

PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
FEDERAL FY2015
CLEAN WATER PROJECT PRIORITY LIST
APRIL 22, 2015

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 1: 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.

Note 2: The DEP Rating System changed beginning with the July 22, 2014 Pennvest Board Meeting. Projects that were rated under the old system and received funding prior to this date will show a DEP Rating of N/A and are listed alphabetically. The DEP Rating at the time of funding for these projects can be found in the Federal FY2014 PPL dated April 22, 2014. All other projects have been rerated with the new system and will show a numerical value so they can be directly compared for priority funding.

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
Beaver Twp SA - Wentlings Corners Sanitary Sewer Extension 324 Tippecanoe Road Knox, PA 16232	COUNTY: Clarion	I: \$0	IVA: \$1,795,100	PROJECT NO.:	CS423066-01	
	REGION: NW	II: \$704,900	IVB: \$0	PROJ. TYPE:	SS	
	NPDES #: PA0025283	IIIA: \$0	V: \$0	DEP RATING:	59	
	LOAN #: 75297	IIIB: \$0	ELIG. COST: \$2,500,000	DEP RANKING:	1 of 58	
				PV RATING:	64	

PROB DESC: Thirteen (13) wildcat sewers and malfunctioning on-lot systems exist in the community of Wentlings Corners. Environmental benefits include eliminating the discharge of inadequately treated sewage to Canoe Creek from wildcat sewers.

PROJ DESC: Install 18,700 feet of low pressure sewer mains and 85 grinder pumps for the Wentlings Corners area. Those sewers will discharge into the industrial park pump station that will get pump upgrades for the additional flow. Another 10 individual grinder pumps will be connected to the existing force main before it discharges to the Knox collection system. The wastewater treatment plant is being expanded to a 0.502 MGD capacity, and the Wentlings Corners sewer extension will be purchasing 0.05 MGD of that capacity and will be paying approximately 8.5% of the O&M costs.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
Stonycreek Township (Cam. Co.) 2014 Sewer Rehabilitation Project 1610 Bedford Street Johnstown, PA 15902	COUNTY: Cambria	I:	\$0	IVA:	\$0	PROJECT NO.: CS423063-01
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE: SS
	NPDES #: PA0026034	IIIA: \$13,000,000		V:	\$0	DEP RATING: 51
	LOAN #: 71414	IIIB: \$0	ELIG. COST: \$13,000,000			DEP RANKING: 2 of 58
						PV RATING: 66

PROB DESC: Stonycreek Township sewer system has been operating under Chapter 94 tap ban since 1988. In 2008, DEP issued a 10-year Compliance Schedule to Stonycreek Township. Flow metering indicates there is excessive wet weather (I/I) flow originating in Stonycreek Township's sewage collection system. The Township is a community in the Johnstown area that discharges to the Johnstown Redevelopment Authority (JRA) Dornick Point Wastewater Treatment Plant (NPDES Permit#: PA0026034). Environmental benefits include reducing wet weather bypassing of the collection system and treatment plant improving the water quality of four (4) streams during wet weather.

PROJ DESC: The project consists of the following sanitary sewer rehabilitation:
 - Rehabilitate approximately 34,850 LF of existing sewers in the Bedford Street (North & South) Areas; grade adjustment of 23 manholes; rehabilitate 155 manholes; replace 3 manholes; and replace 419 existing customer laterals with viewports. - Rehabilitate approximately 25,800 LF of existing sewers in the Oakland Area; grade adjustment of 22 manholes; rehabilitate 109 manholes; replace 4 manholes; and replace 353 existing customer laterals with viewports.
 - Rehabilitate approximately 29,650 LF of existing sewers in the Belmont Area; grade adjustment of 17 manholes; rehabilitate 129 manholes; replace 9 manholes; and replace 322 customer laterals with viewports in the Belmont area, and install 86 viewports on existing laterals in Riverside. Replace the Riverside pump station force main.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION		NEEDS CATEGORIES				PROJECT INFORMATION	
Strasburg Township - Refton Sanitary Sewer System	COUNTY: Lancaster	I:	\$0	IVA:	\$994,289	PROJECT NO.:	CS423055-01
400 Bunker Hill Road	REGION: SC	II:	\$2,050,711	IVB:	\$0	PROJ. TYPE:	STP SS
Strasburg, PA 17579	NPDES #:	IIIA:	\$0	V:	\$0	DEP RATING:	50
	LOAN #: 75295	IIIB:	\$0	ELIG. COST:	\$3,045,000	DEP RANKING:	3 of 58
						PV RATING:	55

PROB DESC: Onlot malfunctions and contaminated wells exist in the Township. Environmental benefits include reducing insufficiently treated sewage sent to the Township's waterways.

PROJ DESC: The proposed sewer facilities in Refton consist of approximately 9,990 linear feet of 2 through 4-inch diameter pressure sewer and appurtenances, 86 grinder pumps, and a 0.009191 mgpd recirculating sand filter treatment facility. This system will serve approximately 95 equivalent dwelling units (EDUs). Each property served by the system will receive an individual grinder pump unit which will convey flow to the treatment facility via a low pressure sewer main.

Green Project: Yes

Green Category: Env. Innovation

Business Case Req'd: No

Green Funding: \$2,200,000.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
JOHNSTOWN CITY - MOXHAM SANITARY/STORM SEWER SEPARATION PROJECT PHASE I 401 Main Street Johnstown, PA 15901	COUNTY: CAMBRIA	I:	\$0	IVA:	\$0	PROJECT NO.: CS423067-01
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE: SSREH
	NPDES #: PA0026034	IIIA: \$10,900,000		V:	\$0	DEP RATING: 49
	LOAN #: 71417	IIIB: \$0	ELIG. COST: \$10,900,000			DEP RANKING: 4 of 58
						PV RATING: 84

PROB DESC: The City of Johnstown has entered into a Consent Order and Agreement with PADEP to reduce the amount of I/I entering the City's collection sewer system in order to eliminate all sanitary sewer overflows (SSO's). The existing system is in excess of 100 years old and has multiple structural defects throughout. This project area has been evaluated for structural deficiencies using closed circuit television (CCTV) inspections. Numerous Class 3, 4, and 5 defects were found within the Moxham project area. This project is the sixth of multiple projects. Environmental benefits include reducing the flow of untreated or inadequately treated sewage to the City's waterways during wet weather.

PROJ DESC: The proposed project will replace approximately 40,000 linear feet of sanitary sewer located within the Moxham neighborhood in the City 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	
JOHNSTOWN CITY- WOODVALE/OAKHURST INTERCEPTOR REHAB & STORMWATER SEPARATION 401 Main Street Johnstown, PA 15901	COUNTY: Cambria	I:	\$0	IVA:	\$0	PROJECT NO.: CS423075-01
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE: SS-Rehab
	NPDES #: PA0026034	IIIA:	\$1,860,500	V:	\$0	DEP RATING: 49
	LOAN #: 0	IIIB:	\$0	ELIG. COST:	\$1,860,500	DEP RANKING: 5 of 58
						PV RATING: 49

PROB DESC: The City of Johnstown has entered into a Consent Order and Agreement with PADEP to reduce the amount of I/I entering the city collection sewer system in order to eliminate all Sanitary Sewer Overflows (SSO). This project area has been evaluated for structural deficiencies using Closed Circuit Television (CCTV) inspections. This project is being coordinated with the Johnstown Redevelopment Authority's interceptotr Project. This is one of many projects that are required for the City of Johnstown to eliminate all their SSO's from the collection system. Environmental benefits include reducing the flow of untreated or inadequately treated sewage to the City's waterways during wet weather.

PROJ DESC: The proposed project will replace/rehabilitate approximately 14,200 feet of interceptotr sewers owned by JRA and 290 laterals owned by the City of Johnstown in the Woodvale and Oakhurst areas located within the City of Johnstown. The interceptor sewers will have adequate capacity to accommodate design flows developed through flow monitoring, field data collection, and system modeling. Treatment provided at the existing Johnstown - Dornick Point 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 - Woodvale/Prospect Sanitary/Storm Sewer Separation Project 401 Main Street Johnstown, PA 15901	COUNTY: Cambria	I: \$0	IVA: \$0	II: \$0	IVB: \$0	PROJECT NO.: CS423057-01
	REGION: SW	IIIA: \$10,900,000	V: \$0	IIIB: \$0	ELIG. COST: \$10,900,000	PROJ. TYPE: SS
	NPDES #: PA0026034					DEP RATING: 49
	LOAN #: 71412					DEP RANKING: 6 of 58
						PV RATING: 84

PROB DESC: The existing collection system is in excess of 100 years old and has multiple structural defects. The City of Johnstown has entered into a Consent Order and Agreement with PADEP to reduce the amount of I/I entering the city's sewer collection system in order to eliminate all sanitary sewer overflows (SSO's). This project is the fifth of multiple projects that are required for the City of Johnstown to eliminate all their SSO's from the collection system. Environmental benefits include eliminating untreated or inadequately treated sewage sent to the Little Conemaugh River during wet weather.

PROJ DESC: The proposed project will replace approximately 40,000 linear feet of sanitary sewer located in the Woodvale and Prospect neighborhoods in the City of Johnstown. The Woodvale/Prospect project will eliminate the single SSO that exists within the project limits.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION		NEEDS CATEGORIES				PROJECT INFORMATION	
JOHNSTOWN REDEVELOPMENT AUTH. - WOODVALE/OAKHURST INTER REHAB & STORMWATER SEP	COUNTY: Cambria	I:	\$0	IVA:	\$0	PROJECT NO.:	CS423074-01
401 Washington Street, 4th Floor Johnstown, PA 15901	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	INT-Rehab
	NPDES #: PA0026034	IIIA:	\$6,717,000	V:	\$0	DEP RATING:	49
	LOAN #: 0	IIIB:	\$0	ELIG. COST:	\$6,717,000	DEP RANKING:	7 of 58
						PV RATING:	49

PROB DESC: In September of 2009, the Johnstown Redevelopment Authority (JRA) entered a Consent Order and Agreement (CO&A) with the Pennsylvania Department of Environmental Protection (DEP). JRA owns, operates, and maintains the interceptor sewers and sewage treatment plant within the Johnstown Regional Sewage System. Each municipality or municipal authority owns and operates their individual sewage collection systems which discharge to the JRA interceptor sewer. The JRA interceptor sewers are antiquated and deteriorating. When it rains or the snow melts, storm water enters the individual sewage collection systems and the interceptor sewers through direct connections, cracked, leaky pipes, private laterals, and manholes. This extra volume of water overloads the sanitary sewage interceptor system, and the excess raw sewage overflows into basements, streets, rivers, and streams from various points in the system. The project will rehabilitate various interceptor sewers within the Johnstown Regional Sewage System therefore reducing inflow and infiltration. Environmental benefits include reducing the flow of untreated or inadequately treated sewage to the City's waterways during wet weather.

PROJ DESC: The proposed project will replace/rehabilitate approximately 14,200 feet of interceptor sewers in the Woodvale & Oakhurst areas of the City of Johnstown. The interceptor sewers will have adequate capacity to accommodate design flows developed through flow monitoring, field data collection, and system modeling. This will reduce excessive infiltration and reduce SSO's during wet weather. Treatment is provided at the existing Johnstown - Dornick Point STP.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION
Knox STP 620 S. MAIN ST. KNOX, PA 16232	COUNTY: Clarion REGION: NW NPDES #: PA0025283 LOAN #: 0	I: \$8,596,700 II: \$0 III A: \$0 III B: \$0	IV A: \$0 IV B: \$0 V: \$0 ELIG. COST: \$8,596,700		PROJECT NO.: CS423068-01 PROJ. TYPE: STPMOD DEP RATING: 49 DEP RANKING: 8 of 58 PV RATING: 49

PROB DESC: Knox Borough, Clarion County owns a 0.260 MGD sewage treatment plant (STP) that discharges to Canoe Creek which is classified as a High Quality Cold Water Fishery stream. The STP is operating under a Consent Order and Agreement (COA) because of violations to the Clean Streams Law for raw wastewater bypasses around treatment facilities and exceeding permitted discharge limits. The COA requires those bypasses to be eliminated by December 31, 2015, and almost every month, Knox Borough pays \$375 to the Clean Water Fund for stipulated civil penalties from the COA for NPDES permit discharge violations. The STP receives a daily volume of sewage at or near its rated hydraulic capacity, but is set to receive additional sewage from a sewer line extension project which will connect 95 existing residences and businesses. The additional wastewater received at the STP from the proposed sewer extension is expected to exceed any remaining hydraulic capacity at the STP.

The project related to this funding application proposes to upgrade the STP to a 0.502 MGD rated treatment plant that will eliminate the bypasses at the existing plant and install new treatment facilities designed to meet the discharge limits under the NPDES permit. The upgraded STP will provide a sufficient hydraulic capacity to treat sewage from the existing sewer system and predicted flows for the next 20 years. The construction of the new facilities is expected to provide a means for Knox Borough to meet all of the requirements of the COA and the related governing environmental laws. Environmental benefits include reducing the flow of untreated or inadequately treated sewage to Canoe Creek.

PROJ DESC: Knox Borough proposes to construct a sewage treatment plant with a 502,000 gallon per day hydraulic capacity and a 1047 pounds per day organic capacity. A new headworks building containing a fine screen will be located at the plant's influent. The fine screen will have a peak flow capacity of 3.0 MGD, plus an overflow channel will be installed, if necessary. The fine screen building will have a 14' x 18' control room for the main electrical service equipment and control panels. Next in the flow line will be a flume channel where a 9" Parshall flume will serve as the primary flow measuring device for the plant. The flume will have a capacity of 8.0 MGD. The flow will split into two 16" sewer pipes, each will direct the flow into separate oxidation ditches. The ditches will each have a capacity of 350,000 gallons and overflow an 18 foot wide broad crested weir. The oxidation ditches will discharge into 45-foot diameter clarifiers for settling. Discharge from the clarifiers will enter into a chlorine contact tank for a 30-minute disinfection. A dechlorination chemical will be added to dissipate the chlorine residual, and the flow will discharge to the plant's outfall pipe. The increased hydraulic capacity will accommodate the extension of sewer lines to the Wentlings Corners area of Beaver Township.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
WESTMONT BOROUGH SANITARY SEWER REHAB PROJECT - PHASE 2 1000 Luzerne Street Johnstown, PA 15905	COUNTY: Cambria	I: \$0	IVA: \$0	II: \$0	IVB: \$0	PROJECT NO.: CS423071-01
	REGION: SW	III A: \$6,380,000	V: \$0	III B: \$0	ELIG. COST: \$6,380,000	PROJ. TYPE: SS-Rehab
	NPDES #:					DEP RATING: 49
	LOAN #: 0					DEP RANKING: 9 of 58
						PV RATING: 49

PROB DESC: The project will correct the infiltration and inflow of stormwater runoff into the sanitary sewer system. Environmental benefits include reducing the flow of untreated or inadequately treated sewage to the Borough's waterways during wet weather.

PROJ DESC: The project consists of the rehabilitation of 46,690 LF of sanitary sewer lines using cured in place pipe lining, rehabilitation of 2,140 LF of sanitary sewer lines using pipe bursting, replacement of 1,015 LF of sanitary sewer pipe by open cut, rehabilitation of 203 manholes, and the replacement or installation of an additional 65 manholes. No additional EDU's will be added to the system. The capacity of the existing system will be sufficient for the rehabilitation work completed.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
Lehigh County Authority - Wynnewood Terrace PS and FM Replacement P.O.Box 3348 Allentown, PA 18106	COUNTY: Lehigh	I:	\$0	IVA:	\$0	PROJECT NO.: CS423060-01
	REGION: NE	II:	\$0	IVB:	\$1,000,000	PROJ. TYPE: PS INT
	NPDES #: PA0036081	IIIA:	\$0	V:	\$0	DEP RATING: 46
	LOAN #: 71416	IIIB:	\$0	ELIG. COST:	\$1,000,000	DEP RANKING: 10 of 58
						PV RATING: 51

PROB DESC: The existing primary pump station is rated at 100 gallons per minute (gpm) and discharges through 3,000 feet of 4-inch force main. Although remaining operable, the station has deteriorated to the point where access and maintenance are extremely hazardous and repair parts are difficult to secure. Discharge from the pump station is via PVC force main, some of which is thin wall plastic. There have been 4 documented breaks since 2007. Environmental benefits include eliminating the potential of releasing untreated or inadequately treated sewage to the Authority's waterways from an undersized pump station or broken sewer main.

PROJ DESC: Lehigh County Authority proposes to replace both with a 300 gpm pump station and 3,000 feet of 6-inch HDPE force main.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION		NEEDS CATEGORIES				PROJECT INFORMATION	
DRY TAVERN SEWER SA - PHASE 2-B SS EXTENSION AND FERNCLIFF ROAD PS P.O. Box 194 Rices Landing, PA 15357	COUNTY: Greene REGION: SW NPDES #: PA0097811 LOAN #: 0	I: \$0 II: \$0 IIIA: \$0 IIIB: \$0	IV: \$3,200,000 IVB: \$900,000 V: \$0 ELIG. COST: \$4,100,000		PROJECT NO.: CS423078-01 PROJ. TYPE: PS FM SS DEP RATING: 45 DEP RANKING: 11 of 58 PV RATING: 45		

PROB DESC: Eliminate malfunctioning on-lot systems, wildcat sewers and illegal discharges. Environmental benefits include reducing the flow of untreated or inadequately treated sewage to the Authority's waterways from malfunctioning on-lot systems, wildcat sewers, and illegal discharges.

PROJ DESC: The sewer line extension includes approximately 20,000 linear feet of 6-inch and 8-inch gravity sewers, 800 linear feet of 2-inch diameter pressure sewer, and 6 private sewage grinder pumps. All of the collected sewage will flow into the proposed Pumpkin Run Pump Station. The pump station will consist of two, 115 gallon per minute submersible pumps and approximately 4,700 linear feet of 4-inch diameter force main.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION		NEEDS CATEGORIES				PROJECT INFORMATION	
Leechburg Boro - Sanitary Sewer Separation Project 260 Market St Leechburg, PA 15656	COUNTY: Armstrong REGION: SW NPDES #: PA0027626 LOAN #: 27869	I: \$0 II: \$0 IIIA: \$0 IIIB: \$0	IV: \$0 IVB: \$0 V: \$10,970,571 ELIG. COST: \$10,970,571			PROJECT NO.: CS423058-01 PROJ. TYPE: SS DEP RATING: 44 DEP RANKING: 12 of 58 PV RATING: 59	

PROB DESC: The existing combined sewer flows into an interceptor that is owned and operated by the Kiski Valley Water Pollution Control Authority. The flows enter the interceptor through diversion chambers and during high flows, a portion of the flow is sent to the Kiskiminetas River. This new system will eliminate the overflows into the Kiskiminetas River as well as dramatically reduce the amount of stormwater runoff that is currently sent to and treated by the Kiski Valley Water Pollution Control Authority's sewage treatment plant. Environmental benefits include eliminating untreated or inadequately treated sewage sent to the Kiskiminetas River during wet weather from Leechburg Borough.

PROJ DESC: The proposed Leechburg Sanitary Sewer Separation Project will provide a separate sanitary sewer system within the remaining portions of the Borough which do not currently have a separate sanitary sewer system. This project consists of install approximately 39,750 linear feet of new 8-inch diameter sanitary sewer pipe. The existing combined system will be left in place and will remain active for stormwater flows.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
Gallitzin Borough Sewer and Disposal Authority - SS Improvements 411 Convent Street, Suite 10 Gallitzin, PA 16641	COUNTY: Cambria	I: \$7,476,555	IVA: \$9,814,445	PROJECT NO.:	CS423061-01	
	REGION: SW	II: \$0	IVB: \$0	PROJ. TYPE:	SS STPMOD	
	NPDES #: PA0028673	IIIA: \$0	V: \$0	DEP RATING:	41	
	LOAN #: 71415	IIIB: \$0	ELIG. COST: \$17,291,000	DEP RANKING:	13 of 58	
				PV RATING:	56	

PROB DESC: The existing sanitary and combined sewer system is mostly old, vitrified clay pipe (VCP) and is experiencing severe infiltration and inflow problems. Also, in order to help achieve compliance with the LTCP, the wastewater treatment plant will be upgraded. Environmental benefits include reducing the flow of untreated or inadequately treated sewage to the Borough's waterways during wet weather.

PROJ DESC: Project involves replacing and installing approximately 45,300 L.F. of PVC gravity sewer main, 26,000 L.F. of sewer laterals, manholes and necessary appurtenances. Upgrades to the WWTP include the installation of three sequencing batch reactor (SBR) tanks, a sludge dewatering/office and controls building, new digester tanks, chemical feed system, UV disinfection system and all related appurtenances.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
ALLEGHENY TOWNSHIP MA -- BAGDAD AREA SEWER PROJECT 101 South Leechburg Hill Road Leechburg, PA 15656	COUNTY: WESTMORELAN	I:	\$0	IVA:	\$6,004,450	PROJECT NO.: CS423065-01
	REGION: SW	II:	\$0	IVB:	\$800,000	PROJ. TYPE: SS PS FM
	NPDES #: PA0027626	IIIA:	\$0	V:	\$0	DEP RATING: 40
	LOAN #: 27873	IIIB:	\$0	ELIG. COST:	\$6,804,450	DEP RANKING: 14 of 58
						PV RATING: 45

PROB DESC: The area being served has wildcat sewers and failing on-lot systems. Several of the home owners have installed holding tanks as a temporary measure to address raw sewage discharges onto neighboring properties. Environmental benefits include reducing the flow of untreated or inadequately treated sewage to the Township's waterways.

PROJ DESC: The project entails construction of approximately 19,700 feet of gravity sewer, 9,180 feet of force main and a pump station.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION
Northumberland Borough - WWTP BNR Upgrade 100 Water Street Northumberland, PA 17857	COUNTY: Northumberland	I: \$6,816,406	IVA: \$0		PROJECT NO.: CS423042-01
	REGION: NC	II: \$4,544,272	IVB: \$1,152,035		PROJ. TYPE: STPMOD
	NPDES #: PA0020567	IIIA: \$1,272,572	V: \$0		DEP RATING: 40
	LOAN #: 72406	IIIB: \$0	ELIG. COST: \$13,785,285		DEP RANKING: 15 of 58
					PV RATING: 55

PROB DESC: The wastewater treatment plant is worn-out and it cannot meet the Bay requirements. Environmental benefits include reducing algae formation promoting a healthy aquatic environment in the Chesapeake Bay.

PROJ DESC: The Borough is under orders to upgrade the STP to meet the Chesapeake Bay requirements. They are doing I&I work on the lines, upgrading and modifying the pump station to prevent overflows and building a new biological treatment plant (oxidation ditch) to replace the old STP. This project was originally rated by DEP 11/26/13.

Green Project: Yes

Green Category: Energy Efficiency

Business Case Req'd: No

Green Funding: \$830,000.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION			
WESTMONT BOROUGH SANITARY SEWER REHABILITATION PROJECT - PHASE 1	COUNTY:	CAMBRIA	I:	\$0	IVA:	\$0	PROJECT NO.:	CS423070-01
1000 Luzerne Street	REGION:	SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	SSREH
Johnstown, PA 15905	NPDES #:	PA0026034	IIIA:	\$9,322,400	V:	\$0	DEP RATING:	39
	LOAN #:	71418	IIIB:	\$0	ELIG. COST:	\$9,322,400	DEP RANKING:	16 of 58
							PV RATING:	54

PROB DESC: The project will correct the infiltration and inflow of stormwater runoff into the sanitary sewer system resulting in the elimination of one combined sewer discharge point. Environmental benefits include reducing the flow of untreated or inadequately treated sewage to the Borough's waterways during wet weather.

PROJ DESC: This project consists of rehabilitating 91,468 LF of sanitary sewer lines using cured in place pipe lining, rehabilitating 472 manholes, and replacing or installing an additional 45 manholes. No additional EDU's will be added to the system. The capacity of the existing system will be sufficient for the rehabilitation work completed.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
Upper Tyrone Township Sewage Authority - 2013 Sanitary Sewer Project 174 Municipal Drive Connellsville, PA 15425	COUNTY: Fayette	I:	\$0	IVA:	\$7,880,000	PROJECT NO.: CS423059-01
	REGION: SW	II:	\$0	IVB:	\$1,970,000	PROJ. TYPE: SS
	NPDES #: PA0026581	IIIA:	\$0	V:	\$0	DEP RATING: 38
	LOAN #: 71413	IIIB:	\$0	ELIG. COST:	\$9,850,000	DEP RANKING: 17 of 58
						PV RATING: 43

PROB DESC: Within the Township exists malfunctioning on-lot sewer systems and wildcat sewers that discharge directly to streams in areas where no public sewers exist. These malfunctions include direct sewage discharges to roadside ditches, railroad ditches and slow functioning systems that contribute to surface flooding. Environmental benefits include reducing/eliminating the flow of untreated or inadequately treated sewage and greywater to the Township's waterways.

PROJ DESC: The proposed project consists of approximately 54,000 LF of gravity sewer, five (5) pumping stations and approximately 15,500 LF of low pressure EOne systems along Broadford Road, Montgomery Road and Kingsview Road.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
PORTAGE AREA SA - MARTINDALE SS EXT & BORO SANITARY/STORM WATER SEP PROJECT 606 Cambria Street Portage, PA 15946	COUNTY: CAMBRIA	I:	\$0	IVA:	\$4,000,000	PROJECT NO.: CS423069-01
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE: SS
	NPDES #: PA0032611	IIIA:	\$0	V:	\$0	DEP RATING: 37
	LOAN #: 75298	IIIB:	\$4,614,200	ELIG. COST:	\$8,614,200	DEP RANKING: 18 of 58 PV RATING: 52

PROB DESC: Approximately, 65% percent of the 147 residences in this area have malfunctioning on-lot septic systems. Raw sewage is being discharged to the surrounding lawns, roadways, and waterways. Environmental benefits include reducing the flow of untreated or inadequately treated sewage to the Borough's waterways.

PROJ DESC: PASA is proposing to install approximately 32,000 linear feet of 8-inch PVC gravity sewer line, laterals, and appurtenances in Portage Township to serve the 147 customers in the Martindale area. In addition, there are approximately 500 sewer customers served by the sewer system within the 3rd Ward of Portage Borough. Over half of the system in this Ward is allowing large amounts of I/I to enter the system through Class 3, 4, and 5 defects and leaking service laterals. PASA is proposing to replace approximately 18,500 linear feet of 8-inch, through 15-inch PVC gravity sewer pipes, laterals, and appurtenances that serve approximately 350 of these customers.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION		NEEDS CATEGORIES				PROJECT INFORMATION	
GEIGERTOWN AREA JT AUTH - SANITARY SEWER PROJECT	COUNTY: Berks	I:	\$0	IVA:	\$5,333,238	PROJECT NO.:	CS423076-01
1445 East Main Street	REGION: SC	II:	\$0	IVB:	\$0	PROJ. TYPE:	SS PS
Douglassville, PA 19518	NPDES #:	IIIA:	\$0	V:	\$0	DEP RATING:	35
	LOAN #: 0	IIIB:	\$0	ELIG. COST:	\$5,333,238	DEP RANKING:	19 of 58
						PV RATING:	35
PROB DESC:	This project will provide a new public sanitary sewage collection system that will resolve the existing on-lot sewage disposal system problems. Further the elimination of discharges to the groundwater will over time result in improved groundwater and surface water quality. Environmental benefits include reducing the flow of untreated or inadequately treated sewage to the Authority's waterways.						
PROJ DESC:	The project will include the construction of the following proposed new public sanitary sewage facilities: 12,600 linear feet of 8-inch PVC Sewer Collection Pipe 1,620 linear feet of 6-inch PVC Sewer Lateral Pipe 51 Precast Concrete Manholes 2 Duplex 200 gpm Pumping Stations including Emergency Generators 20,250 linear feet of 6-inch HDPE DR 11 Pressure Force Main 6 Precast Concrete Air Release Valve Chambers and Drain Pit Manholes construction of the new facilities will connect to the Birdsboro STP and will resolve an existing needs area identified in an approved Act 537 Plan.						
Green Project:	No					Green Category:	
Business Case Req'd:						Green Funding:	\$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION
READING CITY - FRITZ ISLAND WWTP LIQUIDS TREATMENT FACILITIES UPGRADE 815 Washington Street Reading, PA 19601	COUNTY: Berks	I: \$84,586,034	IVA:	\$0	PROJECT NO.: CS423073-01
	REGION: SC	II: \$0	IVB:	\$0	PROJ. TYPE: STP
	NPDES #: PA0026549	IIIA: \$0	V:	\$0	DEP RATING: 29
	LOAN #: 0	IIIB: \$0	ELIG. COST:	\$84,586,034	DEP RANKING: 20 of 58 PV RATING: 29

PROB DESC: The Fritz Island WWTP will undergo a major upgrade to comply with a Consent Decree. The Consent Decree requires the plant to be upgraded as described in The Final Act 537 Special Study dated August 2012. Accordingly, improvements are being made to the plant's liquid treatment processes and to the miscellaneous support facilities. The PENNVEST funds will fund improvements to the liquid treatment process to enable the plant to meet its NPDES Permit and enable the plant to be upgraded in the future to meet anticipated nutrient removal limits. In addition to treatment process improvements, the Final Act 537 Special Study indicated that the plant must be maintained in operation at all times during construction to meet its discharge permit and hydraulic bottlenecks are to be eliminated in the plant with all flow being conveyed to the Schuylkill River at its 100-year flood elevation.

The Consent Decree requires compliance with the following project schedule:
 - Water Quality Management Construction Permit Application – September 1, 2014
 - Complete Construction – February 28, 2018
 - Startup and Operation – Six months from completing construction
 the flow of untreated or inadequately treated sewage to the City's waterways.

Environmental benefits include reducing

PROJ DESC: The City of Reading is under a Federal Consent Decree to upgrade their treatment plant to resolve numerous NPDES violations. Existing 20.5mgd trickling filter plant will be upgraded (liquid treatment portion only) to an extended aeration activated sludge facility that can be upgraded readily in the future to a 5-stage Bardenpho to meet future NPDES limits.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
Middletown Borough Authority - SR 230 Sewer Infrastructure Improvements 60 West Emaus Street Middletown, PA 17057	COUNTY: Dauphin	I:	\$0	IVA:	\$0	PROJECT NO.: CS423064-01
	REGION: SC	II:	\$0	IVB:	\$0	PROJ. TYPE: SS SSREH
	NPDES #: PA0020664	IIIA:	\$0	V:	\$0	DEP RATING: 7
	LOAN #: 27872	IIIB:	\$1,198,000	ELIG. COST:	\$1,198,000	DEP RANKING: 21 of 58
						PV RATING: 22

PROB DESC: Middletown Borough Authority (MBA) seeks PENNVEST funding to correct failed wastewater collection facilities along State Route (SR) 230. Currently, pipe sections with significant cracks, voids and structural deterioration have created a public, environmental and economic hazard. Shutdowns to commercial facilities along SR 230 are possible if complete failure of this section of Middletown's sewer system were to occur. Local water sources, including Swatara Creek, have been impacted by sanitary sewer overflows at Hoffer Park and at manholes directly upstream of the Mill Street/Railroad Street Interceptor. This project should eliminate these environmental impacts.

PROJ DESC: Restore structural integrity to the system in the project area by minimizing I/I and eliminating SSO's. Project scope includes: (1) Replacing approximately 1,370 LF of 8" terracotta pipe with similar sized PVC pipe. (2) Rehabilitating approximately 3,225 LF of 8" to 10" terracotta pipe through cured-in-place pipe (CIPP) lining. (3) Rehabilitating approximately 1,340 LF of 6" laterals through cured-in-place pipe (CIPP) lining (from main line to ROW line). (4) Installing approximately 80 LF of 6" PVC lateral pipe and associated appurtenances (from main line to ROW line). (5) Installing approximately four (4) cleanouts in ROW. (6) Repairing and lining one (1) manhole. (7) Installing approximately four (4) precast concrete manholes.

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 900 Chestnut Avenue Altoona, PA 16601	COUNTY: Blair	I:	\$0	IVA:	\$0	PROJECT NO.: CS423034-01
	REGION: SC	II:	\$0	IVB:	\$5,384,650	PROJ. TYPE: PS INT
	NPDES #: PA0027022	IIIA:	\$0	V:	\$1,140,350	DEP RATING: N/A
	LOAN #: 71402	IIIB:	\$0	ELIG. COST:	\$6,525,000	DEP RANKING: 22 of 58
						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
BETHLEHEM CITY - BIOSOLIDS DEWATERING AND EFFLUENT PS IMPROVEMENTS PROJECT 10 East Church Street Bethlehem, PA 18018	COUNTY: Northampton	I: \$10,737,000	IVA: \$0		PROJECT NO.: CS423032-01
	REGION: NE	II: \$0	IVB: \$0		PROJ. TYPE: STPMOD
	NPDES #: PA0026042	IIIA: \$0	V: \$0		DEP RATING: N/A
	LOAN #: 71405	IIIB: \$0	ELIG. COST: \$10,737,000		DEP RANKING: 23 of 58
					PV RATING: 90

PROB DESC: As part of the Long Term Control Plan there is a need to address wet weather combined sewer overflows and the long-term reliability of the City's wastewater treatment plant (WWTP). Environmental benefits include reducing the frequency and amount of combined sewer overflows to the Lehigh River during wet weather.

PROJ DESC: The WWTP requires upgrades to the following: sludge dewatering systems with a building expansion and the addition of sludge centrifuges; sludge pumps; polymer feed system; new magnetic effluent flow meter; two new 20 MGD vertical turbine effluent pumps. Six (6) WWTP process areas will also be tied into the SCADA system.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
BOROUGH OF GIRARD -- WWTP IMPROVEMENTS PROJECT 34 Main Street West Girard, PA 16417	COUNTY: Erie	I: \$6,100,000	IVA: \$0	PROJECT NO.: CS423027-01		
	REGION: NW	II: \$0	IVB: \$0	PROJ. TYPE: STPMOD		
	NPDES #: PA0020541	IIIA: \$0	V: \$0	DEP RATING: N/A		
	LOAN #: 71403	IIIB: \$0	ELIG. COST: \$6,100,000	DEP RANKING: 24 of 58		
				PV RATING: 68		

PROB DESC: Raw sewage discharging during wet weather exists at the WWTP. Environmental benefits include reducing insufficiently treated sewage sent to Elk Creek during wet weather.

PROJ DESC: A 500,000 gallon concrete equalization basin will be constructed to receive peak flows in excess of 2 MGD. Two 25 HP chopper pumps and a vortex valve vault will be utilized when influent flows to the plant recede to dewater the basin. Other project components include upgrades to the 4 existing primary clarifiers. The existing sprinkling filter will be demolished and a 60 ft diameter, 20 ft high roughing filter will be constructed. A new trickling filter pump station will be constructed and there will be assorted demolition.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
Borough of Trafford - Significant Deficiency Repairs - Phase IV - Final 414 Brinton Avenue Trafford, PA 15085	COUNTY: Westmoreland	I: \$0	IVA: \$0	II: \$0	IVB: \$0	PROJECT NO.: CS423044-01
	REGION: SW	III A: \$5,500,000	V: \$0	III B: \$0	ELIG. COST: \$5,500,000	PROJ. TYPE: SS
	NPDES #: PA0025984					DEP RATING: N/A
	LOAN #: 75293					DEP RANKING: 25 of 58
						PV RATING: 69

PROB DESC: Wet weather overflows to stream from combined sewers exist. Environmental benefits include reducing insufficiently treated sewage sent to the Borough's waterways during wet weather.

PROJ DESC: This is one phase of a multi-phase project consisting of rehabilitation and replacement of existing sewers.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
Burgettstown-Smith Twp Jt SA - Plum Run Sewer Extension P.O. Box 358 Atlasburg, PA 15004	COUNTY: Washington	I:	\$0	IVA:	\$2,140,000	PROJECT NO.: CS422984-01
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE: SS
	NPDES #: PA0216216	IIIA:	\$0	V:	\$0	DEP RATING: N/A
	LOAN #: 75287	IIIB:	\$0	ELIG. COST:	\$2,140,000	DEP RANKING: 26 of 58
						PV RATING: 41

PROB DESC: MALFUNCTIONING ON-LOT SEPTIC SYSTEMS DISCHARGE TO PLUM RUN. ENVIRONMENTAL BENEFITS INCLUDE REDUCING THE AMOUNT OF INADEQUATELY TREATED SEWAGE SENT TO PLUM RUN.

PROJ DESC: SANITARY SEWER EXTENSION PROJECT INCLUDING 16,000 LF OF 8" GRAVITY SEWER AND APPUTENANCES TO SERVE 50 EDUS. TREATMENT WILL BE PROVIDED AT EXISTING BSTJSA STP.

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:	N/A	
	LOAN #: 71407	IIIB: \$0	ELIG. COST: \$8,900,000	DEP RANKING:	27 of 58	
				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	
COOPER TWP MA - WASTEWATER COLLECTION & CONVEYANCE SYSTEM 19 Steltz Road Danville, PA 17821	COUNTY: Montour	I:	\$0	IVA:	\$2,524,235	PROJECT NO.: CS423005-01
	REGION: NC	II:	\$0	IVB:	\$1,325,765	PROJ. TYPE: PS SS INT FM
	NPDES #: PA0023531	IIIA:	\$0	V:	\$0	DEP RATING: N/A
	LOAN #: 75286	IIIB:	\$0	ELIG. COST:	\$3,850,000	DEP RANKING: 28 of 58
						PV RATING: 44

PROB DESC: In 2004 a field verification survey confirmed 47.8% on-lot disposal system malfunction rate out of 140 establishments surveyed within the Route 11 and Bloom Road Corridor. The presence of fecal coliform is the primary criteria for septic failures. The presence of fecal coliform in 100% of the 10 streams samples is indicative of a problem which points directly to malfunctioning septic tanks. Since the time of the survey, the local Sewage Enforcement Officer has confirmed that an additional three (3) systems have been identified resulting in a 50% confirmed OLDS malfunction rate. Environmental benefits include reducing insufficiently treated sewage sent to the Township's waterways from malfunctioning on-lot systems.

PROJ DESC: The wastewater collection and conveyance system will consist of approximately 35,662 LF of 8-inch PVC gravity sewers, 13,410 LF of force main, two (2) sewage lift stations, one duplex grinder pumping station and one residential grinder unit. The entire collection system will be pumped directly to the existing Danville Borough Municipal Authority collection and treatment system.

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	COUNTY: Montour	I:	\$0	IVA:	\$0	PROJECT NO.:	CS423046-01
P O Box 179	REGION: NC	II:	\$0	IVB:	\$7,809,000	PROJ. TYPE:	INT PS
Danville, PA 17821	NPDES #: PA0023531	IIIA:	\$0	V:	\$0	DEP RATING:	N/A
	LOAN #: 71408	IIIB:	\$0	ELIG. COST:	\$7,809,000	DEP RANKING:	29 of 58
						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	
EAST VANDERGRIFT BOROUGH - SEWER SEPARATION PROJECT 254 Kennedy Avenue East Vandergrift, PA 15629	COUNTY: Westmoreland	I:	\$0	IVA:	\$0	PROJECT NO.: CS423019-01
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE: SS
	NPDES #: PA0027626	IIIA:	\$0	V:	\$5,000,000	DEP RATING: N/A
	LOAN #: 71401	IIIB:	\$0	ELIG. COST:	\$5,000,000	DEP RANKING: 30 of 58
						PV RATING: 60

PROB DESC: Wet weather sewage overflows exist. Environmental benefits include reducing untreated or insufficiently treated sewage sent to the Kiskiminetas River during wet weather.

PROJ DESC: Construction of new sanitary sewers to separate existing combined sewers and perform spot repairs to existing sewers to be converted to storm sewers.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION					NEEDS CATEGORIES			PROJECT INFORMATION
Foster Township Sanitary Sewer Extension Project 1185 East Main Street Bradford, PA 16701	COUNTY:	McKean	I:	\$0	IVA:	\$4,808,300	PROJECT NO.:	CS423041-01
	REGION:	NW	II:	\$0	IVB:	\$0	PROJ. TYPE:	SS
	NPDES #:	PA0026379	IIIA:	\$0	V:	\$0	DEP RATING:	N/A
	LOAN #:	75291	IIIB:	\$0	ELIG. COST:	\$4,808,300	DEP RANKING:	31 of 58
							PV RATING:	49

PROB DESC: Areas in Foster Township have malfunctioning and inadequate on-lot systems. These systems are plausibly affecting both environmental and public health in the area. There is a confirmed malfunction rate of 71.6%. Environmental benefits include eliminating the potential of surface water contamination resulting from malfunctioning onlot systems.

PROJ DESC: This project will serve 335 EDU's and consists of approximately 100,000 LF of low pressure sewer, two pump stations, 335 grinder pumps, and approximately 2,100 LF of gravity sewer.

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:	N/A	
	LOAN #: 72404	IIIB: \$0	ELIG. COST: \$1,362,000	DEP RANKING:	32 of 58	
				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

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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 REGION: SW NPDES #: PA0253812 LOAN #: 75294	I: II: IIIA: \$1,220,000 IIIB:	\$0 \$0 \$0 \$0	IVA: IVB: V: ELIG. COST:	\$0 \$0 \$0 \$1,220,000	PROJECT NO.: CS423050-01 PROJ. TYPE: INT DEP RATING: N/A DEP RANKING: 33 of 58 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	
HARRISBURG AUTHORITY - ADV. WWTF IMPROVEMENTS PJT. 212 Locust Street, Suite 102 Harrisburg, PA 17101	COUNTY: Dauphin REGION: SC NPDES #: PA0027197 LOAN #: 71400	I: \$10,734,600 II: \$42,938,400 III A: \$0 III B: \$0	IV A: \$0 IV B: \$0 V: \$0 ELIG. COST: \$53,673,000		PROJECT NO.: CS423025-01 PROJ. TYPE: STPMOD DEP RATING: N/A DEP RANKING: 34 of 58 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	
HAWTHORN REDBANK REDBANK MA - HAWTHORN AREA SS AND WWTP P.O. Box 241 Hawthorn, PA 16230	COUNTY: Clarion	I: \$1,850,000	IVA: \$7,100,000	PROJECT NO.:	CS423014-01	
	REGION: NW	II: \$0	IVB: \$0	PROJ. TYPE:	STP SS	
	NPDES #: PA0263893	IIIA: \$0	V: \$0	DEP RATING:	N/A	
	LOAN #: 75279	IIIB: \$0	ELIG. COST: \$8,950,000	DEP RANKING:	35 of 58	
				PV RATING:	62	

PROB DESC: Construction of a new SBR WWTP and sanitary sewers in Hawthorn Borough, Mayport and the Walker Flat area to address a 50.6% confirmed onlot malfunction rate. Environmental benefits include reducing insufficiently treated sewage sent to the community's waterways from malfunctioning onlot systems.

PROJ DESC: The project will serve 363 EDU's and consists of a 200,000 GPD SBR WWTP, approximately 73,000 feet of gravity sewer, 3000 feet of forcemain and 3 pump stations. This is deemed Phase A with Phase B to follow.

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) P.O. Box 241 Hawthorn, PA 16230	COUNTY: Clarion	I:	\$0	IVA:	\$3,381,750	PROJECT NO.: CS423028-01
	REGION: NW	II:	\$0	IVB:	\$0	PROJ. TYPE: SS PS
	NPDES #: PA0263893	IIIA:	\$0	V:	\$0	DEP RATING: N/A
	LOAN #: 75288	IIIB:	\$0	ELIG. COST:	\$3,381,750	DEP RANKING: 36 of 58
						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	
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: N/A
	LOAN #: 71409	IIIB:	\$0	ELIG. COST:	\$3,343,500	DEP RANKING: 37 of 58
						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 Village 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	
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:	N/A	
	LOAN #: 27865	IIIB: \$0	ELIG. COST: \$575,000	DEP RANKING:	38 of 58	
				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	
Johnstown City - Oakhurst Sanitary/Storm Sewer Separation Project Phase I 401 Main Street Johnstown, PA 15901	COUNTY: Cambria	I: \$0	IVA: \$0	II: \$0	IVB: \$0	PROJECT NO.: CS423040-01
	REGION: SW	IIIA: \$10,900,000	V: \$0	III B: \$0	ELIG. COST: \$10,900,000	PROJ. TYPE: SS
	NPDES #: PA0026034					DEP RATING: N/A
	LOAN #: 71406					DEP RANKING: 39 of 58
						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	
JOHNSTOWN CITY - ROXBURY SANITARY/STORM SEWER SEPARATION PROJECT PHASE I 401 Main Street Johnstown, PA 15901	COUNTY: Cambria	I:	\$0	IVA:	\$0	PROJECT NO.: CS423016-01
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE: SS
	NPDES #: PA0026034	IIIA: \$10,900,000		V:	\$0	DEP RATING: N/A
	LOAN #: 71397	IIIB: \$0	ELIG. COST: \$10,900,000			DEP RANKING: 40 of 58 PV RATING: 77

PROB DESC: Sanitary Sewer overflows during wet weather exist. Environmental benefits include reducing insufficiently treated sewage sent to Stony Creek during wet weather.

PROJ DESC: Replacement and rehabilitation of existing sanitary sewers including 39,500 LF of 8" PVC sanitary sewers, 1,350 LF of 8" HDPE sanitary sewer lining, 275 LF of 8" and 12" CIPP lining, 600 LF of 8" and 12" storm sewers and 545 lateral inspection ports to reduce SSOs to Stony Creek. Treatment provided at existing Dornick Point 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 REDEV. AUTH. - FRANKLIN ST INTERCEPTOR REHAB AND STORMWATER SEP 401 Washington Street Jonstown, PA 15901	COUNTY: Cambria REGION: SW NPDES #: PA0026034 LOAN #: 71399 I: \$0 II: \$0 IIIA: \$2,500,000 IIIB: \$0	PROJECT NO.: CS423020-01 PROJ. TYPE: INT DEP RATING: N/A DEP RANKING: 41 of 58 PV RATING: 78 IV: \$0 V: \$0 ELIG. COST: \$2,500,000

PROB DESC: Wet weather sewage overflows exist. Environmental benefits include reducing untreated or insufficiently treated sewage sent to the Comemaugh River during wet weather.

PROJ DESC: Construction of replacement interceptor sewer to increase capacity and remove leaking joints.

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:	N/A
	LOAN #:	72405	IIIB:	\$0	ELIG. COST:	\$8,668,000	DEP RANKING:	42 of 58
							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 coarse 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	
LAWRENCE HICKORY MA - HARLANSBURG ROAD AREA SANITARY SEWER LINE EXTENSION	COUNTY: Lawrence	I:	\$0	IVA:	\$4,333,700	PROJECT NO.: CS423007-01
P.O. Box 7957, 1928 Harlansburg Road New Castle, PA 16107	REGION: NW	II:	\$0	IVB:	\$0	PROJ. TYPE: SS
	NPDES #: PA0027511	IIIA:	\$0	V:	\$0	DEP RATING: N/A
	LOAN #: 75281	IIIB:	\$0	ELIG. COST:	\$4,333,700	DEP RANKING: 43 of 58
						PV RATING: 52

PROB DESC: The installation of the sanitary sewer line will address the problem of malfunctioning on-lot septic systems surrounding the S.R. 108 (Harlansburg Road) area. Of the 182 systems surveyed, 131 systems were malfunctioning or suspected to be malfunctioning. Environmental benefits include reducing insufficiently treated sewage sent to the Authority's waterways from malfunctioning on-lot systems.

PROJ DESC: The proposed project will involve the installation of approximately 35,000 LF of gravity sanitary sewer pipe, 20,000 LF of force main pipe and three pump stations to service 233 EDUs, which consist of 182 homes and small businesses, a fairground, and the Laurel School District.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
LEMOYNE BORO MA - WWTP UPGRADE 3 Lowther Street Lemoyne, PA 17043	COUNTY: Lemoyne	I: \$0	IVA: \$0	II: \$11,000,000	IVB: \$0	PROJECT NO.: CS423008-01
	REGION: SC	III A: \$0	V: \$0	III B: \$0	ELIG. COST: \$11,000,000	PROJ. TYPE: STPMOD PS
	NPDES #: PA0026441					DEP RATING: N/A
	LOAN #: 71398					DEP RANKING: 44 of 58
						PV RATING: 51

PROB DESC: The Lemoyne Borough wastewater treatment plant does not meet the Chesapeake Bay requirements for nutrient reduction. The plan also provides for reduction in size of the existing 2.088 MGD to 1.3 MGD annual average flow with part of its user base going to Hampden Township. Environmental benefits include reducing algae formation promoting a healthy aquatic environment in the Chesapeake Bay.

PROJ DESC: Refurbish a 2.05 MGD plant to 1.3 MGD and improving treatment methods to comply with new BNR mandates.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
MOSHANNON VLY JT SA - REGIONAL WPCF UPGRADE 829 North 9th Street Phillipsburg, PA 16866	COUNTY: Centre	I: \$631,100	IVA: \$0	PROJECT NO.:	CS423018-01	
	REGION: NC	II: \$768,400	IVB: \$0	PROJ. TYPE:	STPMOD	
	NPDES #: PA0037966	IIIA: \$0	V: \$0	DEP RATING:	N/A	
	LOAN #: 75280	IIIB: \$0	ELIG. COST: \$1,399,500	DEP RANKING:	45 of 58	
				PV RATING:	56	

PROB DESC: The NPDES limits were made more stringent to meet the Chesapeake Bay requirements. This plant is old and is unable to meet the new effluent limits. Environmental benefits include reducing algae formation promoting a healthy aquatic environment in the Chesapeake Bay.

PROJ DESC: The proposed project consists of installing or modifying flow measurement devices and cycling and speed controls for blowers and feed pumps.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
Munhall Sanitary Sewer Deficiency Corrections- Phase 2 1809 West Street Munhall, PA 15120	COUNTY: Allegheny	I:	\$0	IVA:	\$0	PROJECT NO.: CS423043-01
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE: CS SS
	NPDES #: PA0025984	IIIA:	\$5,193,150	V:	\$641,850	DEP RATING: N/A
	LOAN #: 75292	IIIB:	\$0	ELIG. COST:	\$5,835,000	DEP RANKING: 46 of 58
						PV RATING: 68

PROB DESC: Wet weather overflows to stream from sanitary sewers exist. Environmental benefits include reducing insufficiently treated sewage sent to the Monongahela River during wet weather.

PROJ DESC: This is Phase II of a multi-phase project consisting of rehabilitation of existing sewers.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
NORTH SEWICKLEY TWP. SA - PHASE III AND EASTVALE SEWER IMPROVEMENTS 893 Mercer Road Beaver Falls, PA 15010	COUNTY: Beaver	I:	\$0	IVA:	\$2,908,500	PROJECT NO.: CS423012-01
	REGION: SW	II:	\$0	IVB:	\$513,250	PROJ. TYPE: SS
	NPDES #: PA0026883	IIIA:	\$0	V:	\$0	DEP RATING: N/A
	LOAN #: 75284	IIIB:	\$0	ELIG. COST:	\$3,421,750	DEP RANKING: 47 of 58
						PV RATING: 47

PROB DESC: Malfunctioning on-lot sewage systems and existing surcharging sewers with wet weather overflows and basement back-ups. Environmental benefits include reducing insufficiently treated sewage sent to the Township's waterways from malfunctioning on-lot systems.

PROJ DESC: New sanitary sewers to serve residences with malfunctioning on-lot systems and new parallel interceptor sewer to go around existing surcharging sewer. Phase III Sewer Improvements (Contract No. 12-S2) consists of the installation of approximately 34,400 linear feet of HDPE low pressure sanitary sewer, 4,500 linear feet of 8-inch of gravity sewer, 1,700 linear feet of 6-inch service sewer, 23 wye connections, 100 grinder pumps, 25 manholes, state and township road restoration and all necessary appurtenances for said construction.

Eastvale Sewer Improvements, (Contract 12-S1) consist of the installation of 2,500 linear feet of 12 inch diameter sanitary sewer, 15 manholes and all temporary and permanent surface restoration including lawn, concrete sidewalk, bituminous roadway and driveway.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES	PROJECT INFORMATION
PITTSBURGH W&S AUTHORITY - LOWER HILL INFRASTRUCTURE PROJECT PHASE 1A 1200 Penn Avenue Pittsburgh, PA 15222	COUNTY: Allegheny REGION: SW NPDES #: PA0025984 LOAN #: 71404 I: \$0 II: \$0 III A: \$0 III B: \$0 IV A: \$0 IV B: \$0 V: \$2,300,000 ELIG. COST: \$2,300,000	PROJECT NO.: CS423030-01 PROJ. TYPE: CSO DEP RATING: N/A DEP RANKING: 48 of 58 PV RATING: 103

PROB DESC: Combined sewer overflows exist during wet weather. The construction of this storm sewer is part of a long-term effort to separate sanitary and storm flows and redirect stormwater from this project area to the Allegheny River Basin which will require the completion of a future storm connector phase between 11th Street and Washington Place, currently under study/design review. Until this future project is completed, the proposed storm sewer will connect to the existing combined sewer system. Environmental benefits include reducing insufficiently treated sewage sent to the Allegheny River during wet weather.

PROJ DESC: The proposed project will provide a dedicated PWSA storm sewer in Centre Avenue. The current combined sewer ranges from 24" at Crawford Street to 30" at Washington Place. The new proposed dedicated storm sewer lines will be sized to handle future anticipated separated flows from the Upper Hill section of the City of Pittsburgh, and from anticipated flows related to the Lower Hill Redevelopment Project. This is Phase 1A of a multi-phase project consisting of 1800 linear feet of new storm sewers.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
SALTSBURG BOROUGH SEWAGE TREATMENT PLANT REPLACEMENT 320 Point Street Saltsburg, PA 15681	COUNTY: Indiana	I: \$1,911,000	IVA: \$0		PROJECT NO.: CS423031-01	
	REGION: SW	II: \$0	IVB: \$0		PROJ. TYPE: STP PS INT	
	NPDES #: PA0254606	IIIA: \$0	V: \$1,274,000		DEP RATING: N/A	
	LOAN #: 75289	IIIB: \$0	ELIG. COST: \$3,185,000		DEP RANKING: 49 of 58	
					PV RATING: 61	

PROB DESC: Although the plant is permitted for and was designed for a design average flow of 0.2 MGD, it appears that 0.132 MGD is a more realistic estimate of its peak capacity. Combined sewer overflows during wet weather exist with discharges to the Conemaugh River. Environmental benefits include reducing insufficiently treated sewage sent to the Conemaugh River during wet weather.

PROJ DESC: The project will include the construction of a 200,000 GPD sewage treatment plant (including flow equalization), a new pump station and CSO separation and reconstruction.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00

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APPLICANT INFORMATION	NEEDS CATEGORIES				PROJECT INFORMATION	
SANDY LAKE TOWNSHIP - MERCER ROAD AND WALNUT STREET PRESSURE SEWER SYSTEM	COUNTY: Mercer	I:	\$0	IVA:	\$500,000	PROJECT NO.: CS423015-01
3086 Sandy Lake - Grove City Road Sandy Lake, PA 16145	REGION: NW	II:	\$0	IVB:	\$0	PROJ. TYPE: SS
	NPDES #:	IIIA:	\$0	V:	\$0	DEP RATING: N/A
	LOAN #: 75282	IIIB:	\$0	ELIG. COST:	\$500,000	DEP RANKING: 50 of 58
						PV RATING: 51

PROB DESC: Houses and businesses along Mercer Road and Walnut Street in Sandy Lake Township have a 27% confirmed onlot malfunction rate. Environmental benefits include reducing insufficiently treated sewage sent to the Township's waterways from malfunctioning on-lot systems.

PROJ DESC: A low pressure sewer system consisting of 26 simplex grinder pumps, 3 duplex grinder pumps, and assorted pressure sewer line and pressure main will be installed.

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: N/A
	LOAN #: 27867	IIIB:	\$0	ELIG. COST:	\$805,000	DEP RANKING: 51 of 58
						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	
TYRONE TWP - SANITARY SEWER SYSTEM 5280 Old Harrisburg Road York Springs, PA 17372	COUNTY: Adams	I: \$467,500	IV A: \$856,150	PROJECT NO.:	CS423010-01	
	REGION: SC	II: \$0	IV B: \$0	PROJ. TYPE:	STPMOD SS PS	
	NPDES #: PA0083534	III A: \$0	V: \$0	DEP RATING:	N/A	
	LOAN #: 75283	III B: \$0	ELIG. COST: \$1,323,650	DEP RANKING:	52 of 58	
				PV RATING:	49	

PROB DESC: Continued malfunctioning of on-lot disposal systems in the Village of Heidlesburg would result in deterioration of groundwater quality and of the surrounding environment. The groundwater is the sole source of drinking water and is being significantly compromised with the continued use of malfunctioning on-lot systems. Environmental benefits include reducing insufficiently treated sewage sent to the Township's waterways from malfunctioning on-lot systems.

PROJ DESC: Construction of a new collection system in the Village of Heidlesburg that would be connected to the existing Walnut Grove Mobile Home Park 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	
UPPER YODER TOWNSHIP AUTHORITY REHABILITATION PROJECT 302 Elm Street Johnstown, PA 15905	COUNTY: Cambria	I: \$0	IV A: \$0	II: \$0	IV B: \$0	PROJECT NO.: CS423051-01
	REGION: SW	III A: \$8,750,000	V: \$0			PROJ. TYPE: SSREH
	NPDES #: PA0026034	III B: \$0	ELIG. COST: \$8,750,000			DEP RATING: N/A
	LOAN #: 71410					DEP RANKING: 53 of 58
						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	
VANDERGRIFT BOROUGH COMBINED SEWER SEPARATION PHASE 2 109 Grant Avenue Vandergrift, PA 15690	COUNTY: Westmoreland REGION: SW NPDES #: PA0027626 LOAN #: 75278	I: II: III A: III B:	\$0 \$0 \$0 \$0	IV A: IV B: V: ELIG. COST:	\$0 \$0 \$10,880,300 \$10,880,300	PROJECT NO.: CS423017-01 PROJ. TYPE: SS DEP RATING: N/A DEP RANKING: 54 of 58 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	
West Branch Regional Authority - Replace & Slip Line CS; WWTP Demolition P.O. Box 428 Muncy, PA 17756	COUNTY: Lycoming	I: \$1,226,437	IVA: \$0	PROJECT NO.:	CS423036-01	
	REGION: NC	II: \$0	IVB: \$0	PROJ. TYPE:	INT SS	
	NPDES #: PA0024325	IIIA: \$2,698,163	V: \$0	DEP RATING:	N/A	
	LOAN #: 75290	IIIB: \$0	ELIG. COST: \$3,924,600	DEP RANKING:	55 of 58	
				PV RATING:	73	

PROB DESC: There are many lines within the system that are broken, bored through or leaking causing excessive I/I, backups and overflows. Environmental benefits include reducing insufficiently treated sewage sent to the Susquehanna River during wet weather.

PROJ DESC: Two wastewater treatment plants are being replaced with a new one and part of this project is to demolish the two old plants. Most of the work will be to repair, replace or re-line 12,350 linear feet of pipe to remove most of the I/I getting into the system. This work, in addition to the new wastewater treatment plant, will eliminate the overloaded conditions within the system. The new treatment plant is not part of this project.

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	COUNTY: Bedford	I:	\$0	IVA:	\$5,000,000	PROJECT NO.:	CS423054-01
83 East Fifth Avenue Everett, PA 15537	REGION: SC	II:	\$0	IVB:	\$0	PROJ. TYPE:	PS SS
	NPDES #: PA0037711	IIIA:	\$0	V:	\$0	DEP RATING:	N/A
	LOAN #: 71411	IIIB:	\$0	ELIG. COST:	\$5,000,000	DEP RANKING:	56 of 58
						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:	N/A
	LOAN #: 27868	IIIB:	\$0	ELIG. COST:	\$830,000	DEP RANKING:	57 of 58
						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
Zerbe Twp - WWTF 800 Mahanoy Street Trevorton, PA 17881	COUNTY: Northumberland I: \$3,203,450 REGION: NC II: \$0 NPDES #: PA0021539 IIIA: \$0 LOAN #: 75285 IIIB: \$0 ELIG. COST: \$3,203,450	PROJECT NO.: CS422997-01 PROJ. TYPE: STPMOD DEP RATING: N/A DEP RANKING: 58 of 58 PV RATING: 47

PROB DESC: STP is worn out and having hydraulic problems. Environmental benefits include reducing algae formation promoting a healthy aquatic environment in the Chesapeake Bay.

PROJ DESC: Replace aging 0.36 MGD STP with a new 0.5 MGD STP.

Green Project: No

Green Category:

Business Case Req'd:

Green Funding: \$0.00