lacks a certified operator. These deficiencies resulted in a Field Order issued by the Department. Violations included failure to respond to an emergency to correct water outages and provide an alternate source of potable water to affected customers, failure to provide an adequate supply of water, failure to provide key water treatment processes (lack of continuous disinfection), failure to provide level of treatment as permitted (continuous disinfection with daily EP residual), failure to have an O&M Plan and Emergency Response Plan, and failure to have a certified operator. To address the problems, complete rehabilitation of the PWS system is proposed. The modifications will improve the ability to operate and maintain the system and increase the reliability of service.

POPULATION: 120 PV RATING: 93

GREEN PROJECT: Yes **GREEN CATEGORY:**Water Efficiency

BUSINESS CASE: Not Required **GREEN AMOUNT: \$160,000**

DRINKING WATER PROJECT PRIORITY LIST

APRIL 19, 2017

DEP PROJECT RATING: 65 APPLICANT NAME: OAKDALE BOROUGH - 1ST STREET WATERLIN REGION: V STREET ADDRESS: 200 MARION AVENUE **PWSID:** 5020067 PROJRANK: 2

FUND SOURCE: DWSRF CITY: OAKDALE **PROJECT COST:** \$340.495 MTGDATE: 7/20/2016 PROJECT TYPE: DS **COUNTY:** ALLEGHENY

PROJ. DESCRIPTION: The Borough plans on replacing approximately 970 feet of water line pipe with 8-inch ductile iron pipe and the installation and

replacement of approximately fifteen 8-inch gate valves, the estimated cost is \$340,495.00. The proposed project will eliminate numerous water main breaks in the 1st Street neighborhood and improve the reliability and quality of potable water service and fire

protection services in the Borough of Oakdale.

PROB. DESCRIPTION: Oakdale Borough receives 100% of their water from the Pa. American Water Company. In May of 2010 the Borough experienced

four water main breaks in a two week period; two occurring on 1st Street, approximately one block away from each other. Numerous subsequent breaks have occurred since then, including two in late 2014/early 2015. The water line on 1st Street is over 50 years old, and given its age, the shutoff valves in that area have deteriorated over time or have been broken during the multiple water line repairs. There are also not enough valves in the system to provide appropriate protection and control. Project

will improve reliability of water supply and reduce unaccounted water loss.

The length of time that the neighborhood has been out of service because of the breaks has varied from a few hours to almost 2

complete days. During this time, direct fire hydrant service was also disrupted.

POPULATION: 1,459 PV RATING: 70

GREEN PROJECT: No. GREEN CATEGORY: N/A

DRINKING WATER PROJECT PRIORITY LIST

APRIL 19, 2017

APPLICANT NAME: STEELTON BOROUGH AUTHORITY - CLEARWE REGION: III **DEP PROJECT RATING: 64** STREET ADDRESS: 808 NORTH 2ND STREET **PWSID:** 7220036 PROJRANK: 3

FUND SOURCE: DWSRF CITY: STEELTON **PROJECT COST:** \$2.667.300 MTGDATE: 7/20/2016 PROJECT TYPE: TREAT **COUNTY: DAUPHIN**

PROJ. DESCRIPTION: The existing facilities are designed to treat up to 3 mgd as a peak daily flow. The upgrade will not expand the treatment capacity. The

proposed project includes the installation of a new 260,000-gallon clearwell, new clearwell pumps for the transfer of filtered water to

the new clearwell, modifications to the existing clearwell and all other related piping, electrical and controls work.

PROB. DESCRIPTION: A DBP Removal Study was completed by Steelton in 2015 in accordance with the Consent Order & Agreement (CO&A). The

Study determined that Steelton's current water treatment process (which includes adding chlorine pre and post filtration to meet 1-log Giardia cyst inactivation) makes consistently meeting the Total Trihalomethanes (TTHM) and Haloacetic Acids (HAA5) limits problematic during the warmer months when DBP formation is enhanced. Thus, due to the lack of sufficient chlorine contact volume following treatment, chlorine is added to the raw water upstream of the clarifiers thus allowing chlorine to react with organics in the raw water prior to their removal. This has resulted in periodic exceedances of DBP MCLs and several NOVs have been issued over the past 12 months. Project will improve treatment efficiency at the plant and will eliminate TTHM

violations.

POPULATION: 7.000 PV RATING: 79

GREEN PROJECT: No GREEN CATEGORY: N/A

DRINKING WATER PROJECT PRIORITY LIST

APRIL 19, 2017

APPLICANT NAME: EDINBORO WATER AUTHORITY - WATER SYST REGION: VI **DEP PROJECT RATING: 60 PWSID**: 6250022 STREET ADDRESS: 124 MEADVILLE STREET PROJRANK: 4

> FUND SOURCE: DWSRF CITY: EDINBORO **PROJECT COST:** \$7.000.000

COUNTY: ERIE MTGDATE: 1/25/2017 PROJECT TYPE: TREAT. WS. METER

PROJ. DESCRIPTION: The project includes the construction of a 2.0MG finished water storage tank to replace the existing 0.5MG finished water storage tank on Dundon Road for adequate storage capacity, pressure and fire demand; construction of a new water treatment facilities (chlorination and fluoridation) out of the floodplain and from the downstream dam breach inundation flood area from the high hazard unsafe Edinboro Lake Dam; construction of adequate chlorine contact piping to improve the 4-Log virus treatment under the GWR; replacement of both aged well submersible pumps and booster pumps; replacement of all remaining 2" and 4" asbestos cement water lines in the distribution system; installation of a catch basin and oil/water separator by the public works garage so as to prevent runoff drainage and wash down flow from entering the adjacent creek and the installation of new automatic radio reading meters and leak detection equipment that will reduce unaccounted for water flows throughout the system.

PROB. DESCRIPTION: The water treatment plant is currently located downstream of the Edinboro Lake dam breach inundation flood area. Dam is classified as a high-hazard. If the dam were to fail, loss of life, serious damage to homes, industrial/commercial buildings, important public utilities and main highways or railroads could be seriously affected. The existing 0.5 MG tank serves approx. 85% of the population including the Edinboro University of PA and in need of repairs and upgrades. The tank doesn't provide 1-2 days of water storage as required by the regulations and lacks the needed fire flow and pressure requirements to some of the residents. Edinboro is required to maintain 0.92 mg/l of free chlorine residual (due to the limitation of the chlorine contact volume) at the EP to comply with the GWR. High free chlorine residual level has a potential to increase the disinfection by product (TTHM and HAAS5) and compromise the finished water quality. The submersible and booster pumps are old and in need of replacement. The distribution system contains undersized asbestos cement pipes. Runoff drainage and wash down flow from the public works garage (located adjacent to the WTP) are currently seeping into the creek.

DS = DISTRIBUTION SYSTEM

POPULATION: 12.324 PV RATING: 75

GREEN PROJECT: Yes **GREEN CATEGORY:**Water Efficiency

BUSINESS CASE: Not Required **GREEN AMOUNT: \$932,217**

DRINKING WATER PROJECT PRIORITY LIST

APRIL 19, 2017

APPLICANT NAME: HARMAR TOWNSHIP MA- WATER SYSTEM IMP REGION: V **DEP PROJECT RATING**: 60 **PWSID**: 5020009 **STREET ADDRESS: 200 PEARL STREET** PROJRANK: 5

FUND SOURCE: DWSRF CITY: CHESWICK **PROJECT COST:** \$1.375.000 MTGDATE: 7/20/2016 PROJECT TYPE: WS. TREAT **COUNTY:** ALLEGHENY

PROJ. DESCRIPTION: This project involves replacing the existing ozone system with a new ozone system and replacing the existing 150,000 gallon

Harmarville Tank with a bolted steel tank.

PROB. DESCRIPTION: The current ozone system is obsolete and replacement parts are no longer manufactured. For a period of three days last year

the ozone system was not working and the Authority could not get the parts immediately to fix the system. In order to maintain the level of treatment required to meet water quality standards, the ozone system needs replaced. The Harmarville Tank was originally built by the Harmar Coal Company to supply water for the homes in the vicinity of the coal operations. The Authority acquired the system in the 1950s and have maintained the operations. However, despite their efforts in maintaining the tank, the structural steel is weakening and requires replacement. The tank continually leaks. The Authority's Unaccounted for water loss is over 30% which is mainly due to the leaks in the tank. Project will reduce unaccounted water loss and improve water disinfection

and will supply consistent potable water to the service area.

POPULATION: 3.144 PV RATING: 65

GREEN PROJECT: No **GREEN CATEGORY: N/A**

DRINKING WATER PROJECT PRIORITY LIST

APRIL 19, 2017

APPLICANT NAME: MIDLAND BMA - WATER INTAKE 2016 REGION: V **DEP PROJECT RATING: 59** STREET ADDRESS: 10TH STREET AND RAILROAD AVE **PWSID:** 5040038 PROJRANK: 6

FUND SOURCE: DWSRF CITY: MIDI AND PROJECT COST: \$7.600.000 **COUNTY: BEAVER** MTGDATE: 7/20/2016 PROJECT TYPE: TREAT

PROJ. DESCRIPTION: The Authority is constructing it own raw water intake to have access to raw water that is processed into finished water. They currently

purchase its raw water from Allegheny Ludlum (ATI) who controlled the cost of raw water. The Authority needs its own water intake to control its own costs and to have an uninterrupted supply of raw water for processing into potable water for the town of Midland and

the surrounding service areas. A temporary intake will also be built prior to construction of the permanent intake.

PROB. DESCRIPTION: The Authority is constructing it own raw water intake to have access to raw water that is processed into finished water. They

serve the areas of Midland, Shippingport and part of Industry Boroughs. Prior to this, the Authority purchased its raw water from Allegheny Ludlum (ATI) who controlled the cost of raw water. The Authority needs its own water intake to control its own costs and to have an uninterrupted supply of raw water for processing into potable water for the town of Midland and the surrounding service areas. Under a contract that was agreed to in 1958 adjacent mill property supplied the Authority with raw water. Since 1958 there has been 3 owners of the plant and the cost of raw water to the Authority ranged from 5 cents to 19 cents per thousand. ATI has recently increased its rates from 50 cents per thousand to it most recent bill of \$1.75 to \$3.65 per thousand.

The project will eliminate high cost of raw water and will control their own raw water intake and cost.

POPULATION: 3.400 PV RATING: 89

GREEN PROJECT: No. GREEN CATEGORY: N/A

DRINKING WATER PROJECT PRIORITY LIST

APRIL 19, 2017

APPLICANT NAME: LEHIGHTON WATER AUTHORITY - DISTRIBUTIO REGION: II **DEP PROJECT RATING**: 52 **PWSID:** 3130009 STREET ADDRESS: 1 Constitution Ave PROJRANK: 7

> FUND SOURCE: DWSRF **CITY:** LEHIGHTON **PROJECT COST:** \$4.593.000

MTGDATE: 7/20/2016 PROJECT TYPE: DS **COUNTY: CARBON**

PROJ. DESCRIPTION: The LWA proposes the replacement of approximately 1.7 miles of distribution system main. The project includes approximately 2,675 linear feet of 16-inch finished distribution main in Mahoning Township and Lehighton Borough along North 1st Street (SR 209), north of Carbon Drive, replacing the current parallel 8-inch and 10-inch mains. The project also includes approximately 6.357 linear feet of 12-inch, 8-inch, 6-inch, and 4-inch distribution main in Lehighton Borough from Bridge Street north along 9th Street to Mahoning Drive (replacing 4-inch main currently in service), and east along Mahoning Drive from 9th Street to 3rd Street (replacing 6-inch/8-inch mains). The project scope includes replacement of 11 fire hydrants, 193 service connections (up to curb box), and gate valves and required appurtenances along the project route. Service connections (193 up to the curb box) along the route will also be replaced. The improvements will enhance Lehighton's ability to operate and maintain the system, reduce high unaccounted for water loss, and increase the reliability of service.

PROB. DESCRIPTION: The existing distribution system facilities for LWA are aging (originally constructed in 1895 -1920s), leaking (high unaccounted for water loss of 42%) and in need of repair and rehabilitation. The mains are significantly corroded resulting in aesthetic water complaints from customers and reduced fire-fighting capability. Periodic water outages due to main breaks frequently occur. The distribution system replacement project will enhance LWA's ability to operate and maintain the system, reduce high unaccounted for water loss, and increase the reliability of service.

POPULATION: 8.000 PV RATING: 67

GREEN PROJECT: No GREEN CATEGORY: N/A

DRINKING WATER PROJECT PRIORITY LIST

APRIL 19, 2017

APPLICANT NAME: EASTON SUBURBAN WA - CANAL ST & WOOD A REGION: II **DEP PROJECT RATING**: 45 **PWSID**: 3480050 STREET ADDRESS: CITY HALL 650 FERRY STREET PROJRANK: 8

> CITY: EASTON **FUND SOURCE: APPLICATION PENDING PROJECT COST:** \$3,401,900

MTGDATE: PROJECT TYPE: DS **COUNTY: NORTHAMPTON**

PROJ. DESCRIPTION: ESWA proposes a distribution system replacement project of approximately 1.6 miles (8,400 LF) of 8-inch, 12-inch and 16-inch DI distribution system main and appurtenances (valves, hydrants, service laterals up to the curb stop, etc.) including the installation of 3 control valve chambers in the areas of Canal St., Wood Avenue, Berwick St., Seitz, St., and Wilkes-Barre St., in the City of Easton, Wilson Borough and Forks Township, Northampton County. The existing distribution system facilities are aging, leaking (unaccounted for water loss 15%), unable to supply the minimum 20 psi during a peak demand event in certain locations, unable to meet recommended minimum ISO fire flows in certain areas, and in need of repair and rehabilitation. Additionally, the Canal St. main replaces a portion of critical existing water mains (constructed in 1912-1960 of unlined cast iron) with a history of leaks and breaks which are part of a single feed to Easton's south side.

PROB. DESCRIPTION: The existing distribution system facilities are aging, leaking (unaccounted for water loss 15%), unable to supply the minimum 20 psi during a peak demand event in certain locations, unable to meet recommended minimum ISO fire flows in certain areas, and in need of repair and rehabilitation. Additionally, the Canal St. main replaces a portion of critical existing water mains (constructed in 1912-1960 of unlined cast iron) with a history of leaks and breaks which are part of a single feed to Easton's south side. The proposed improvements will provide increased reliability, enhanced water conservation, improved fire flows, and improved hydraulic capacity for the system.

POPULATION: 93,400 **PV RATING: 65**

GREEN PROJECT: No GREEN CATEGORY: N/A

DRINKING WATER PROJECT PRIORITY LIST

APRIL 19, 2017

APPLICANT NAME: HAZLETON CITY AUTHORITY - FILTRATION PLA REGION: II **DEP PROJECT RATING: 45** STREET ADDRESS: 400 E. ARTHUR GARDNER PARKWAY **PWSID**: 2408001 PROJRANK: 9

FUND SOURCE: DWSRF **PROJECT COST:** \$2,500,000 CITY: HAZLETON **COUNTY:** LUZERNE MTGDATE: 1/25/2017 PROJECT TYPE: TREAT

PROJ. DESCRIPTION: The project includes improvement including upgrades to improve operations of four (4) existing clarifiers, replacement of deteriorated

fluoride feed system, non-structural crack repair of existing concrete tanks, upgrade of main plant water booster system, upgrade to more efficient VFD starters on plant air blowers, replace/upgrade of plant compressed air system, replace/upgrade of plant instrumentation and testing equipment, upgrade of main filtration plant control servers and upgrade of software/programming, and

replacement of old control room Halon fire protection system controls.

PROB. DESCRIPTION: The Hazleton Division of the Hazleton City Authority (HCA) delivers approximately 5.8 million gallons of water per day to

residential, industrial and commercial customers in 14 municipalities in Luzerne, Schuylkill and Carbon Counties. The HCA Filtration Plant's aging treatment system is in need of numerous upgrades/repairs in order to continue to provide uninterrupted water flow of adequate quality and quantity to meet domestic and fire flow demands. This project will improve water quality,

efficiency, safety and reliability of service.

POPULATION: 38.022 **PV RATING: 60**

GREEN PROJECT: No **GREEN CATEGORY: N/A**

DRINKING WATER PROJECT PRIORITY LIST

APRIL 19, 2017

APPLICANT NAME: LAPORTE BOROUGH WATER SYSTEM IMPROV REGION: IV DEP PROJECT RATING: 44

STREET ADDRESS: P.O. BOX 125 PWSID: 2570004 PROJRANK: 10

CITY: LAPORTE FUND SOURCE: DWSRF PROJECT COST: \$687,602
COUNTY: SULLIVAN MTGDATE: 10/19/2016 PROJECT TYPE: WS, DS

PROJ. DESCRIPTION: Laporte Borough is proposing to replace their existing 150,000 gallon glass lined steel tank with a new 150,000 gallon lined bolted

steel tank. In addition, Laporte Borough plans to replace approximately 2,600 l.f. of 6" waterline with 8" DI waterline from the water storage tank along Grandview Drive and Muncy Street to the intersection at Main Street; approximately 300 l.f. of 6" waterline with 6" DI waterline on Muncy Street between north side of Main Street through Park Street; and approximately 800 l.f. of 4" waterline with 6"

DI waterline on Cherry Street (~3,700 I.f of total waterline replacement).

PROB. DESCRIPTION: The existing glass lined water storage tank is corroded and needs significant rehabilitation and replacement was determined to

be the best long term cost effective solution. The existing waterline was installed in 1940s and is prone to breakage and has lost capacity due to tuberculation and encrustation. The increased waterline size will reduce head loss and improve fire flow

capability.

POPULATION: 561 PV RATING: 67

GREEN PROJECT: No GREEN CATEGORY:

DRINKING WATER PROJECT PRIORITY LIST

APRIL 19, 2017

APPLICANT NAME: GREENVILLE BORO MA - 2016 WATER SYSTEM REGION: VI **DEP PROJECT RATING**: 42 **PWSID:** 6430037 STREET ADDRESS: 44 CLINTON STREET, P O BOX 638 PROJRANK: 11

> FUND SOURCE: DWSRF CITY: GREENVILLE PROJECT COST: \$3.845.000

MTGDATE: 7/20/2016 PROJECT TYPE: DS **COUNTY: MERCER**

PROJ. DESCRIPTION: Greenville is proposing the following: Installation of approx. 7 automatic flushing systems at key locations within the distribution system; installation of mixing systems in the three west tanks and the 1.0MG east end tank; installation of an online chlorine analyzer at the eastside booster station and providing a portable parallel analyzer for use in the distribution system; installation of a mixer in the discharge piping of the finished water wetwell; a new SCADA system (or features to be integrated with the existing SCADA) for monitoring the distribution system storage tanks (the existing Verizon telemetry system is not reliable);installation of two emergency generators, one at the plant and the other at the booster station to ensure continuous service during power outages; adding fencing and security measures in addition to piping modification and rehabilitation of the deteriorated vault controlling the two 0.75 MG tanks as well as painting the interiors of the two 0.75 MG tanks at the west tank site; installation of 2 sampling stations, one at each tank site; replacing approximately 9,850 feet of 12" and 850 feet of 8 inch waterline and appurtenances; and a forklift.

PROB. DESCRIPTION: A distribution system evaluation was conducted in summer of 2015, at Greenville Municipal Water Authority. The primary purpose of the evaluation was to further the development of a Comprehensive Performance Evaluation (CPE) protocol for assessing chloraminated distribution systems from an optimization perspective. Among several recommendations provided to Greenville as a result of the evaluation was that: Greenville should maintain a detectable free ammonia in the plant effluent = 0.10 mg/L as NH3-N, maintain = 1.50 mg/L monochloramine residual at all locations in the distribution system at all times; to provide a disinfection barrier against both microbial contamination and nitrification potential; optimize LRAA (Locational Running Annual Average) TTHM/HAA5 values by optimizing the turnover and water mixing of all storage tanks in the system; along with frequent flushing. In addition to the issues identified in the evaluation, Greenville does not have any security measures at the west tank site which is three tanks located in a rural area. The internal piping of the tanks at this site is also severely corroded and two of the tanks are in need of painting due to lead based paint on the inside and outside of the tanks. Greenville's system is comprised of cast iron pipe and segments of the transmission line have been replaced in the past due to failing infrastructure. The existing pipe is at a much less than Hazen-Williams coefficient than new pipe and not able to provide a dependable water system. In addition, Greenville doesn't have provisions for unloading supplies from trucks, and the current telephone system for monitoring tank levels is prone to failure from either tree limbs falling on overhead lines or system fluctuations caused by the service provider. Project will improve quality of water to the customers.

POPULATION: 8,600 PV RATING: 86 GREEN PROJECT: No GREEN CATEGORY: N/A

DRINKING WATER PROJECT PRIORITY LIST

APRIL 19, 2017

APPLICANT NAME: ELVERSON WATER COMPANY, INC MAIN ST. M REGION: I DEP PROJECT RATING: 40 STREET ADDRESS: PO BOX 20,26 E. MAIN ST. PWSID: 1150191 PROJRANK: 12

CITY: ELVERSON FUND SOURCE: APPLICATION PENDING PROJECT COST: \$2,134,525

COUNTY: CHESTER MTGDATE: PROJECT TYPE: DS

PROJ. DESCRIPTION: The proposed project includes replacement of approximately 3,300 feet of six-inch and eight inch water distribution main, 8 fire

hydrants and 80 service connections within Main Street (PA Route 23) through Elverson Borough and installation of a new eight-inch interconnect line, approximately 1,200 feet to provide a loop to the existing system and to minimize service interruptions during

replacement of the existing line.

PROB. DESCRIPTION: Existing aging waterlines are installed in 1950's have been the source of the large majority of the leaks within the system's 10%

unaccounted for water loss. New mains will reduce unaccounted water loss and new line will create looping of the mains to avoid dead zones within the system. This loop will increase flow capacity for about 1/3 of the existing customers and provide an alternate path for water to be conveyed from treatment to the water storage facility and for water to be conveyed from the storage

facility to customers.

POPULATION: 1.641 PV RATING: 55

GREEN PROJECT: No GREEN CATEGORY:N/A

DRINKING WATER PROJECT PRIORITY LIST

APRIL 19, 2017

APPLICANT NAME: ELDRED TOWNSHIP MUNICIPAL AUTH. TANK R REGION: VI **DEP PROJECT RATING**: 40 **PWSID:** 6330840 STREET ADDRESS: PO BOX 83 PROJRANK: 13

CITY: SIGEL **FUND SOURCE: APPLICATION PENDING PROJECT COST:** \$830.000 MTGDATE: PROJECT TYPE: WS **COUNTY: JEFFERSON**

PROJ. DESCRIPTION: The proposed project will construct a water storage tank to serve the Eldred Township Municipal Authority customers. The existing

tank is a bolted steel, glass lined tank that is in desperate need of replacement.

PROB. DESCRIPTION: The existing tank was inspected in 2014 and found to be compromised in multiple locations due to ice damage and metal

corrosion. The nature of the damage makes repairs impossible. The existing tank is the only storage tank that serves the customers on this system. Therefore, the Authority is proposing to replace the existing tank in order to ensure customers of the

system are provided with safe drinking water without interruption.

POPULATION: 382 PV RATING: 53

GREEN PROJECT: No **GREEN CATEGORY: N/A**

DRINKING WATER PROJECT PRIORITY LIST

APRIL 19, 2017

APPLICANT NAME: GLENDALE VLY MA - YEAROUND METER PROJ REGION: V **DEP PROJECT RATING**: 31 **PWSID:** 4110060 STREET ADDRESS: BOX 89 PROJRANK: 14

FUND SOURCE: DWSRF CITY: FLINTON **PROJECT COST:** \$2.750.000 MTGDATE: 7/20/2016 **PROJECT TYPE: METERS COUNTY: CAMBRIA**

PROJ. DESCRIPTION: The project will involve the installation of approximately 1,000 individual customer water meters. In addition to the installation of

individual service meters, the GVMA plans to make service improvements for those customers in the campground area of the development. Most campground customers are served by a single frost-free hydrant that is shared with a neighboring lot. These shared hydrants make it impossible to stop service to an unpaying customer without denying the neighboring customer service as

well. The shared hydrant also creates a cross-connection liability.

PROB. DESCRIPTION: All customers within the Glendale Yearound are unmetered and are charged a monthly flat rate regardless of usage. This

situation creates a billing disparity between customers and encourages wasteful water practices. Many customers within the campground area of the development allow water to run continuously in the winter to prevent freezing of poorly insulated pipes. In the summer, drinking water is used to wet dusty roads or to supply landscaped water features. Project will improve water

efficiency by reducing wastage of water.

PV RATING: 36 POPULATION: 236

GREEN PROJECT: Yes **GREEN CATEGORY:**Water Efficiency

BUSINESS CASE: Not Required **GREEN AMOUNT:** \$2,100,000