

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
 CLEAN WATER STATE REVOLVING FUND
 FY 2008 AND FY 2009 PROJECT PRIORITY LIST**

APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Delano Township Board of Supervisors P.O. Box 103 Delano, PA 18220	COUNTY: REGION: NPDES:	Schuylkill NE	I: II: III A:	\$0 \$0 \$0 \$0	IV A: IV B: V: ELIG.	\$2,319,681 \$740,218 \$0 \$3,059,899	PROJECT NO.:	CS422643-01
							PROJ. TYPE:	PS FM INT SS
							PROJECT RATING:	46
							PROJECT RANKING:	1 of 54
PROB	Wildcat sewers, malfunctioning onlot systems and failing pump stations exist in the Village of Delano, the Village of Quakake and the MAJIC Industrial Park. Environmental benefits include reducing insufficiently treated sewage sent to the Township's waterways.							
PROJ	Install 12,000 LF of gravity line, 5200 LF of force main and a 61,500 gpd pump station							
Washington Twp MA - Sewage Treatment Plant Upgrade 11800 Edinboro Road Edinboro, PA 16412	COUNTY: REGION: NPDES:	Erie NW	I: II: III A:	\$4,340,244 \$0 \$0 \$0	IV A: IV B: V: ELIG.	\$663,802 \$102,123 \$0 \$5,106,169	PROJECT NO.:	CS422628-01
							PROJ. TYPE:	STPMOD PS
							PROJECT RATING:	46
							PROJECT RANKING:	2 of 54
PROB	Washington Township's Angling Road Sewage Treatment Plant has been hydraulically overloaded since the mid-1990s. The upgrade will triple the design capacity of the plant, thereby eliminating the hydraulic overload meeting the projected design load of 2028. The proposed project will enable a ban on commercial/residential expansion to end and provide capacity for development as projected for a 20 year design period. Environmental benefits include eliminating the discharge of solids into the receiving stream, which is a tributary to Edinboro Lake.							
PROJ	The project will upgrade Washington Township's Angling Road Sewage Treatment Plant, which currently has a design capacity of 200,000 gallons per day, to a design capacity of 600,000 gallons per day, which is the projected load for the design year of 2028. The organic capacity will be increased from 350 pounds per day to 900 pounds per day. The project also includes the relocation of the discharge to an unnamed tributary of Conneauttee Creek, which is downstream of Edinboro Lake. The discharge force main will be approximately 7,200 feet long, 10 inches in diameter, and have a capacity of at least 834 gallons per minute, which is the design peak hour flow rate.							

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Pine Township Sanitary Sewer Project 327 Clay Avenue Templeton, PA 16259	COUNTY:	Armstrong	I:	\$1,890,000	IVA:	\$2,436,333	PROJECT NO.:	CS422622-01
	REGION:	SW	II:	\$0	IVB:	\$1,000,000	PROJ. TYPE:	STP PS INT SS
	NPDES:		IIIA:	\$0	V:	\$5,326,000	PROJECT RATING:	44
				\$0	ELIG.	\$10,652,333	PROJECT RANKING:	3 of 54
PROB	Templeton is served by a wildcat sewer system discharging untreated sewage to the Allegheny River. Environmental benefits include eliminating the discharge of untreated sewage to the Township's waterways.							
PROJ	The project will include the installation of 19,300 lf of sanitary sewers, 2 pump stations, 5000 lf of force main and a 60,000 gallons per day treatment plant.							
California Borough - Sewer System Upgrade and Expansion Project - Phase 1 225 Third Street California, PA 15419	COUNTY:	Washington	I:	\$0	IVA:	\$2,736,070	PROJECT NO.:	CS422626-01
	REGION:	SW	II:	\$0	IVB:	\$4,155,000	PROJ. TYPE:	SS PS INT
	NPDES:	PA0022241	IIIA:	\$0	V:	\$0	PROJECT RATING:	43
				\$0	ELIG.	\$6,891,070	PROJECT RANKING:	4 of 54
PROB	Several areas of the Borough are currently unsewered and are discharging untreated and partially treated sewage into Pike Run. It is proposed to collect the sewage and convey it for treatment at the Borough's STP (NPDES Permit No.PA0022241). Environmental benefits include eliminating wildcat sewer / malfunctioning onlot disposal systems discharge to the waters of the Commonwealth.							
PROJ	Construction of a new Central Pump Station and the rehabilitation of 848 lf of 24" diameter interceptor and 700 lf of force main. Also, installation of 16,075 lf of 8" to 15" sanitary sewers.							

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Foster Township - Woodside Wastewater Construction Project P.O. Box 465 Freeland, PA 18224	COUNTY:	Luzerne	I:	\$0	IVA:	\$5,937,626	PROJECT NO.:	CS422629-01
	REGION:	NE	II:	\$0	IVB:	\$888,701	PROJ. TYPE:	SS INT PS
	NPDES:	PA0024716	IIIA:	\$0	V:	\$0	PROJECT RATING:	40
				\$0	ELIG:	\$6,826,327	PROJECT RANKING:	5 of 54
PROB	This project will address the issues of "wildcat" sewers, malfunctioning on-lot wastewater disposal systems, excessive infiltration/inflow in Foster Township's existing Sub-area 5 wastewater collection system and hydraulic overload at the Freeland Municipal Authority's Wastewater Treatment Facility. Environmental benefits include reducing insufficiently treated sewage from the Villages of Woodside, Youngstown, Highland, Upper Lehigh and Foster Township's Sub Area 5 sent to Foster Township's waterways.							
PROJ	The project consists of the installation of conventional gravity, low-pressure and high pressure wastewater collection and conveyance systems, replacement of a pump station and the installation of new pump stations.							
Foster Township - Wastewater Collection & Conveyance to FMA P.O. Box 465 Freeland, PA 18224	COUNTY:	Luzerne	I:	\$0	IVA:	\$7,007,764	PROJECT NO.:	CS422655-01
	REGION:	NE	II:	\$0	IVB:	\$875,484	PROJ. TYPE:	SS PS INT
	NPDES:		IIIA:	\$0	V:	\$0	PROJECT RATING:	40
				\$0	ELIG:	\$7,883,248	PROJECT RANKING:	6 of 54
PROB	The Woodside area is serviced 100% by wildcat sewers. The Youngstown and Highland areas are serviced by wildcat sewers and antiquated on-lot systems, consisting of lateral pipes from the homes, to either a septic tank or a holding tank. The Upper Lehigh area is serviced by 100% on-lot sewage disposal systems. Because of the lack of lot size, there is only one known absorption or drain field. In most cases, the holding or septic tanks have outlet pipes that either discharge to road ditches, wildcat lines, or to lower properties by sheet flow. In estimating the extent of pollution, 24% of the planning area is serviced by antiquated on-lot septic systems of which approximately 75% are substandard with the majority located in Highland and Upper Lehigh. The existing system within Sub-Area 5 was installed in the 1930's with terra-cotta pipe. Through televising the lines, severe cracks, sags, busted pipes and this led led to inflow/infiltration problems. Replacing these lines will alleviate the I/I and overloads and the installation of a collection and conveyance system for the other four areas will remove any public							
PROJ	This project involves the construction of a new sanitary system that will consist of approximately the following: 14,000 ft of 6" laterals, 33,000 ft of 8", 3,400 ft of 10", and 2,500 ft of 12" gravity sewer lines, 7,900 feet of force main, 190 pre-cast sewer manholes, 4 pump stations, and 550 lateral connections. In addition, this project consists of the replacing sanitary sewers located within Sub-Area 5(246 EDU's as designated by DEP and Freeland Borough), and installing a new collection and conveyance system for the Villages of Highland (85 EDU's), Youngstown (43 EDU's), Upper Lehigh (83 EDU's), and Woodside District(231 EDU's - 93 single family homes + 138 EDU's from various businesses) of Foster Township. The sewer system will initially serve 688 EDU's. With future development of vacant lots, there is a potential to serve 750 EDU's with the new system.							

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APPLICANT INFORMATION		NEEDS CATEGORIES				PROJECT INFORMATION	
Strausstown Borough 101 Main Street, P.O. Box 269 Strausstown, PA 19559		COUNTY: Berks	I: \$471,600	IVA: \$1,400,000	PROJECT NO.: CS422301-01	PROJ. TYPE: STP PS INT SS	
		REGION: SC	II: \$0	IVB: \$650,000	PROJECT RATING: 39	PROJECT RANKING: 7 of 54	
		NPDES:	IIIA: \$0	V: \$0			
			III: \$0	ELIG: \$2,521,600			
PROB	A total of 63 properties were surveyed as part of the sewage needs analysis performed in the Borough and a small portion of Upper Tulpehocken Township. According to DEP definitions, 38% of the on-lot disposal systems examined were considered confirmed malfunctions, 18% were considered suspected malfunctions, and 44% were considered potential malfunctions. Water Well sampling conducted indicated that 48% of the wells sampled were not acceptable for drinking. Of the wells tested, 48% exhibited total coliform, 30% exhibited fecal coliform, and 65% exhibited nitrate-nitrogen (reference Page III-6 of the Act 537 Plan). Thus, provision of a public sewage collection system and treatment plant would resolve the existing on-lot disposal problems. Environmental benefits						
PROJ	The proposed sanitary sewer collection system will consist of 12,814 lineal feet of 8" PVC SDR 35 , 847 lineal feet of 8" DIP Class 52, 901 feet of 8" PVC C-900, 1798 lineal feet of 6" PVC SDR 35, 360 lineal feet 6" PVC C-900, along with 64 precast concrete manholes. The proposed wastewater treatment plant will have an average daily flow capacity of 65,000 gallons per day along with 2,000 lineal feet of 10" PVC SDR 35 outfall line.						
Milford Twp. Sanitary Sewers & Pump RR 3, Box 675 Mifflintown, PA 17059		COUNTY: Juniata	I: \$0	IVA: \$2,110,000	PROJECT NO.: CS422363-02	PROJ. TYPE: SS PS	
		REGION: SC	II: \$0	IVB: \$0	PROJECT RATING: 39	PROJECT RANKING: 8 of 54	
		NPDES:	IIIA: \$0	V: \$0			
			III: \$0	ELIG: \$2,110,000			
PROB	Construction - 50 percent on-lot system failures and well contamination						
PROJ	Install 19.500 LF of gravity sewers, 1000 LF of force main and 2 pumping stations, conveyed to Twin Boro's WWTP						

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION
Bethel Township Municipal Authority P.O. Box 24 Bethel, PA 19507	COUNTY: Berks REGION: SC NPDES:	I: \$1,650,026 II: \$0 III: \$0 \$0	IVA: \$1,850,300 IVB: \$440,000 V: \$0 ELIG. \$3,940,326	PROJECT NO.: CS422645-01 PROJ. TYPE: STP PS INT SS PROJECT RATING: 38 PROJECT RANKING: 9 of 54			
PROB	This proposed sanitary sewer project will alleviate concerns regarding suspected and confirmed malfunctioning on-lot septic systems, future concerns regarding wastewater disposal and lack of replacement areas within the Villages of Frystown and Bethel. Furthermore the sewer collection, conveyance and Treatment Facilities constructed with this project will provide adequate means for Sewage Disposal needs of future developments in the community (residential & commercial) helping the economic sustainability of continued growth in the local community. Environmental benefits include improving the quality of local water						
PROJ	Construct a 205,000 gpd extended aeration WWTP, install 21,350 LF of sewer line, construct a 72,400 gpd extended aeration WWTP, install 10,100 LF of sewer						
Conemaugh Twp - Phase II - Benscreek Sanitary Sewers 1120 Tire Hill Road Johnstown, PA 15904	COUNTY: Somerset REGION: SW NPDES: PA0021811	I: \$652,000 II: \$0 III: \$0 \$0	IVA: \$7,901,500 IVB: \$7,901,500 V: \$0 ELIG. \$16,455,000	PROJECT NO.: CS422635-01 PROJ. TYPE: SS INT PS PROJECT RATING: 37 PROJECT RANKING: 10 of 54			
PROB	More stringent NPDES effluent discharge requirements have been imposed on the Authority's WWTF to reduce total nitrogen and total phosphorus loadings to the Chesapeake Bay. Environmental benefits include reducing the nutrient loading sent to the Chesapeake Bay.						
PROJ	Upgrade existing WWTF, permitted at 0.350 MGD, to meet BNR requirements for the Chesapeake Bay Watershed. Existing contact stabilization treatment process will be converted to a tertiary treatment process to meet the more stringent total nitrogen and total phosphorus effluent discharge limits.						
Derry Twp SSA - Maitland Area Sanitary Sewer Extension P.O. Box 445 Yeagertown, PA 17099	COUNTY: Mifflin REGION: SC NPDES:	I: \$700,000 II: \$0 III: \$0 \$0	IVA: \$3,859,623 IVB: \$2,500,000 V: \$0 ELIG. \$7,059,623	PROJECT NO.: CS422496-01 PROJ. TYPE: PS INT SS PROJECT RATING: 37 PROJECT RANKING: 11 of 54			
PROB	Malfunctioning on-lot / wildcat sewage disposal facilities. Environmental benefits include eliminating the discharge of untreated sewage to the Township's						
PROJ	The Authority is seeking funding to construct a new sanitary sewer extension for the Maitland Area of the Township.						

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Rostraver Twp SA - Rehoboth Valley Sewer Project 201 Port Royal Road Belle Vernon, PA 15012	COUNTY: Westmoreland	I:	\$0	IVA:	\$12,975,000	PROJECT NO.:	CS422651-01
	REGION: SW	II:	\$0	IVB:	\$5,530,000	PROJ. TYPE:	PS INT SS
	NPDES:	IIIA:	\$0	V:	\$0	PROJECT RATING:	35
			\$0	ELIG:	\$18,505,000	PROJECT RANKING:	12 of 54
PROB	Pricedale and Lynwood are served by wilcat sewers and the Township is under orders to correct the problem. Environmental benefits include reducing insufficiently treated sewage sent to the Township's waterways. Environmental benefits include improving the quality of local water sources.						
PROJ	Installation of 77,000 lf of 8 inch collection sewers, 15,000 lf of 15 inch diameter interceptor sewer, 2 pump stations, and 15,000 lf of 10 inch diameter force main.						
Port Clinton Boro- SS Collection & Conveyance to Hamburg WWTP via PS P. O. Box 246 Port Clinton, PA 19549	COUNTY: Schuylkill	I:	\$683,200	IVA:	\$1,454,500	PROJECT NO.:	CS422613-01
	REGION: NE	II:	\$0	IVB:	\$1,120,100	PROJ. TYPE:	PS FM SS
	NPDES:	IIIA:	\$0	V:	\$0	PROJECT RATING:	35
			\$0	ELIG:	\$3,257,800	PROJECT RANKING:	13 of 54
PROB	Port Clinton Borough uses on-lot sewage disposal systems, mostly pre-regulatory. Many of these systems are malfunctioning causing contaminated well water. Environmental benefits include reducing ground water contamination.						
PROJ	The Plan provides for construction of a sewage collection and conveyance sewer to serve 160 EDUs. The sewage will be treated at the Hamburg Municipal Authority's (HMA's) existing wastewater treatment plant before it discharges to Schuylkill River. At planning stage, engineer estimated the need of 7,400' for gravity sewer, 6,400' of LPSS and 41 GPs, and 45,000 GPD PS and 12,550' of FM.						

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APPLICANT INFORMATION		NEEDS CATEGORIES				PROJECT INFORMATION
Belle Vernon Municipal Authority - WWTP Expansion 10 Main Street Belle Vernon, PA 15012	COUNTY: Fayette	I: \$3,447,462	II: \$0	III: \$0	IV: \$0	PROJECT NO.: CS421502-03
	REGION: SW	IVB: \$0	V: \$0	ELIG: \$3,447,462		PROJ. TYPE: STPMOD
	NPDES: PA0020702					PROJECT RATING: 35
						PROJECT RANKING: 14 of 54
PROB	The existing sewage treatment plant for Belle Vernon services the boroughs of Belle Vernon and North Belle Vernon, due to the proposed construction in Washington Township the current plant will be undersized. This project will upgrade the existing plant to service all existing customers and proposed customers from Washington Township. This project will also upgrade the outdated facilities at the existing plant. Environmental benefits include eliminating the discharge of untreated sewage to the Authority's waterways.					
PROJ	The Belle Vernon STP is being expanded from .5 MGD to .95 MGD to accomodate flows from Washington Township.					
Washington Twp MA (Fayette Cty)- Sanitary Sewerage System 1390 Fayette Avenue Belle Vernon, PA 15012	COUNTY: Fayette	I: \$0	II: \$0	III: \$0	IV: \$12,144,500	PROJECT NO.: CS421502-02
	REGION: SW	IVB: \$4,275,000	V: \$0	ELIG: \$16,419,500		PROJ. TYPE: PS SS INT
	NPDES: PA0020702					PROJECT RATING: 35
						PROJECT RANKING: 15 of 54
PROB	Washington Township currently has no sanitary sewers. Malfunctioning on-lot systems exist; direct sewage discharges to abandoned coal mines and surface streams exist; raw sewage flowing in roadside ditches exist; odors and associated health hazards exist. This is a densely populated residential area where untreated or partially treated sewage represents a serious health threat to the citizens. Environmental benefits include eliminating direct sewage discharge.					
PROJ	The proposed project will consist of 149,000 lf of sanitary sewers ranging in size from 6" to 12" in diameter, 23,000 lf of force mains ,and 3 pump stations.The sewage will be pumped directly to the Belle Vernon STP for treatment.Belle Vernon has a separate PENNVEST application for the expansion of it's plant to accomodate the flows from Washington Township.					

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Union Twp - Elrama Sanitary Sewer Project 3904 Finley Elrama Road Finleyville, PA 15332	COUNTY: REGION: NPDES:	Washington SW	I: \$1,164,000 II: \$0 III: \$0 III A: \$0	IV: \$1,300,000 IVB: \$482,530 V: \$0 ELIG: \$2,946,530	PROJECT NO.: CS422176-02 PROJ. TYPE: PS INT SS PROJECT RATING: 34 PROJECT RANKING: 16 of 54			
PROB	There is currently no sanitary sewer system in this area. All septic systems drain to existing streets then to the Monongahela River. Environmental benefits include eliminating the discharge of untreated sewage to the Township's waterways during wet weather.							
PROJ	This is a construction project following a previously funded design project. The plan provides for construction of sanitary sewers to serve Elrama and portions of Finley-Elrama Road. The system will have approximately 240 EDUs. Wastewater will be conveyed through Jefferson Hills Borough interceptor to the West-Elizabeth Sewage Treatment Plant.							
Salem Twp P.O. Box 405 Berwick, PA 18603	COUNTY: REGION: NPDES:	Luzerne NE	I: \$0 II: \$0 III: \$0 III A: \$0	IV: \$9,315,522 IVB: \$0 V: \$0 ELIG: \$9,315,522	PROJECT NO.: CS422494-01 PROJ. TYPE: SS PROJECT RATING: 33 PROJECT RANKING: 17 of 54			
PROB	Malfunctioning on-lot systems. This project proposes to eliminate this problem thus reducing public exposure to raw sewage. Installation of a public sewage system will eliminate the critical environmental conditions caused by these malfunctioning onlot systems improving groundwater and surface water quality.							
PROJ	Install 80,000 LF of gravity sewer, 1,120 laterals, 20 grinder pumps, 2 pump stations, 260 manholes and 16,000 LF of force main conveyance system to existing Berwick Area JSA WWTP.							
Hazle Twp MA - Southside Area Sewer Project P.O. Box 502 Harleigh, PA 18222	COUNTY: REGION: NPDES:	Luzerne NE N/A	I: \$0 II: \$0 III: \$0 III A: \$0	IV: \$10,100,000 IVB: \$11,636,931 V: \$0 ELIG: \$21,736,931	PROJECT NO.: CS421731-01 PROJ. TYPE: PS, FM, SS, INT PROJECT RATING: 32 PROJECT RANKING: 18 of 54			
PROB	Currently the people use the on-lot sewage disposal systems. Most of the them are un-permitted. There is a combination of graywater discharges, wastewater discharges, bore holes, septic tanks, and holding tanks use. Environmental benefits include eliminating 200,00 GPD of wildcat sewer discharge to the waters of							
PROJ	The Plan calls for Hazle Township to construct new sewage collection and conveyance system. This includes installation of gravity collection sewers, sewage transmission mains, force mains, low pressure sewer mains and 9 pump stations.							

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Vestaburg - New Hill Joint Authority P.O. Box 189 Vestaburg, PA 15368	COUNTY: Washington REGION: SW NPDES: PA0024465	I: \$0 II: \$0 III: \$0 \$3,309,000	IV: \$0 IVB: \$0 V: \$0 ELIG. \$3,309,000	PROJECT NO.: CS422108-01 PROJ. TYPE: SSREH PROJECT RATING: 32 PROJECT RANKING: 19 of 54			
PROB	The sanitary sewerage system serving the villages is quite old and in poor condition, having been inherited as a part of the "company towns." These villages were once company housing provided by the owners of coal mines in the area. The existing system allows large quantities of I/I, which overloads the East Bethlehem Township Authority's sewage treatment plant and drives up the cost of treatment of sewage from the Vestaburg-New Hill Joint Authority. Environmental benefits include reducing insufficiently treated sewage sent to the Authorities' waterways.						
PROJ	The project consists of the complete replacement of the sanitary sewerage system in the Villages of Vestaburg and Mexico and includes the installation of approximately, 35,667 linear feet of 6" and 8" gravity sewers, 141 manholes, 298 service connections, and associated appurtenances and restoration.						
Portland Borough P.O. Box 476 Portland, PA 18351	COUNTY: Northampton REGION: NE NPDES:	I: \$0 II: \$0 III: \$0 \$0	IV: \$0 IVB: \$0 V: \$0 ELIG. \$0	PROJECT NO.: CS422484-01 PROJ. TYPE: STP PS INT SS PROJECT RATING: 31 PROJECT RANKING: 20 of 54			
PROB	Onlot systems representing 92 out of 274 EDUs were surveyed resulting in 52 of the EDU's confirmed as malfunctioning. Environmental benefits include reducing insufficiently treated sewage sent to the Borough's waterways.						
PROJ	Install a collection and conveyance system and a 0.105MGD WWTP servicing residential and industrial customers.						
Jim Thorpe Boro 421 North Street Jim Thorpe, PA 18229	COUNTY: Carbon REGION: NE NPDES:	I: \$0 II: \$0 III: \$0 \$0	IV: \$1,720,950 IVB: \$0 V: \$0 ELIG. \$1,720,950	PROJECT NO.: CS422657-01 PROJ. TYPE: SS PROJECT RATING: 29 PROJECT RANKING: 21 of 54			
PROB	This community has a 66% on-lot malfunction rate. Installation of a public sewage system will eliminate the critical environmental conditions caused by these malfunctioning onlot systems improving groundwater and surface water quality.						
PROJ	Install 3160 LF of gravity main and 3530 LF of force main. Connect interceptor to existing WWTP.						

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WAYNE TOWNSHIP MA 1418 Wampum Road, Rte. 288 Ellwood City, PA 16117	COUNTY: REGION: NPDES:	LAWRENCE NW N/A	I: II: III A:	\$0 \$0 \$0 \$0	IVA: IVB: V: ELIG.	\$5,509,601 \$0 \$0 \$5,509,601	PROJECT NO.: PROJ. TYPE: PROJECT RATING: PROJECT RANKING:	CS422653-01 SS, PS, FM 29 22 of 54
PROB	93 out of 151 onlots confirmed malfunctioning. Environmental benefits include reducing ground water contamination.							
PROJ	Construction of 50,335 lf of gravity sewers, 6050 lf of force main, and an upgrading of a pump station.							
New Buffalo Boro - Sanitary Sewer and WWTF Project P.O.BOX 245 NEW BUFFALO, PA 17069	COUNTY: REGION: NPDES:	PERRY SC	I: II: III A:	\$300,000 \$0 \$0 \$0	IVA: IVB: V: ELIG.	\$325,000 \$175,000 \$0 \$800,000	PROJECT NO.: PROJ. TYPE: PROJECT RATING: PROJECT RANKING:	CS422453-02 STP PS INT SS 29 23 of 54
PROB	The sewerage system for the Borough currently is individual septic systems. The needs analysis completed by the Borough confirms that more than half to these septic systems are malfunctioning. The lot sizes are too small to allow replacement systems to be installed that meet current standards. A study performed by Penn State indicates that wells in the Borough are contaminated with Campylobacter bacteria as a result of the malfunctioning septic systems. Environmental benefits include eliminating well water contamination.							
PROJ	Project includes approximately 4,500 feet of sewer lines, one pump station, a 20,000 GPD sequencing batch reactor sewage treatment facility, and an outfall structure to discharge to Buffalo Run approximately 400 feet from the Susquehanna River.							
Brokenstraw Vly Area Auth - Phase II P.O. Box 155 Youngsville, PA 16371	COUNTY: REGION: NPDES:	Warren NE	I: II: III A:	\$194,529 \$0 \$0 \$0	IVA: IVB: V: ELIG.	\$2,534,315 \$0 \$0 \$2,728,844	PROJECT NO.: PROJ. TYPE: PROJECT RATING: PROJECT RANKING:	CS422656-01 SS STPMOD 29 24 of 54
PROB	Existing malfunctioning onlot sewage disposal systems.							
PROJ	68,000 feet pressure sewer 200 connections 54 clean-outs 206 grinder pumps Phase I improvements							

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Jeannette City MA - Sewer System Rehabilitation and WWTP Improvements P.O. Box 294 City of Jeanette, PA 15675	COUNTY:	Westmoreland	I:	\$0	IVA:	\$0	PROJECT NO.: CS422547-02
	REGION:	SW	II:	\$0	IVB:	\$0	PROJ. TYPE:
	NPDES:		IIIA:	\$0	V:	\$0	PROJECT RATING: 29
				\$4,120,000	ELIG:	\$4,120,000	PROJECT RANKING: 25 of 54
PROB	The existing sewer system is experiencing surcharging conditions during extreme wet weather periods resulting in basement backups in various areas of the City and sanitary sewer overflows at the pump station. The sewer rehabilitation work is intended to reduce I/I and eliminate bottlenecks in the system. The WWTP improvements are intended to improve treatment efficiency, maximize flow to the WWTP and reduce pump station overflows. Construction of the project will benefit public health and the environment by eliminating sewage back-up into basements and reducing insufficiently treated sewage sent to the City's waterways.						
PROJ	Construction phase rehab (replacement, trenchless lining, spot repair) of approximately 30,000 lf of sanitary sewer ranging in size from 8-inch to 24-inch; manhole rehabilitation; replacement of sludge collection mechanisms of the three (3) primary clarifiers and two (2) secondary clarifiers; installation of a 2nd source of power for emergency operation at WWTP and pump station; and installation of effluent pumping during flood conditions						
Sharon City 155 W. Connelly Boulevard Sharon, PA 16146	COUNTY:	Mercer	I:	\$0	IVA:	\$0	PROJECT NO.: CS422131-01
	REGION:	NW	II:	\$21,658,898	IVB:	\$0	PROJ. TYPE: STPMOD INT
	NPDES:	N/A	IIIA:	\$0	V:	\$0	PROJECT RATING: 29
				\$3,406,384	ELIG:	\$25,065,282	PROJECT RANKING: 26 of 54
PROB	Sanitary sewer overflow resulting in hydraulic overload of bottlenecked WWTP; organic overload of the WWTP. Environmental benefits include reducing insufficiently treated sewage sent to the City's waterways.						
PROJ	Additional flow capacity will be added to the existing inverted siphon by adding an additional barrel. The intent of this additional capacity (0.53 MGD) is to significantly reduce or eliminate SSO's occurring at the upstream siphon chamber. Two parallel interceptors convey flow from the downstream siphon chamber to the WWTP. A new interceptor will replace the older of the two. The new interceptor will be specified to have additional capacity and less infiltration than the interceptor it will replace. The treatment process will be changed from conventional activated sludge to the trickling filter/solids contact process. The average daily flow capacity of the WWTP will be increased from 4.50 MGD to 8.66 MGD. The organic loading will be increased from an average of 7,256 lbs./day BOD to 14,445 lbs./day BOD. Ammonia reduction capacity will be increased from 751 lbs./day to 1,444 lbs./day.						

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APPLICANT INFORMATION		NEEDS CATEGORIES				PROJECT INFORMATION	
Coraopolis WSA 1012 Fifth Avenue Coraopolis, PA 15108	COUNTY: Allegheny REGION: SW NPDES:	I: II: IIIA:	\$0 \$0 \$0 \$0	IVA: IVB: V: ELIG.	\$0 \$0 \$1,523,600 \$1,523,600	PROJECT NO.: CS422530-01 PROJ. TYPE: SS PROJECT RATING: 28 PROJECT RANKING: 27 of 54	
PROB	I/I has caused overflowing through manhole covers and into basements of residences. The existing combined sewer CCTV inspection revealed that this line is collapsing. Sewer modifications will reduce wet weather flow to the combined sewer system and thus reduce the total volume of combined sewer overflows, which currently discharge through a permitted CSO. Primary health and environmental benefits relate to the elimination of the discharge of raw sewage through backflow into basements and through manhole lids affecting approximately 12 residences.						
PROJ	Approximately 3,800 feet of sanitary sewer will be installed, which includes replacement of existing sanitary sewers on Brook Street, Ridge Avenue, Vance Avenue, Alder Alley and Chestnut Street. Approximately 600 feet of new storm sewer will be installed on Alder Alley to reduce flow into the combined sewer system. New check valves will be installed at the Watt Street and Mulberry Street CSO Regulators.						
Ambridge Boro MA - WWTP Improvements Phase II 600 Eleventh Street Ambridge, PA 15003	COUNTY: Allegheny / REGION: SW NPDES:	I: II: IIIA:	\$0 \$0 \$0 \$0	IVA: IVB: V: ELIG.	\$0 \$1,355,000 \$0 \$1,355,000	PROJECT NO.: CS422623-01 PROJ. TYPE: PSMOD PROJECT RATING: 28 PROJECT RANKING: 28 of 54	
PROB	The Bank Street pump station can't handle the wet weather flows resulting in sanitary sewer overflows. Environmental benefits include improving the quality of a local Borough stream.						
PROJ	Pump station will be modified to increase its capacity from 540,000 gpd to 2.183 MGD, 1566 lf of existing 8- inch force main will be replaced with a 10-inch force						

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION
Portage Area SA - WWTP Improvements 606 Cambria Street Portage, PA 15946	COUNTY: Cambria REGION: SW NPDES:	I: \$9,500,000 II: \$0 III A: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG: \$9,500,000			PROJECT NO.: CS422577-01 PROJ. TYPE: STPMOD PROJECT RATING: 28 PROJECT RANKING: 29 of 54	
PROB	The Portage Area Sewer Authority's (PASA) wastewater treatment facility is hydraulically overloaded due to I/I. As a result, raw wastewater is bypassed through a Sanitary Sewer Overflow (SSO) during high flow events prior to treatment. The Pennsylvania Department Of Environmental Protection (PADEP) issued an Order to PASA to resolve this problem and eliminate bypasses at the wastewater treatment facility. Proposed improvements to the wastewater treatment facility will handle all flows, thus eliminating the SSO and bringing PASA in compliance with the PADEP Order. Environmental benefits include reducing insufficiently treated sewage sent to the Authority's waterways.						
PROJ	The proposed improvements will increase capacity of the wastewater treatment facility to 2.0 MGD dry weather flow and 6.0 MGD wet weather flow thus allowing all flows to be treated and eliminating the SSO and bring PASA into compliance with the PADEP Order. The design will also include Biological Nutrient Removal (BNR) so the facility will comply with future PADEP Regulations.						
Avalon Sanitary Sewer Deficiency 640 California Avenue Avalon, PA 15202	COUNTY: Allegheny REGION: SW NPDES:	I: \$0 II: \$0 III A: \$0 \$2,100,000	IVA: \$0 IVB: \$0 V: \$0 ELIG: \$2,100,000			PROJECT NO.: CS422646-01 PROJ. TYPE: SSREH PROJECT RATING: 28 PROJECT RANKING: 30 of 54	
PROB	Infiltration and inflow problems are causing downstream bypassing and basement flooding. Environmental benefits include eliminating basement flooding.						
PROJ	Rehabilitation of 200 manholes, 6000 lf of sewer lining, and 1700 lf of spot repairs.						

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Mount Pleasant Boro - Combined Sewer System Separation Project 653 Main Street Mr. Pleasant, PA 15666	COUNTY: Westmoreland	I:	\$0	IVA:	\$0	PROJECT NO.:	CS422564-01	
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	SS	
	NPDES:	IIIA:	\$0	V:	\$2,162,750	PROJECT RATING:	27	
			\$0	ELIG:	\$2,162,750	PROJECT RANKING:	31 of 54	
PROB	During precipitation events, the combined sewer system becomes overloaded with surface and subsurface water and causes an overflow of untreated, combined sewage into Waters of the Commonwealth at permitted CSO locations. The Mount Pleasant Municipal Authority desires to eliminate the permitted CSOs by installing a new sanitary sewer system and allowing the existing combined sewer system to function as separate storm water collection and conveyance facilities. The proposed project will eliminate at least two (2) permitted combined sewer overflows (CSO #011 and CSO #012), and eliminate periodic activity at the Quarry Street pump station (former CSO #010). CSO #007 and CSO #005 will be carefully monitored post-construction and permanently closed and eliminated if no activity is recorded during significant precipitation events. Environmental benefits include closing two permitted CSO points and reducing insufficiently treated							
PROJ	Construct approximately 11,740 L.F. of new 8" diameter sanitary sewer line, 130 L.F. of new 12" diameter sanitary sewer line, and 730 L.F. of new 24" diameter sanitary sewer line. The new sanitary sewers will be constructed along the same alignment as the existing combined sewer facilities. The existing combined sewer lines will remain in service as storm water collection and conveyance facilities. In addition, emergency generators will be installed at the Route 31 wastewater pumping station and the Quarry Street wastewater pumping station to provide service during periods of power failure and prevent the overflow of raw sewage into the environment. The 4" diameter cast iron force main serving the Route 31 pump station will be replaced with a new 4" diameter SDR-21 force main.							
EBENSBURG BOROUGH MA 300 WEST HIGH ST EBENSBURG, PA 15931	COUNTY: CAMBRIA	I:	\$4,100,000	IVA:	\$0	PROJECT NO.:	CS422658-01	
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	STPMOD	
	NPDES: N/A	IIIA:	\$0	V:	\$0	PROJECT RATING:	27	
			\$0	ELIG:	\$4,100,000	PROJECT RANKING:	32 of 54	
PROB	Hydraulic overloading at treatment facility. Environmental benefits include reducing insufficiently treated sewage sent to the Borough's waterways.							
PROJ	Expansion of existing STP from 1.25 mgd to 2.4 mgd.							

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Scottdale Boro - Combined Sewer System Separation Project 10 Mount Pleasant Road Scottdale, PA 16583	COUNTY: Westmoreland	I:	\$0	IVA:	\$0	PROJECT NO.:	CS422582-01	
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	CSO	
	NPDES:	IIIA:	\$0	V:	\$1,309,288	PROJECT RATING:	27	
			\$0	ELIG:	\$1,309,288	PROJECT RANKING:	33 of 54	
PROB	The Borough of Scottdale, along with the Westmoreland Fayette Municipal Sewage Authority, desires to mitigate and/or eliminate certain permitted CSOs by removing storm sewer inlets from the combined sewer system and continuing to enforce the resale dye testing ordinance. In addition the direct discharge of raw sewage into a storm sewer system will be eliminated through the installation of a new sanitary sewer system in the Arthur Avenue area. The proposed project will eliminate at least one (1) permitted combined sewer overflow (CSO # 011-Orchard Street) and significantly reduce the frequency and duration of overflows at four permitted CSOs (CSO #005; CSO #006; CSO #007, and CSO #008). These CSO's will be carefully monitored post-construction and permanently closed if no activity is recorded during significant precipitation events. Environmental benefits include reducing insufficiently treated sewage sent to the Borough's							
PROJ	The proposed Project consists of the installation of approximately 7,600 L.F. of storm sewer line ranging in size from 12" diameter to 30" diameter; 24 storm sewer inlets; approximately 1,900 L.F. of 10" diameter SDR-35 gravity sanitary sewer collection line; seven (7) sanitary manholes, one (1) cleanout; sixteen (16) sanitary sewer lateral reconnections; and related appurtenances and restoration.							
Philadelphia City - Real Time Control of SSOs in Tacony Creek Park 1101 Market Street, 4th Floor Philadelphia, PA 19107	COUNTY: Philadelphia	I:	\$0	IVA:	\$0	PROJECT NO.:	CS422574-01	
	REGION: SE	II:	\$0	IVB:	\$0	PROJ. TYPE:	CSO	
	NPDES:	IIIA:	\$0	V:	\$6,000,000	PROJECT RATING:	27	
			\$0	ELIG:	\$6,000,000	PROJECT RANKING:	34 of 54	
PROB	CSOs from under-utilization of in-system storage in the Rock Run Relief and T14 trunk sewer discharge to the Tacony Creek. Environmental benefits include reducing insufficiently treated sewage sent to the City's waterways.							
PROJ	Install an inflatable dam in the Rock Run Relief Sewer and a crest gate in the trunk sewer of regulating structure T14 ("I" St. and Ramona Ave.) The proposed site for installation of the Rock Run Relief inflatable dam is located in an 11-foot diameter section of the relief sewer providing approximately 2.3 million gallons of storage. Installation of a 15.0-foot crest gate is proposed in a 21.0 ft x 24.0 ft trunk sewer just upstream of the T14 chamber providing approximately 10.0 million gallons of storage. The inflatable dam at R15 will result in a reduction of roughly 20% in the average annual CSO volume cost-effectively (unit cost of \$0.14/gal versus \$6/gal for new storage). The gate installation at T14 will result in a reduction of roughly 30% in the average annual CSO volume cost-effectively (unit cost of \$0.03/gal versus \$6/gal for new storage).							

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Frankstown Township 1775 Frankstown Road Hollidaysburg, PA 16648	COUNTY: Blair REGION: SC NPDES:	I: II: III A:	\$0 \$0 \$0 \$0	IVA: IVB: V: ELIG.	\$3,200,000 \$0 \$0 \$3,200,000	PROJECT NO.: CS422602-01 PROJ. TYPE: PS SS PROJECT RATING: 26 PROJECT RANKING: 35 of 54		
PROB	Door to door survey conducted by the Township concluded that 32% of the on lot systems are confirmed malfunctions and 53% of the wells are contaminated. Environmental benefits include eliminating well water contamination.							
PROJ	Project consists of a gravity flow collection system flowing to a central pump station and conveyance via force main to an existing gravity collection main. Approximately 26,000 L.F. of sewer main and laterals, 5,600 L.F. of force main, a pump station, state highway and railroad boring and casing, river crossings and necessary appurtenances shall be installed. All wastewater from the project shall be conveyed to the Hollidaysburg Regional WWTP for treatment.							
Rush Twp (Centre Cty) - Loch Lomond, One Mile Run & Windy Hill Area P O Box 152 Philipsburg, PA 16866	COUNTY: Centre REGION: NC NPDES: PA0037966	I: II: III A:	\$0 \$0 \$0 \$0	IVA: IVB: V: ELIG.	\$1,572,880 \$310,120 \$0 \$1,883,000	PROJECT NO.: CS422636-01 PROJ. TYPE: SS INT PROJECT RATING: 26 PROJECT RANKING: 36 of 54		
PROB	Numerous malfunctioning on-lot septic systems were reported in the Act 537 Sewage Facilities Plan Update completed for the area in 2002. The implementation of this project will mitigate the environmental, public health and safety concerns associated with these malfunctioning septic systems.							
PROJ	Construct sewer extensions and replace faulty private and public sewer sections							
Johnsonburg MA - Wastewater System Upgrade Project Phase-1 520 Market Street STE A Johnsonburg, PA 15845	COUNTY: Elk REGION: NW NPDES:	I: II: III A:	\$0 \$0 \$0 \$2,406,000	IVA: IVB: V: ELIG.	\$0 \$0 \$0 \$2,406,000	PROJECT NO.: CS422649-01 PROJ. TYPE: SSREH PS PROJECT RATING: 26 PROJECT RANKING: 37 of 54		
PROB	The existing pump stations and sanitary sewer system have exceeded their useful life. The result is wet weather bypassing from undersized pumps. Environmental benefits include reducing insufficiently treated sewage sent to the Authority's waterways.							
PROJ	Phase 1 (Collection System Rehabilitation) will encompass the replacement of three existing pumping stations and approximately 10,750 linear feet (LF) of gravity							

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION
Saxton Borough P.O. Box 173 Saxton, PA 16678	COUNTY: Bedford REGION: SC NPDES:	I: II: IIIA:	\$0 \$0 \$0 \$0	IVA: IVB: V: ELIG.	\$0 \$0 \$0 \$0	PROJECT NO.: CS422625-01 PROJ. TYPE: PS INT SS STPMOD PROJECT RATING: 26 PROJECT RANKING: 38 of 54	
PROB	Seton Company, a leather manufacturing business, requested permission to discharge their wastewater to the Saxton Wastewater Treatment Facility. The current WWTF does not have the biological and hydraulic capacity to accept the new Seton discharge of 180,000 gpd; therefore, the Saxton Borough Municipal Authority needs to increase plant capacity. The Project also requires a pretreatment facility to treat the initial Seton industrial waste before discharge to the Saxton WWTF. The Seton Company expansion has the potential for creating 100 new jobs for the community. Environmental benefits include eliminating the potential of a hydrologically or organically overloaded WWTP.						
PROJ	The current WWTF is PADEP regulated at 0.4 million gallons per day with a 587 lbs/day BOD Loading. The upgrade project will increase the WWTF capacity to 0.6 million gallons per day with a 1251 lbs/day BOD loading capacity. The project will provide new process treatment units, air diffusion system, new digester units, new headworks building, chemical system, pumping stations, approximately 6500 feet of collection system piping, and a new industrial pretreatment facility.						
Norristown Municipal Waste Authority 235 East Airy Street, Second Floor Norristown, PA 19401	COUNTY: Montgomery REGION: SE NPDES:	I: II: IIIA:	\$0 \$0 \$0 \$3,000,000	IVA: IVB: V: ELIG.	\$0 \$0 \$3,345,348 \$6,345,348	PROJECT NO.: CS422604-01 PROJ. TYPE: SSREH PROJECT RATING: 26 PROJECT RANKING: 39 of 54	
PROB	The Authority's sanitary sewers consist of combined as well as separated sanitary sewers, many of which were constructed in the early 1900's. The sewers are subject to reoccurring surcharging, sewer overflows and blockages. Separating the combined sewer system will minimize these negative environmental impacts and provide a healthier environment for citizens. Streams and waterways will not be subject to sewer degradation and homeowners and other citizens will not be exposed to untreated wastewater.						
PROJ	The NMWA is proposing to install 6500 L.F. of 8" to 16" sanitary sewer main along Main/Mill/Green Street in order to separate the combined collection system. In addition, the NMWA is proposing to rehabilitate 9213 L.F. of 12" to 24" existing sanitary sewer along Markley and Harding Streets.						

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APPLICANT INFORMATION		NEEDS CATEGORIES				PROJECT INFORMATION	
Coolbaugh BNR Process Upgrade 5550 Memorial Blvd Tobyhanna, PA 18466	COUNTY: Monroe REGION: NE NPDES:	I: \$0 II: \$2,872,875 III: \$0 III A: \$0	IV: \$0 IVB: \$0 V: \$0 ELIG: \$2,872,875	PROJECT NO.: CS422529-01 PROJ. TYPE: STPMOD PROJECT RATING: 24 PROJECT RANKING: 40 of 54			
PROB	Currently the existing WWTP cannot meet the new discharge permit limits set by PADEP. Coolbaugh has agreed to a consent agreement which is under development by PADEP Wilkes-Barre's office. Environmental benefits include reduced algae formation promoting a healthy aquatic environment in the						
PROJ	Install a membrane bioreactor reducing the nitrogen and phosphorus to within or better than the PADEP NPDES limits.						
Elkland Borough 105 Parkhurst Street Elkland, PA 16920	COUNTY: Tioga REGION: NC NPDES:	I: \$0 II: \$4,646,215 III: \$0 III A: \$1,820,765	IV: \$0 IVB: \$0 V: \$0 ELIG: \$6,466,980	PROJECT NO.: CS422642-01 PROJ. TYPE: STPMOD PS INT PROJECT RATING: 23 PROJECT RANKING: 41 of 54			
PROB	I/I from an aged collection system coupled with undersized pump stations is causing bypassing to Camp Brook Creek. The WWTP does not meet Chesapeake Bay NRT requirements. Environmental benefits include improved water quality in several streams including Camp Brook Creek.						
PROJ	Upgrades to the treatment facility for BNR and to the pump station. Replacement of the influent force main and effluent discharge line.						

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APPLICANT INFORMATION			NEEDS CATEGORIES			PROJECT INFORMATION	
Mifflinburg Boro - WWTP BNR Upgrades 333 Chestnut Street Mifflinburg, PA 17844	COUNTY: Union REGION: NC NPDES:	I: \$0 II: \$8,053,179 III A: \$0 \$0	IVA: \$0 IVB: \$134,321 V: \$0 ELIG: \$8,187,500	PROJECT NO.: CS422562-01 PROJ. TYPE: STPMOD PROJECT RATING: 23 PROJECT RANKING: 42 of 54			
PROB	CSOs resulting from wet weather bypassing of collection system and WWTP, basement flooding during wet weather and a need to meet the anticipated BNR limits to be imposed by DEP. Construction of the project will benefit public health and the environment by eliminating sewage back-up into basements, reducing insufficiently treated sewage sent to the Authority's waterways and reduced algae formation promoting a healthy aquatic environment in the Chesapeake Bay.						
PROJ	The scope of the upgrades for the 1.4 MGD facility is as follows: Installation of Fine Screening/Grit Removal and Solids Handling at the Existing Headworks and Enclosure within a Masonry Building; Conversion of a portion of the existing Sequencing Batch Reactors to Flow Equalization Storage; Conversion of a portion of the existing Sequencing Batch Reactors to Membrane Bioreactor w/ integrated Biological Nutrient Removal; System Modification of Disinfection to include On-Site Sodium Hypochlorite Generation; Installation of Utility Water System and Sump; Installation of Chemical Precipitation System for Enhanced Total Phosphorus removal; Conversion of a portion of the existing Sequencing Batch Reactors to Aerobic Digesters; Conversion and Addition to Dewatering Building to include Operations Offices, Storage Space/Loading Dock, and Laboratory; Facilities Demolition of existing Control Building and Aerobic Digesters						
West Mahanoy Township (Phase 2) 190 Pennsylvania Ave Shenandoah, PA 17976	COUNTY: Schuylkill REGION: NE NPDES: PA0064998	I: \$1,700,000 II: \$0 III A: \$0 \$0	IVA: \$3,750,000 IVB: \$0 V: \$0 ELIG: \$5,450,000	PROJECT NO.: CS422633-01 PROJ. TYPE: SS PS PROJECT RATING: 22 PROJECT RANKING: 43 of 54			
PROB	To alleviate environmental problems caused by malfunctioning on-lot sewage disposal systems, wildcat sewers, and cesspools, a sanitary sewage collection, conveyance, and treatment system will be constructed. The project includes East William Penn, West William Penn, Store Patch, Lost Creek, & Lost Creek No. 2. Construction of the project will benefit the environment by eliminating sewage back-up into basements.						
PROJ	Construction of a 37,000 gallon per day wastewater treatment plant, approximately six miles of new gravity sanitary sewers and one mile of low pressure sewers.						

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Upper Yoder Township Authority 302 Elim Street Johnstown, PA 15905	COUNTY: Cambria REGION: SW NPDES:	I: II: III A:	\$0 \$0 \$0 \$0	IVA: IVB: V: ELIG.	\$0 \$2,000,000 \$0 \$2,000,000	PROJECT NO.: CS422641-01 PROJ. TYPE: SSREH PROJECT RATING: 22 PROJECT RANKING: 44 of 54		
PROB	The selected alternative called for 36,200' of cured-in-place lining for the selected sewer sections, cured-in-place manhole chimney liner for 120 manholes with brick risers, and the rehabilitation of the lateral connections to the rehabilitated sewer mains, and the purchase of the portable flow monitoring equipments to perform post-construction monitoring.							
PROJ	Project will consist of the rehabilitation of 23,500 lf of sewer. Rehabilitation will consist of lining, pipe bursting and spot replacement.							
Towanda MA - WWTP Rehabilitation Project P.O. Box 229, 724 Main Street Towanda, PA 18848	COUNTY: Bradford REGION: NC NPDES:	I: II: III A:	\$1,065,000 \$2,000,000 \$0 \$0	IVA: IVB: V: ELIG.	\$0 \$0 \$0 \$3,065,000	PROJECT NO.: CS422586-01 PROJ. TYPE: STPMOD PROJECT RATING: 22 PROJECT RANKING: 45 of 54		
PROB	Primary system deficiencies include headworks mechanics; aeration tank short circuiting; potential for chlorine gas leaks\exposure; vacuum assisted drying beds frequently need repaired and are an ongoing maintenance problem; the plant must meet the standard for biological nutrient reduction and currently the plant is not designed to do so; and Authority desires to produce Class A biosolids to eliminate the need for costly sludge disposal. Environmental benefits include reduced algae formation promoting a healthy aquatic environment in the Chesapeake Bay.							
PROJ	The proposed upgrades include: 1) rehabilitation of the existing headworks by providing a new mechanical fine screen and upgrading the grit removal system; 2) replacement of the existing chlorine gas disinfection system with UV disinfection; 3) the addition of an Autothermal Thermophilic Aerobic Digestion (ATAD) unit to convert the sludge generated by the plant to a Class A Biosolid; 4) the construction of a new sludge thickener; 5) the replacement of the existing sludge drying beds with a centrifuge; 6) the addition of an odor control system; 7) the addition of a septage receiving station; 8) the conversion of the existing treatment units to achieve biological nutrient reduction of nitrogen and chemical precipitation of phosphorus; 8) additional emergency generation and; 9) other miscellaneous upgrades to complete the plant upgrade project.							

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Kreamer MA - WWTP Replacement 305 Old 522 Middleburg, PA 17842	COUNTY: Snyder REGION: NC NPDES:	I: \$1,520,000 II: \$0 III: \$0 \$0	IVA: \$875,000 IVB: \$0 V: \$0 ELIG. \$2,395,000	PROJECT NO.: CS422650-01 PROJ. TYPE: STP SS PROJECT RATING: 22 PROJECT RANKING: 46 of 54				
PROB	Structural integrity of the facility is requiring it to be replaced. The facility is also currently in organic overload and facing projected hydraulic overload.							
PROJ	Approximately 4,000 feet of force main and 700 feet of gravity sewer will be installed to serve Apex Homes. The WWTP will be replaced with a facility to treat 165,000 gpd.							
SCRANTON SA 307 NORTH WASHINGTON AVE. SCRANTON, PA 18503	COUNTY: LACKAWANNA REGION: NE NPDES:	I: \$9,406,000 II: \$0 III: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$9,406,000	PROJECT NO.: CS422432-01 PROJ. TYPE: STPMOD PROJECT RATING: 20 PROJECT RANKING: 47 of 54				
PROB	The existing WWTP has deteriorated reducing reliability and presenting a safety hazard. Failure of the worn, outdated electrical systems and other critical treatment equipment being replaced as part of this project would result in discharge to the Lackawanna River of some or all of the average 14 million gallons per day of sewage currently treated at the plant. Environmental benefits include eliminating/reducing CSO discharge of untreated sewage to the Authority's							
PROJ	Modify the WWTP for Compliance with the Administrative Order between the Scranton Sewer Authority and the Environmental Protection Agency.							
Cambria Twp SA - Mylo Park Sanitary 184 Municipal Road, P.O. Box 247 Revloc, PA 15948	COUNTY: Cambria REGION: SW NPDES:	I: \$0 II: \$0 III: \$0 \$1,300,000	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$1,300,000	PROJECT NO.: CS422524-01 PROJ. TYPE: SSREH PROJECT RATING: 17 PROJECT RANKING: 48 of 54				
PROB	The Revloc WWTP and pump stations are hydraulically overloaded. I/I has caused two pump stations to overflow to a stream. The Cambria Township Sewer Authority (CTSA) is under order from the PADEP to remove the Mylo Park SSO no later than 2009. The CTSA is currently under a Corrective Action Plan (CAP) to address the WWTP and pump stations hydraulic overloaded conditions. The project will result in eliminating the Mylo Park CSO/SSO. Environmental benefits include reducing insufficiently treated sewage sent to the Township's waterways.							
PROJ	Two pump station force mains will be replaced with larger diameter force mains that will increase the capacity of the existing pumping systems. The Revloc WWTP will be re-rated from 0.4 MGD to 0.5 MGD with minor hydraulic modifications to the plant to eliminate the hydraulic overloaded condition at the Revloc WWTP. Install approximately 7,366 l.f. of 8 inch PVC sewer, 1,570 l.f. of 6 inch PVC lateral, and replace force main at the Revloc WWTP.							

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Mt Carmel MA - CSO Separation Phase II 121 South Oak Street Mt. Carmel, PA 17851	COUNTY: REGION: NPDES:	Northumberland NC	I: II: III A:	\$0 \$0 \$0	IVA: IVB: V: ELIG.	\$0 \$1,752,238 \$2,978,805 \$4,731,043	PROJECT NO.: PROJ. TYPE: PROJECT RATING: PROJECT RANKING:	CS422631-01 INT CSO 16 49 of 54
PROB	The current sanitary sewer collection and conveyance system is a combined system with permitted overflows to the Shamokin and Butterut Creek. Both creeks are subject to receiving raw sewage and floatable trash during storm events. Environmental benefits include eliminating the discharge of untreated or insufficiently treated sewage to the Authority's waterways during wet weather.							
PROJ	This project will replace existing interceptor sewer with a larger interceptor sewer and eliminate the remaining combined sewer overflows into Shamokin Creek. In addition, a new storwater pipe within a portion of Mount Carmel Borough will provide separation of the sanitary sewer system within the Borough.							
Chadds Ford Twp Ring Road Chadds Ford, PA 19317	COUNTY: REGION: NPDES:	Delaware SE	I: II: III A:	\$0 \$0 \$0	IVA: IVB: V: ELIG.	\$1,400,000 \$0 \$0 \$1,400,000	PROJECT NO.: PROJ. TYPE: PROJECT RATING: PROJECT RANKING:	CS422634-01 SS 16 50 of 54
PROB	The project will eliminate the use of failed on-lot septic systems. Environmental benefits include eliminating the discharge of untreated sewage to the Borough's waterways during wet weather.							
PROJ	The Pennvest Funded project will finance the construction of the collection system to serve the Village of Chadds Ford. The project also entails the construction of a low pressure force main (13,760 LF including the collection system) from the Village to the newly constructed 140,000 gpd STP.							

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
 CLEAN WATER STATE REVOLVING FUND
 FY 2008 AND FY 2009 PROJECT PRIORITY LIST**

APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION
Lansford Boro - Phase IV Storm Sewer Separation -CSO Project P.O. Box 126 Lansford, PA 18232	COUNTY: Carbon REGION: NE NPDES:	I: II: IIIA:	\$0 \$0 \$0	IVA: IVB: V: ELIG.	\$0 \$0 \$2,936,000 \$2,936,000	PROJECT NO.: CS422654-01 PROJ. TYPE: SS INT PROJECT RATING: 14 PROJECT RANKING: 51 of 54	
PROB	Excessive stormwater from combined sewer outfalls CSO-1 and CSO-4 flow into Panther Creek. For a one-year storm event, this could result in removing approximately 112 cfs (rate of 72 mgd) from CSO-1 and approximately 51 cfs (rate of 33 mgd) from CSO-4. The reduced number of overflow events and flow will lessen the impact on the existing wastewater treatment facility which currently is hydraulically overloaded during wet weather. Additionally, this project will have health benefits. By eliminating existing catch basins that presently are connected to the sewer system odor problems will be reduced as well as vector access from the catch basins. Environmental benefits include reducing insufficiently treated sewage sent to the Borough's waterways.						
PROJ	The existing Lansford sewer system is a combined sewer system with six combined sewer outfalls (CSO). The purpose of this project is to remove as much stormwater as feasible from the CSO system to reduce the number of overflow events and magnitude of overflow into Panther Creek from CSO-1 and CSO-4. To achieve this goal, the Borough is proposing to construct separate stormwater collection and conveyance systems: one down Tunnel St. and the second down Walnut St. consisting generally of 150 ft. 3'X 5' box culvert, 400 ft. of 42" diameter pipe, 2150 ft. of 36" pipe, 790 ft of 30" pipe, 350 ft of 24" pipe, 3000 ft of 18" pipe, 60 inlets, 33 manholes, 2 state highway crossings, 2 railroad crossings, 2 stream outfalls, miscellaneous utility relocations, associated trench restoration and 800 ft of low flow channel construction in the Patterson Street stone culvert to convey reduced sewage flow.						
Cochranton Boro - Sewage Facilities Project 109 East Adams Street, P.O. Box 66 Cochranton, PA 16314	COUNTY: Crawford REGION: NW NPDES:	I: II: IIIA:	\$0 \$2,090,000 \$0	IVA: IVB: V: ELIG.	\$6,400,000 \$0 \$0 \$8,490,000	PROJECT NO.: CS422648-01 PROJ. TYPE: STP PS SS PROJECT RATING: 13 PROJECT RANKING: 52 of 54	
PROB	Malfunctioning onlot systems including cesspools were identified during the Act 537 Planning process (surveyed 38% of 215 onlot systems).						
PROJ	The project proposes construction of approximately 49,000 linear feet of gravity sewer, 4 sewage lift stations, 4700 linear feet of lift station forcemain, 4700 linear feet of low pressure sewer, and a 175,000 gallon per day sewage treatment facility. Design project previously funded for this construction project.						

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
 CLEAN WATER STATE REVOLVING FUND
 FY 2008 AND FY 2009 PROJECT PRIORITY LIST**

APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION
West cornwall Twp MA - Mine Road Sanitary Sewer System 73 South Zinns Mill Road Lebanon, PA 17042	COUNTY: Lebanon		I: \$0	IVA: \$1,644,021			PROJECT NO.: CS422632-01
	REGION: SC		II: \$0	IVB: \$0			PROJ. TYPE: SS PS
	NPDES:		IIIA: \$0	V: \$0			PROJECT RATING: 13
				ELIG. \$1,644,021			PROJECT RANKING: 53 of 54
PROB	Inadequate septic drain fields have been causing many residences of the community malfunctioning onlot disposal systems. Environmental benefits include eliminating well water contamination.						
PROJ	Install about 11,000 LF of gravity sewer, 3800 LF of force main.						
Saint Clair Sewer Authority - WWTF Improvements Project 16 South Third Street Saint Clair, PA 17970	COUNTY: Schuylkill		I: \$2,600,000	IVA: \$0			PROJECT NO.: CS422652-01
	REGION: NE		II: \$0	IVB: \$0			PROJ. TYPE: STPMOD
	NPDES:		IIIA: \$0	V: \$0			PROJECT RATING: 10
				ELIG. \$2,600,000			PROJECT RANKING: 54 of 54
PROB	The 30 year old facility needs upgraded. Wet weather bypassing is occurring. Environmental benefits include reducing insufficiently treated sewage sent to the Authority's waterways.						
PROJ	Specific items to be addressed through this project include upgrades to the headworks equipment and operations, replacement of the raw sewage pumps, aeration tank blower, waste activated sludge pumps, and primary sludge pumps. Also included is the project is the addition of sludge transfer pumps, a rotary press and sludge dryer, and replacement of the motor control center and utility water pumps.						