

PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
CLEAN WATER STATE REVOLVING FUND
FEDERAL FY2014 PROJECT PRIORITY LIST
APRIL 22, 2014

EXPLANATION OF HEADINGS

NEEDS CATEGORY:

- I - SECONDARY TREATMENT
- II - TREATMENT MORE STRINGENT THAN SECONDARY
- IIIA - INFILTRATION/INFLOW CORRECTION
- IIIB - MAJOR SEWER SYSTEM REHABILITATION
- IVA - NEW COLLECTOR SEWERS AND APPURTENANCES
- IVB - NEW INTERCEPTORS AND APPURTENANCES
- V - CORRECTION OF COMBINED SEWER OVERFLOWS

PROJECT TYPE:

- STP - SEWAGE TREATMENT PLANT
- STPMOD - SEWAGE TREATMENT PLANT MODIFICATION
- INT - INTERCEPTOR
- PS - PUMP STATION
- FM - FORCE MAIN
- SS - SEWER SYSTEM
- SSREH - SEWER SYSTEM REHABILITATION

NPDES #:	NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT NUMBER
PROJECT NUMBER:	DEP PROJECT IDENTIFICATION NUMBER
LOAN #:	PENNVEST LOAN NUMBER OF FUNDED PROJECT
ELIG. COST:	ESTIMATED ELIGIBLE NEEDS FOR PROJECT

Note: Green projects pertain to those considered for funding after the issuance of EPA's "Procedures for Implementing Certain Provisions of the Fiscal Year 2010 Appropriation Affecting the Clean Water and Safe Drinking Water State Revolving Fund Programs" dated 4/21/2010

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
Hickory Twp - Endeavor Wastewater System P.O. Box 44 Endeavor, PA 16322	COUNTY: Forest	I: \$210,000	IVA: \$365,000	PROJECT NO.:	CS423048-01	
	REGION: NW	II: \$0	IVB: \$0	PROJ. TYPE:	STP SS	
	NPDES #: PA0264024	IIIA: \$0	V: \$0	DEP RATING:	70	
	LOAN #: 27865	IIIB: \$0	ELIG. COST: \$575,000	DEP RANKING:	1 of 16	
				PV RATING:	75	

PROB DESC: Confirmed onlot malfunctioning systems and a wildcat with seven (7) homes tied to it exist in this community. Environmental benefits include reducing or eliminating surface water contamination resulting from malfunctioning onlot systems and a wildcat sewer.

PROJ DESC: The project will serve 16 homes. The system will consist of approximately 3,500 linear feet of low-pressure wastewater main, 16 grinder pump units and a 6000 gpd wastewater treatment facility.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
WEST PROVIDENCE TOWNSHIP MA - 2014 WASTEWATER SYSTEM IMPROVEMENTS 83 East Fifth Avenue Everett, PA 15537	COUNTY: Bedford	I:	\$0	IVA:	\$5,000,000	PROJECT NO.: CS423054-01
	REGION: SC	II:	\$0	IVB:	\$0	PROJ. TYPE: PS SS
	NPDES #: PA0037711	IIIA:	\$0	V:	\$0	DEP RATING: 55
	LOAN #: 71411	IIIB:	\$0	ELIG. COST:	\$5,000,000	DEP RANKING: 2 of 16
						PV RATING: 60

PROB DESC: The Authority currently experiences high volumes of inflow and infiltration causing overflow situations at its main pump station, pump station #1. Additionally, the high flows have caused bypass and overflow events at the Everett Borough wastewater treatment facility. The project will reduce the influence of inflow and infiltration on the existing wastewater collection system, in accordance with the Authority's March 21, 2012 Consent Order and Agreement. In addition, several modifications will be made to the existing pump stations to improve operations. Environmental benefits include reducing insufficiently treated sewage sent to the Authority's waterways during wet weather.

PROJ DESC: The project will involve the replacement of approximately 35,000 linear feet of existing wastewater main, primarily terra cotta pipe, with new PVC collection lines. Approximately 150 existing manholes will also be replaced, along with all related appurtenance and restoration. Several operational improvements will also be made at the Authority's six existing wastewater pump stations. Wet wells will be replaced at pump stations #1 - #3 to provide for additional storage and pumping capacity. Emergency generators will be installed at pump stations #2 and #3. Monitoring and alarm systems will be installed at all six Authority stations.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION					NEEDS CATEGORIES		PROJECT INFORMATION	
WILKINS TWP - LINHART AREA SEWER SEPARATION PROJECT	COUNTY:	Allegheny	I:	\$0	IVA:	\$0	PROJECT NO.:	CS423052-01
110 Peffer Road	REGION:	SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	SS
Turtle Creek, PA 15145	NPDES #:	PA0025984	IIIA:	\$0	V:	\$830,000	DEP RATING:	53
	LOAN #:	27868	IIIB:	\$0	ELIG. COST:	\$830,000	DEP RANKING:	3 of 16
							PV RATING:	68

PROB DESC: Wilkins Township, a First Class Township, owns and operates a combined sewer system. The proposed Linhart Area Sewer Separation Project is in compliance with the Consent Order and Agreement entered into with the PA DEP to eliminate wet weather sewage overflows and reduce groundwater infiltration and inflow. The project will eliminate one Combined Sewer Overflow (CSO#2/TR-03) that discharges directly to Thompson Run creek and will reduce groundwater inflow and infiltration into the downstream sanitary sewer system. Environmental benefits include reducing insufficiently treated sewage sent to Thompson Run during wet weather.

PROJ DESC: The proposed project is the separation of the combined sewer system in the Linhart Area of Wilkins Township, Allegheny County, Pennsylvania. The proposed project includes the installation of approximately 2,400 LF of 8" PVC sanitary sewer and 23 manholes; Installation of approximately 830 LF of 12" storm sewer, 4 inlets and 7 manholes and making required disconnections between the sanitary and storm sewer system throughout the Linhart Area sewershed.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
GLENDALE VLY MA - YEAROUND WASTEWATER INTERCONNECTION 1800 Beaver Valley Road Flinton, PA 16640	COUNTY: Cambria	I:	\$0	IVA:	\$0	PROJECT NO.: CS423050-01
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE: INT
	NPDES #: PA0253812	IIIA:	\$1,220,000	V:	\$0	DEP RATING: 52
	LOAN #: 75294	IIIB:	\$0	ELIG. COST:	\$1,220,000	DEP RANKING: 4 of 16
						PV RATING: 57

PROB DESC: Both the Yearound treatment plant and pump station have outlived their service life. The Act 537 Plan Amendment documents the overflow conditions at the existing Yearound plant. In addition to issues at the treatment plant, overflows and operational problems have occurred at the wastewater pump station. The Authority is currently under a Consent Order and Agreement from DEP to address these issues by the end of 2014. Environmental benefits include reducing insufficiently treated sewage sent to Kibler Run during wet weather

PROJ DESC: The Glendale Valley Municipal Authority is proposing a new wastewater line to interconnect the existing Glendale Yearound system with the Beaver Valley system that was completed in 2012. The project consists of installing 14,000 linear feet of interceptor line connecting the Yearound treatment plant influent to the new Glendale Valley STP.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
Johnstown City - Oakhurst Sanitary/Storm Sewer Separation Project Phase I 401 Main Street Johnstown, PA 15901	COUNTY: Cambria	I: \$0	IVA: \$0	PROJECT NO.:	CS423040-01	
	REGION: SW	II: \$0	IVB: \$0	PROJ. TYPE:	SS	
	NPDES #: PA0026034	IIIA: \$10,900,000	V: \$0	DEP RATING:	52	
	LOAN #: 71406	IIIB: \$0	ELIG. COST: \$10,900,000	DEP RANKING:	5 of 16	
				PV RATING:	87	

PROB DESC: Wet weather overflows to stream from sanitary sewers exist. This specific project will improve public health and safety by removing the single SSO located within the project area. Eliminating this SSO will also improve the quality of the downstream waterways, Strayer and St. Clair Run.

PROJ DESC: This is one phase of a multi-phase project. Sanitary sewer replacement and rehabilitation including house lateral inspection ports in a portion of the Oakhurst Area of Johnstown.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION			
ALTOONA WATER AUTHORITY - PLEASANT VALLEY BLVD INTERCEPTOR SEWER REPLACEMENT	COUNTY:	Blair	I:	\$0	IVA:	\$0	PROJECT NO.:	CS423034-01
900 Chestnut Avenue	REGION:	SC	II:	\$0	IVB:	\$5,384,650	PROJ. TYPE:	PS INT
Altoona, PA 16601	NPDES #:	PA0027022	IIIA:	\$0	V:	\$1,140,350	DEP RATING:	44
	LOAN #:	71402	IIIB:	\$0	ELIG. COST:	\$6,525,000	DEP RANKING:	6 of 16
							PV RATING:	94

PROB DESC: A portion of the Pleasant Valley Blvd interceptor is hydraulically overloaded. During heavy rainfall, manholes overflow and sewage back-ups have been reported. To prevent manhole overflows and sewage back-ups, the Authority pumps sewage from several manholes during rainfall events. Environmental benefits include reducing insufficiently treated sewage sent to the Authority's waterways during wet weather.

PROJ DESC: The 21" Pleasant Valley Blvd interceptor will be replaced with 30" and 36" diameter interceptor. Since a portion of the existing 21" sewer is 30' deep, a pump station is proposed to pump wet weather flow. The dry weather flow will continue to flow through the existing 21" interceptor. The project also involves the repair and renovation of the existing Easterly and Westerly CSO facilities.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION			
HAWTHORN REDBANK REDBANK MA - SS PROJECT - PHASE B1 (FAIRMOUNT CITY AREA)	COUNTY:	Clarion	I:	\$0	IVA:	\$3,381,750	PROJECT NO.:	CS423028-01
P.O. Box 241	REGION:	NW	II:	\$0	IVB:	\$0	PROJ. TYPE:	SS PS
Hawthorn, PA 16230	NPDES #:	PA0263893	IIIA:	\$0	V:	\$0	DEP RATING:	44
	LOAN #:	75288	IIIB:	\$0	ELIG. COST:	\$3,381,750	DEP RANKING:	7 of 16
							PV RATING:	59

PROB DESC: Fairmount City area of Redbank Township, Clarion County has a confirmed on-lot malfunction rate of 70.4%. Environmental benefits include reducing insufficiently treated sewage sent to the Authority's waterways from malfunctioning on-lot systems.

PROJ DESC: Construction of approximately 23,500 linear feet of 8" gravity sewers and 4,910 linear feet of forcemain.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION
HARRISBURG AUTHORITY - ADV. WWTF IMPROVEMENTS PJT. 212 Locust Street, Suite 102 Harrisburg, PA 17101	COUNTY: Dauphin	I: \$10,734,600	IVA: \$0		PROJECT NO.: CS423025-01
	REGION: SC	II: \$42,938,400	IVB: \$0		PROJ. TYPE: STPMOD
	NPDES #: PA0027197	IIIA: \$0	V: \$0		DEP RATING: 43
	LOAN #: 71400	IIIB: \$0	ELIG. COST: \$53,673,000		DEP RANKING: 8 of 16
					PV RATING: 68

PROB DESC: The Harrisburg Authority is required by their NPDES Permit and Consent Order and Agreement to build facilities to treat ammonia and nutrient reductions. This project is necessary for the protection of the Susquehanna River and the Chesapeake Bay. Environmental benefits include reducing algae formation promoting a healthy aquatic environment in the Chesapeake Bay.

PROJ DESC: The Harrisburg Authority will be constructing an upgraded wastewater treatment facility to meet more stringent effluent limits and Chesapeake Bay requirements. The treatment facility will provide service to the residents, businesses within the City of Harrisburg and surrounding municipalities.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
Lancaster City - North PS Preliminary Treatment Facility & Diversion Chamber 120 North Duke Street Lancaster, PA 17608	COUNTY: Lancaster	I:	\$0	IVA:	\$0	PROJECT NO.: CS423038-01
	REGION: SC	II:	\$0	IVB:	\$0	PROJ. TYPE: CSO
	NPDES #: PA0026743	IIIA:	\$0	V:	\$8,668,000	DEP RATING: 43
	LOAN #: 72405	IIIB:	\$0	ELIG. COST:	\$8,668,000	DEP RANKING: 9 of 16
						PV RATING: 58

PROB DESC: Construction of this project will maximize flow to the wastewater treatment plant and there will be less solids and floatables in the CSO discharge. This will help meet Part C of the NPDES permit conditions. Environmental benefits include reducing insufficiently treated sewage sent to the Conestoga River during wet weather.

PROJ DESC: The proposed project involves construction of a new diversion chamber and preliminary treatment. The deflection screen in the new diversion chamber will allow less solids and floatables in the CSO. Preliminary treatment involves two course screens and two grit removal units. The preliminary units will be housed in a brick building. Flows from the diversion chamber will be increased from 26 mgd to 38 mgd.

Green Project: Yes

Green Category: Energy Efficiency

Business Case Req'd: No

Green Funding: \$135,909.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
VANDERGRIFT BOROUGH COMBINED SEWER SEPARATION PHASE 2 109 Grant Avenue Vandergrift, PA 15690	COUNTY: Westmoreland	I:	\$0	IVA:	\$0	PROJECT NO.: CS423017-01
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE: SS
	NPDES #: PA0027626	IIIA:	\$0	V:	\$10,880,300	DEP RATING: 43
	LOAN #: 75278	IIIB:	\$0	ELIG. COST:	\$10,880,300	DEP RANKING: 10 of 16
						PV RATING: 73

PROB DESC: The combined sewer system overflows during rain events. Environmental benefits include reducing insufficiently treated sewage sent to the Kiskiminetas River during wet weather.

PROJ DESC: This is Phase 2 of a combined sewer separation project eliminating 2 wet weather CSO discharge points. This project includes installing 30,750 LF of 8" sanitary sewer, 2,000 LF of 10" sanitary sewer, 700 LF of 12" sanitary sewer, 1,450 LF of 15" sanitary sewer, 8,200 LF of 10", 12", 15", 18", 24", 36", and 42" storm sewer and 1,200 lateral inspection ports. Treatment is provided at the existing Kiski Valley STP.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
HAWTHORN REDBANK REDBANK MA AREA SS PROJECT - PHASE B2 - OAKRIDGE AREA P O Box 241 Hawthorn, PA 16230	COUNTY: Clarion	I:	\$0	IVA:	\$3,343,500	PROJECT NO.: CS423047-01
	REGION: NW	II:	\$0	IVB:	\$0	PROJ. TYPE: SS
	NPDES #: PA0263893	IIIA:	\$0	V:	\$0	DEP RATING: 42
	LOAN #: 71409	IIIB:	\$0	ELIG. COST:	\$3,343,500	DEP RANKING: 11 of 16
						PV RATING: 57

PROB DESC: This application is for Phase B2 (Oakridge Area & previously eliminated Mayport Area) which is the final phase. Nearly 58% of the onlot septic systems in the project area were found to be malfunctioning. This project will eliminate these malfunctioning, potential and suspect systems and provide a safer standard of living for the area. Nearly 128 EDU's will be provided public sewers. Environmental benefits include reducing insufficiently treated sewage sent to the community's waterways from malfunctioning onlot systems.

PROJ DESC: The project consists of constructing approximately 17,000 LF of 8" sanitary sewer in the Viilage of Oakridge, Armstrong County, PA. Also, roughly 8,800 LF of 8" and 12" sanitary sewer line will be constructed in the Mayport Area. This portion of the system was previously eliminated in Phase A due to budget constraints. The sewers will connect to a 200,000 GPD SBR WWTP that was funded by a previous Pennvest funding offer.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
UPPER YODER TOWNSHIP AUTHORITY REHABILITATION PROJECT 302 Elm Street Johnstown, PA 15905	COUNTY: Cambria	I: \$0	IVA: \$0	II: \$0	IVB: \$0	PROJECT NO.: CS423051-01
	REGION: SW	III: \$8,750,000	V: \$0	III: \$8,750,000	ELIG. COST: \$8,750,000	PROJ. TYPE: SSREH
	NPDES #: PA0026034	III: \$8,750,000	V: \$0	III: \$8,750,000	ELIG. COST: \$8,750,000	DEP RATING: 42
	LOAN #: 71410	III: \$8,750,000	V: \$0	III: \$8,750,000	ELIG. COST: \$8,750,000	DEP RANKING: 12 of 16
						PV RATING: 47

PROB DESC: The project is mandated to gain compliance with the State Order directing the municipalities connected to the Johnstown Sewage Treatment Plant to eliminate wet weather overflows from the sewer system. Environmental benefits include reducing insufficiently treated sewage sent to the City's waterways during wet weather.

PROJ DESC: The rehabilitation project will repair/replace over 93,000 feet of sewer mains, repair over 500 manholes, and repair/replace over 1280 laterals within the public rights-of-way.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
SMETHPORT BORO AUTH - WASTEWATER TREATMENT PLANT FINE SCREEN 201 W. Main St. Smethport, PA 16749	COUNTY: McKean	I:	\$805,000	IVA:	\$0	PROJECT NO.: CS423049-01
	REGION: NW	II:	\$0	IVB:	\$0	PROJ. TYPE: STPMOD
	NPDES #: PA0021521	IIIA:	\$0	V:	\$0	DEP RATING: 32
	LOAN #: 27867	IIIB:	\$0	ELIG. COST:	\$805,000	DEP RANKING: 13 of 16
						PV RATING: 47

PROB DESC: One of the problems experienced at the WWTP is excessive rags in the influent wet well. Currently, rags are removed manually from the bypass bar screens. The bar screens are not the best in handling the excessive rag problem. Some of the rags pass through to the treatment units and float on top of the wastewater in the aeration tanks, clog the solids handling pumps reintroducing solids, including copper, into the system violating the NPDES Permit relative to copper and total suspended solids. Environmental benefits include reducing insufficiently treated sewage sent to Potato Creek.

PROJ DESC: The project consists of the construction of a new screenings building including the installation of one (1) new mechanical bar screen with a capacity of 7.5 mgd with 1/4" spacing, washer compactor, manual bar screen and site grading.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
DANVILLE MUNICIPAL AUTHORITY - MAIN INTERCEPTOR REPLACEMENT PROJECT P O Box 179 Danville, PA 17821	COUNTY: Montour	I:	\$0	IVA:	\$0	PROJECT NO.: CS423046-01
	REGION: NC	II:	\$0	IVB:	\$7,809,000	PROJ. TYPE: INT PS
	NPDES #: PA0023531	IIIA:	\$0	V:	\$0	DEP RATING: 22
	LOAN #: 71408	IIIB:	\$0	ELIG. COST:	\$7,809,000	DEP RANKING: 14 of 16
						PV RATING: 62
PROB DESC:	This project addresses the following problems: wet weather surcharges due to inadequate capacity, slopes, sags, conveyance capability and elevations; basement backups; infiltration and inflow (I/I); flooding/submergence of manhole within stream high-water levels; dry weather exfiltration discharges of sanitary sewage from collection system; compliance with PADEP-approved Corrective Action Plan (CAP) which includes a sewer connection prohibition; and ability to provide for economic development. Environmental benefits include reducing insufficiently treated sewage sent to the Authority's waterways during wet weather.					
PROJ DESC:	The project includes approximately 11,000 LF of new 6-inch through 42-inch sanitary sewer mains, 985 LF of 6-inch forcemain, 2,415 LF of rehabilitation and lining of existing 10-inch through 36-inch sanitary sewers, 56 vertical feet of rehabilitation to manholes, 62 new manholes, a new pumping station, two (2) bulk customer flow meters, and associated restoration.					
Green Project:	No				Green Category:	
Business Case Req'd:					Green Funding:	\$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
CANTON BORO AUTH- WASTEWATER TREATMENT PLANT UPGRADE 100 Park Place Canton, PA 17724	COUNTY: Bradford	I: \$8,900,000	IVA: \$0	PROJECT NO.:	CS423045-01	
	REGION: NC	II: \$0	IVB: \$0	PROJ. TYPE:	STPMOD	
	NPDES #: PA0027359	IIIA: \$0	V: \$0	DEP RATING:	14	
	LOAN #: 71407	IIIB: \$0	ELIG. COST: \$8,900,000	DEP RANKING:	15 of 16	
				PV RATING:	44	
PROB DESC:	The existing wastewater treatment plant is in excess of 30 years old and many systems need to be replaced. The current treatment technology is not conducive to the Authority meeting future discharge limits related to nutrient removal. Environmental benefits include reducing algae formation promoting a healthy aquatic environment in the Chesapeake Bay.					
PROJ DESC:	This project involves renovating the existing treatment facility to an SBR treatment process that removes organic matter, ammonia via nitrification and total nitrogen via denitrification. The project will also include influent screening, raw sewage pumping, grit removal and handling facilities, chemical feed systems, ultraviolet disinfection, utility water system, aerobic sludge digesters, sludge dewatering and disposal facilities, septage receiving station, new control and operations building, renovation to existing buildings and various additions and modifications to existing piping and electrical systems. The plant currently treats 0.325 MGD Annual Monthly Average Flow Rate and 0.390 MGD Maximum Monthly Average Flow Rate. This construction project will not increase existing plant capacity.					
Green Project:	No			Green Category:		
Business Case Req'd:				Green Funding:	\$0.00	

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
Galeton Boro Auth - WWTP Blower System Replacement Project P.O. Box 222 Galeton, PA 16922	COUNTY: Potter	I: \$1,362,000	IVA: \$0	PROJECT NO.:	CS422978-01	
	REGION: NC	II: \$0	IVB: \$0	PROJ. TYPE:	STPMOD	
	NPDES #: PA0036820	IIIA: \$0	V: \$0	DEP RATING:	6	
	LOAN #: 72404	IIIB: \$0	ELIG. COST: \$1,362,000	DEP RANKING:	16 of 16	
				PV RATING:	26	

PROB DESC: Existing aeration system for the STP is outdated and reached its useful life. Environmental benefits include reducing the potential of insufficiently treated sewage sent to the Borough's waterways.

PROJ DESC: The project consists of replacing the aeration system with fine bubble diffusion and the blower motors with positive displacement blowers powered by variable frequency drives. Additionally, new catwalks, scrapers, and weirs will be installed in the clarifiers. The project is categorically green as it will result in an estimated 50% of electrical energy savings.

Green Project: Yes

Green Category: Energy Efficiency

Business Case Req'd: No

Green Funding: \$1,362,000.00