

PENNSYLVANIA 42
(STATE) (NUMBER)

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
RECOVERY 2009 – WASTEWATER PROJECT PRIORITY LIST
MARCH 14, 2009**

EXPLANATION OF HEADINGS (EXCEPT THOSE THAT ARE SELF-EXPLANATORY)

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
- SS REH - SEWER SYSTEM REHABILITATION

NPDES PERMIT NUMBER:

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT NUMBER

PROJECT NUMBER:

FEDERAL LOAN PROJECT IDENTIFICATION NUMBER

ELIG. COST:

ESTIMATED LOAN AMOUNT FOR ELIGIBLE PROJECT

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APPLICANT INFORMATION		NEEDS			PROJECT	
South Creek Twp - WW Collection and Treatment Facilities - Construction P.O. Box 60 Gillett, PA 16925	COUNTY: Bradford REGION: NC NPDES:	I: \$1,786,244 II: \$325,950 III: \$0 \$0	IVA: \$2,315,616 IVB: \$0 V: \$0 ELIG. \$4,427,810	PROJECT NO.: CS422751-01 PROJ. TYPE: STP SS PROJECT RATING: 58 PROJECT RANKING: 1 of 98		
PROB	Environmental Protection (DEP) in June 2000 and later by Bradford County Sanitation Facilities in May 2008. The survey evaluated the functionality of existing on-lot sewage disposal systems. Survey results found that 40% of Fassett's on-lot systems and 7% of Gillett's systems were confirmed malfunctions. Further evidence of malfunctioning systems was identified by water sampling in which 51.6% and 35.0% of the well water samples tested in the Villages of Gillett and Fassett, respectively were contaminated with total coliform of which 50% and 28% respectively were contaminated with fecal coliform.					
PROJ	The proposed project will consist of a centralized wastewater system in Fassett and three (3) small flow treatment facilities (SFTFs) in Gillett. The centralized system will include construction of a 25,000 gpd treatment plant, approximately 14,000 LF of 1.5" to 4" low pressure sewer mains, 9300 LF of 1.5" low pressure laterals and 72 grinder pumps. The SFTFs will range in size from 400 gpd to 2000 gpd and include a septic tank, pump chamber, subsurface sand filter, chlorination and dechlorination systems and a discharge.					
POPULATION	219					
Lower Milford Twp - Limeport Sewerage Project 7607 Chestnut Hill Church Road Coopersburg, PA 18036	COUNTY: Lehigh REGION: NE NPDES:	I: \$850,000 II: \$100,000 III: \$0 \$0	IVA: \$919,240 IVB: \$0 V: \$0 ELIG. \$1,869,240	PROJECT NO.: CS422730-01 PROJ. TYPE: STP FM PROJECT RATING: 50 PROJECT RANKING: 2 of 98		
PROB	A study prepared by PaDEP indicated that out of 50 on-lot structures investigated there were 15 confirmed sewage disposal problems. These problems will be solved by sewerage the Village as described in the PaDEP approved report entitled " Sewage Facilities Planning Act 537 Update for Lower Milford Township, Lehigh County, PA" dated 2/14/2008.					
PROJ	The proposed project consists of approximately 6300' of 1.25" to 4" diameter low pressure sewer mains, 51 individual grinder pumps, 3500' of 1.25" grinder pump laterals (pipe between grinder pump and low pressure sewer mains) and a 35,000 gallon per day (gpd) recirculating sand filter wastewater treatment plant for biological wastewater treatment and chemical addition of alum or ferric chloride for phosphorous removal.					
POPULATION	150					

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East Penn Twp (Carbon Cty) - Sanitary 167 Municipal Road Lehighton, PA 18235	COUNTY: Carbon REGION: NE NPDES:	I: \$0 II: \$0 III: \$0 III A: \$0	IV: \$3,809,800 IVB: \$0 V: \$0 ELIG: \$3,809,800	PROJECT NO.: CS422801-01 PROJ. TYPE: SS PS PROJECT RATING: 47 PROJECT RANKING: 3 of 98			
PROB	The Township is under Consent Order from the Department of Environmental Protection to construct a public sanitary sewer system to serve the indicated portion of the Township due to an extensive amount of documented malfunctioning on-lot systems, wildcat sewers, and surface discharges.						
PROJ	The proposed collection system will include approximately 8963 linear feet of gravity sewer, 1625 linear feet of 2.5" force main. A proposed pump station and 1103 linear feet of 4" force main will convey wastewater to the Borough of Bowmanstown Wastewater Treatment Plant.						
POPULATION	230						
Clairton City- Pump Station and Sewer Line Project 551 Ravensburg Boulevard Clairton, PA 15025	COUNTY: Allegheny REGION: SW NPDES:	I: \$0 II: \$0 III: \$0 III A: \$2,089,100	IV: \$0 IVB: \$0 V: \$0 ELIG: \$2,089,100	PROJECT NO.: CS422776-01 PROJ. TYPE: PS SS PROJECT RATING: 43 PROJECT RANKING: 4 of 98			
PROB	The existing sewer system bypasses untreated sewage in wet weather and in dry weather.						
PROJ	Replace 2500 lineal feet of crushed sewer and upgrade and expand the Wilson lift station from 375,000 gallons/day to 552,000 gallons/day.						
POPULATION	8900						

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APPLICANT INFORMATION		NEEDS				PROJECT
Butler Twp - Hashagen Extension and Upper Lehigh Interconnect 415 West Butler Drive Drums, PA 18222	COUNTY: Luzerne REGION: NE NPDES:	I: \$0 II: \$0 III: \$0 III A: \$0	IV: \$406,260 IVB: \$0 V: \$0 ELIG: \$406,260		PROJECT NO.: CS422814-01 PROJ. TYPE: SS PROJECT RATING: 40 PROJECT RANKING: 5 of 98	
PROB	The Hashagen homes to be connected to the public sewage system have failing on-lot septic systems. Also, the holding tanks in Upper Lehigh were a temporary solution to the wildcat sewers in this area until the neighboring sewer system was constructed.					
PROJ	There are 34 EDU's located in the Village of Upper Lehigh producing approximately 8,500 gpd and currently held in two (2) 15,000 gallon holding tanks, equivalent to approximately three (3) days storage capacity. The tanks are pumped as needed by the Township. Connection to the Foster Township sewer system can now be completed and ultimate disposal will be to the existing Freeland treatment plant. The Hashagen Estates extension will serve 6 homes near the intersection of Hashagen Road (T-410) and Butler Drive.					
POPULATION	140					
New Berlin MA - Renovations and Expansion of the Wastewater Treatment 710 Water Street P.O. Box 473 New Berlin, PA 17855	COUNTY: Union REGION: NC NPDES:	I: \$4,662,160 II: \$0 III: \$0 III A: \$0	IV: \$1,165,540 IVB: \$0 V: \$0 ELIG: \$5,827,700		PROJECT NO.: CS422754-01 PROJ. TYPE: STP SS PROJECT RATING: 39 PROJECT RANKING: 6 of 98	
PROB	For the years 2001 through 2007 the NBMA STP has been in a state of hydraulic and/or organic overload. As a result, the NBMA is subject to the corrective action plan requirements under a Consent Order and Agreement with DEP.					
PROJ	The proposed project includes the construction of approximately 7,000 feet of new sewage collection lines and pump staion within Limestone Township to serve 34 additional homes. The proposed expanded treatment facility will have a capacity of 0.23 MGD which will provide capacity to the existing customers and permit growth in the two communities.					
POPULATION	995					

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Port Matilda Boro Auth - SR 220 Sewer Line Extension P.O. Box 519 Port Matilda, PA 16870	COUNTY: Centre REGION: NC NPDES:	I: II: III A:	\$0 \$0 \$0	IVA: \$1,172,085 IVB: \$0 V: \$0 ELIG. \$1,172,085	PROJECT NO.: CS422753-01 PROJ. TYPE: SS PROJECT RATING: 39 PROJECT RANKING: 7 of 98	
PROB	Public health is currently at risk; sanitary surveys of the project area were conducted in 2004 and 2008. Results of the surveys indicate that approximately 56% of the on-lot septic systems are malfunctioning, leaching untreated wastewater onto the ground surface and into waters of the Commonwealth. Properties in the project area are served by individual wells and are likely contaminated by the untreated wastewater.					
PROJ	The proposed project will extend low pressure sewer mains east of the plant approximately 11,000 LF along SR 220. These mains will range in size from 1 ½ to 3 inches in diameter. Wastewater service will be provided to thirty-nine (39) EDUs located along the state route through the use of approximately twenty-four (24) grinder pump units. These pumps will convey the wastewater to the PMBA facility for treatment.					
POPULATION	46					
South Annville Twp Auth - Sewer Collection System 829 South Spruce Street Annville, PA 17003	COUNTY: Lebanon REGION: SC NPDES:	I: II: III A:	\$0 \$0 \$0	IVA: \$5,123,745 IVB: \$0 V: \$0 ELIG. \$5,123,745	PROJECT NO.: CS422734-01 PROJ. TYPE: SS PROJECT RATING: 39 PROJECT RANKING: 8 of 98	
PROB	Malfunctioning on-lot systems					
PROJ	This project includes the installation of approximately 32,330 feet of 8" gravity collection sewers, 128 manholes and 253 service laterals, including all applicable street, lawn and field restoration.					
POPULATION	284					

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Bedford Twp MA - Area 3 Sanitary Sewer Extension P.O. Box 371 Bedford, PA 15522	COUNTY: Bedford REGION: SC NPDES:	I: II: IIIA:	\$0 \$0 \$0	IVA: IVB: V: ELIG.	\$2,950,000 \$0 \$0 \$2,950,000	PROJECT NO.:	CS422746-01	PROJ. TYPE: PS SS PROJECT RATING: 38 PROJECT RANKING: 9 of 98
PROB	Malfunctioning on-lot sewage disposal systems.							
PROJ	Installation of approximately 19,800 L.F. of gravity sewer lines and related appurtenances.							
POPULATION	588							
Washington Twp MA (Westmoreland Cty) - Pine Run Sewer Project 283 Pine Run Church Road Apollo, PA 15613	COUNTY: Westmoreland REGION: SW NPDES:	I: II: IIIA:	\$0 \$0 \$0	IVA: IVB: V: ELIG.	\$4,312,550 \$1,080,000 \$0 \$5,392,550	PROJECT NO.:	CS422761-01	PROJ. TYPE: SS INT PROJECT RATING: 38 PROJECT RANKING: 10 of 98
PROB	surveys have determined that on-lot septic malfunctions exceed 68% within the project area. Also, 18 homes have been identified as having illegal "wildcat" sewer discharges. In addition, the following three (3) privately owned STP's shall be eliminated once the project is completed: North Washington Elementary School (10 EDU's) Northgate Apartments (24 EDU's) Meadows Mobile Home Park (117 EDU's)							
PROJ	The project involves the installation of 16,700 lf of 8 inch gravity collector sewers and 12,100 lf of 15 inch gravity interceptor sewers.Sewage will be conveyed for treatment at the Kiski Valley Water Pollution Control Authority STP.							
POPULATION	1100							

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Greensboro Monongahela Twp JSA - Cabbage Flats/Mapletown SS & WWTP Upgrade P.O. Box 342 Greensboro, PA 15338	COUNTY: Greene	I: \$780,000	II: \$0	III: \$0	IV: \$3,863,583	PROJECT NO.: CS422771-01
	REGION: SW	IVB: \$1,362,600	V: \$0	ELIG: \$6,006,183	PROJ. TYPE: STPMOD PS INT	PROJECT RATING: 38
	NPDES:				PROJECT RANKING: 11 of 98	
PROB	The Cabbage Flats area of Monongahela Township is currently served by on-lot systems and a survey of the existing 210 homes identified a 56%					
PROJ	Installation of 31,700 linear feet of gravity sewers, 3 pump stations, 11,140 feet of force main to serve Cabbage Flats. Sewage will be conveyed to the Authority's plant which will be expanded from 110,000 gallons per day to 165,000 gpd.					
POPULATION	1188					
Lewis Twp Wastewater Project 1428 Rovendale Drive Watsonstown, PA 17777	COUNTY: Northumberland	I: \$2,439,625	II: \$0	III: \$0	IV: \$3,096,000	PROJECT NO.: CS422755-01
	REGION: NC	IVB: \$0	V: \$0	ELIG: \$5,535,625	PROJ. TYPE: STP PS INT SS	PROJECT RATING: 38
	NPDES:				PROJECT RANKING: 12 of 98	
PROB	This has been a known malfunction area that has caused numerous health and safety problems in respect to private wells and untreated sewage on					
PROJ	The project will upgrade the existing Warrior Run School District treatment facility and construct a collection system for Lewis Township to serve areas A, B, and C. Area D will be served by a small flow system.					
POPULATION	354					

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Eldred Twp (McKean Cty) - Wastewater Collection Project 1834 West Eldred Road Eldred, PA 16731	COUNTY: McKean REGION: NW NPDES:	I: \$191,501 II: \$0 III A: \$0 \$0	IVA: \$1,328,499 IVB: \$0 V: \$0 ELIG. \$1,520,000	PROJECT NO.: CS422787-01 PROJ. TYPE: SS PROJECT RATING: 37 PROJECT RANKING: 13 of 98			
PROB	84 malfunctioning on-lot sewage systems						
PROJ	Construction of small diameter low pressure sewers to serve 84 existing EDUs along State Rt 346, and Windfall, Smith, and Loop Rds. Wastewater will be conveyed to the Otto Twp WWTP for treatment.						
POPULATION	215						
Independence-Cross Creek Jt. Sewer Authority - Sanitary Sewer System 346 Washington Pike Avella, PA 15312	COUNTY: Washington REGION: SW NPDES:	I: \$5,275,000 II: \$0 III A: \$0 \$0	IVA: \$9,230,000 IVB: \$1,614,000 V: \$0 ELIG. \$16,119,000	PROJECT NO.: CS422770-01 PROJ. TYPE: STP PS INT SS PROJECT RATING: 35 PROJECT RANKING: 14 of 98			
PROB	The area is served by "wildcat" sewers, small community sewer systems with direct discharges, and malfunctioning on-lot systems. Untreated or partially treated sewage runs in roadside ditches and is collected by inlets and piped to points of direct discharge to streams. The majority of on-lot systems (72% by survey) are malfunctioning. Two small wastewater treatment facilities will be abandoned and those areas will receive service from the proposed project. These existing plants are the P&W Patch Sewage Treatment Plant (STP) and the Narquini Sewage Treatment Plant. The P&W Patch STP is owned and operated by the borrower and serves 51 customers through approximately 5,000 linear feet of gravity sewers. The Narquini STP is privately-owned and operated and serves the Narquini Mini-Mart. These facilities have incurred violations involving suspended solids, ammonia nitrogen and fecal coliform effluent limitations. A community septic system located in the Avella Heights area is discharging sewage into an unnamed tributary of Cross Creek. It neither has a method of sewage treatment nor an NPDES permit to discharge and appears to serve approximately 30 homes in Avella Heights. It is a major, if not the most significant, single source of pollution in both townships. Sanitary sewage discharges are connected directly to the storm sewer						
PROJ	CONSTRUCTIN OF A 236,000 GPD STP, PUMP STATION, AND 90,000 LF OF GRAVITY SEWERS						
POPULATION	1600						

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APPLICANT INFORMATION		NEEDS			PROJECT	
East Franklin Twp - Sanitary Sewerage System 106 Cherry Orchard Avenue Kittanning, PA 16201	COUNTY: Armstrong REGION: SW NPDES:	I: \$2,656,800 II: \$0 III: \$0 IV: \$0	IVA: \$5,400,000 IVB: \$2,478,200 V: \$0 ELIG. \$10,535,000	PROJECT NO.: CS422773-01 PROJ. TYPE: 3-STP 4-PS INT SS PROJECT RATING: 35 PROJECT RANKING: 15 of 98		
PROB	The homes and businesses in the service area discharge untreated sewage to wildcat sewers and roadside ditches. In the villages of Adrian and Tarrtown, sanitary sewage is collected into a few major wildcat sewers which discharge directly to the streams. In Cowansville, there is one major wildcat sewer and many smaller direct discharges from the homes. Over the project area, an estimated 50% of structures discharge to wildcat sewers and the remainder either discharge untreated sewage directly to the streams or are served by malfunctioning on-lot systems which are discharging to roadside ditches.					
PROJ	CONSTRUCTION OF 3 STPS , 4 PUMP STATIONS, AND 33,800 LF OF SEWERS TO SERVE 3 AREAS OF EAST FRANKLIN TWP					
POPULATION	0					
Plymouth Twp - Sanitary Sewer Project 952 West Main Street Plymouth, PA 18651	COUNTY: Luzerne REGION: NE NPDES:	I: \$0 II: \$0 III: \$0 IV: \$594,880	IVA: \$7,510,043 IVB: \$339,077 V: \$0 ELIG. \$8,444,000	PROJECT NO.: CS422727-01 PROJ. TYPE: SS PS INT PROJECT RATING: 35 PROJECT RANKING: 16 of 98		
PROB	Existing on-lot failing sewage systems causing pollution of groundwater and surface waters and posing significant health hazard. Approximately 40% of the existing on-lot systems that were inspected were determined to be failing and this project will connect these systems to a central sewage disposal system that will utilize the Wyoming Valley Sewer Authority for treatment.					
PROJ	This project will utilize primarily new gravity sewer lines to convey sewage from existing homes to the existing conveyance systems already in place. This project includes approximately 24,000 linear feet of gravity sewer, 14,000 feet of force main, approximately 180 manholes (including drop manholes, force main manholes, and cleanouts), 6 grinder pumps, and three pumping stations (1-40 EDU, 1 - 60 EDU, and 1 - 220 EDU), with associated street restoration. The project will also include repairs to the existing 3,000 feet of gravity sewers located in the West Nanticoke area.					
POPULATION	700					

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APPLICANT INFORMATION			NEEDS			PROJECT
Paint Twp - Sewer Extensions to Rummel and Pomroy's Corner 1741 Basin Drive Windber, PA 15963	COUNTY: Somerset REGION: SW NPDES:	I: II: III A:	\$0 \$0 \$0	IVA: \$4,266,000 IVB: \$884,000 V: \$0 ELIG. \$5,150,000	PROJECT NO.: CS422764-01 PROJ. TYPE: SS PS PROJECT RATING: 34 PROJECT RANKING: 17 of 98	
PROB	The proposed service area is currently served by on-lot systems with a 64% malfunction rate.					
PROJ	The project will consist of approximately 40,000 lf of collection lines, which includes both gravity and force mains. The project also proposed one pump station to assist with the collection of the Pomroy's Corner area.					
POPULATION	622					
Scott Twp SWA - Wastewater Collection System RR#1 Box 432D Olyphant, PA 18447	COUNTY: Lackawanna REGION: NE NPDES:	I: II: III A:	\$0 \$0 \$0	IVA: \$11,000,000 IVB: \$0 V: \$0 ELIG. \$11,000,000	PROJECT NO.: CS422713-01 PROJ. TYPE: SS PS PROJECT RATING: 33 PROJECT RANKING: 18 of 98	
PROB	Malfunctioning onlot systems. Environmental benefits include reducing the flow of insufficiently treated sewage from malfunctioning onlot systems to an unnamed tributary to Tunkhannock Creek					
PROJ	Six pumping Stations, 157,810 feet of the combination of: force main pipe; gravity pipe line; and low pressure sewer pipe. There will be 1360 grinder pumps serving the system and they will owned and maintained by Scott.					
POPULATION	4000					

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APPLICANT INFORMATION		NEEDS			PROJECT	
Belfast Twp - Needmore Wastewater Treatment Facility and Collection System 121 Homestead Lane Needmore, PA 17238	COUNTY: Fulton REGION: SC NPDES:	I: \$2,000,000 II: \$0 III: \$0 IV: \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$2,000,000	PROJECT NO.: CS422745-01 PROJ. TYPE: STP SS PS PROJECT RATING: 32 PROJECT RANKING: 19 of 98		
PROB	Village of Needmore has no existing wastewater facilities. Needmore currently utilizes on lot disposal systems. A survey conducted indicates that 63% of the on lot systems are either confirmed malfunctioning or potential malfunctions. The project will eliminate these malfunctions and also all on lot systems in the Village by conveying all wastewater to one treatment facility.					
PROJ	The treatment facility will serve 80 EDUs and be designed for 100 EDU's for future population growth. Average design flow = 100 EDUx 270 gpd/EDU = 27,000 gpd. Treatment plant designed for 20,00 gpd.					
POPULATION	214					
Fairview Twp Sewer Authority - Sanitary Subdivision Phase 2 7485 McCray Road P.O. Box 429 Fairview, PA 16415	COUNTY: Erie REGION: NW NPDES:	I: \$0 II: \$0 III: \$0 IV: \$0	IVA: \$565,000 IVB: \$0 V: \$0 ELIG. \$565,000	PROJECT NO.: CS422786-01 PROJ. TYPE: SS PROJECT RATING: 32 PROJECT RANKING: 20 of 98		
PROB	Malfunctioning on-lot septic systems					
PROJ	The Sunnysdale Subdivision consists of the construction of an 8 inch diameter PVC gravity sanitary sewer line, manholes and appurtenant facilities along Wildwood Dr, Mistletoe Ave, and Greenbriar Drive.					
POPULATION	70					

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APPLICANT INFORMATION		NEEDS				PROJECT																	
Pittsburgh WSA - Sanitary Sewer Improvement Projects - Phase 2 Penn-Liberty Plaza I, 1200 Penn Avenue Pittsburgh, PA 15222	COUNTY: Allegheny REGION: SW NPDES:	I:	\$0	II:	\$0	III:	\$0	IV:	\$0	IVB:	\$0	V:	\$0	ELIG:	\$10,264,250	PROJECT NO.:	CS422763-01	PROJ. TYPE:	SSREH	PROJECT RATING:	30	PROJECT RANKING:	21 of 98
PROB	The City of Pittsburgh is under a Consent Order and Agreement that require her to televise its sewer system and to repair all major defects that are																						
PROJ	The project consists of the rehabilitation (Cured-in Place CIPP Lining) of approximately 3.0 miles of 8 inch diameter to 30 inch diameter sewer pipe; approximately 2,000 linear feet rehabilitation of large diameter public sewers utilizing gunite dry methods; open cut and improvements of approximately 6,700 linear feet of 18 inch to 24 inch reinforced concrete sewer and televising and cleaning of 136 miles of sewer throughout the entire PWSA service																						
POPULATION	334583																						
Allegheny Cty San Auth - ALCOSAN Capital Improvements Program 2009 3300 Preble Avenue Pittsburgh, PA 15212	COUNTY: Allegheny REGION: SW NPDES:	I:	\$0	II:	\$0	III:	\$0	IV:	\$0	IVB:	\$0	V:	\$11,775,000	ELIG:	\$11,775,000	PROJECT NO.:	CS422816-01	PROJ. TYPE:	PS SW	PROJECT RATING:	30	PROJECT RANKING:	22 of 98
PROB	Several streams are connected to ALCOSAN's interceptors adding flow to the system and wet weather overflows.																						
PROJ	Upgrade McKees Rocks pump station, install 5,300 lineal feet of 60" storm sewers to reroute the streams																						
POPULATION	850000																						

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APPLICANT INFORMATION		NEEDS			PROJECT	
New Buffalo Boro - Sanitary Sewer and WWTF Project P.O.BOX 245 NEW BUFFALO, PA 17069	COUNTY: PERRY REGION: SC NPDES:	I: \$300,000 II: \$0 IIIA: \$0 IV: \$0	IVA: \$325,000 IVB: \$175,000 V: \$0 ELIG: \$800,000	PROJECT NO.: CS422807-01 PROJ. TYPE: STP PS INT SS PROJECT RATING: 29 PROJECT RANKING: 23 of 98		
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					
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.					
POPULATION	126					
Sugar Grove Area SA - Phase III Sewer Line Extension 1650 Fiddler Hill Road Youngsville, PA 16371	COUNTY: Warren REGION: NW NPDES:	I: \$11,883 II: \$0 IIIA: \$0 IV: \$0	IVA: \$3,152,867 IVB: \$0 V: \$0 ELIG: \$3,164,750	PROJECT NO.: CS422797-01 PROJ. TYPE: SS PROJECT RATING: 29 PROJECT RANKING: 24 of 98		
PROB	This project will rectify a confirmed on-lot malfunction rate of 45%. Without the need for compliance action, it continues to move forward.					
PROJ	Construction of over 78,000 LF of varying sizes pressure sewer, 125 grinder pump stations and two booster pumping stations. Upgrade two pumping stations and wastewater treatment plant.					
POPULATION	312					

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APPLICANT INFORMATION		NEEDS			PROJECT	
Lehigh Cty Auth Flow Equalization Tank at LCA Wastewater Treatment Plant 1053 Spruce Street P.O. Box 3348 Allentown, PA 18106	COUNTY: Lehigh REGION: NE NPDES:	I: \$6,000,000 II: \$0 III: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$6,000,000	PROJECT NO.: CS422808-01 PROJ. TYPE: STPMOD PROJECT RATING: 29 PROJECT RANKING: 25 of 98		
PROB	The LCA WWTP receives highly variable hydraulic & organic loadings, resulting in less than optimum wastewater treatment. The Flow Equalization Tank will improve treatment plant efficiency since the variable loading will be dampened. In addition, the rate at which wastewater enters the downstream sanitary sewers will be lessened. This will, to some extent, reduce sewer system and STP hydraulic overloads					
PROJ	The Flow Equalization Tank (FET) has a capacity of 3 million gallons (MG). The FET project also consists of: the FET Influent Pump Station, the FET Mixing System, and an Odor Control System. The FET is located at the LCA's WWTP at PA Route 100 & Industrial Boulevard. The project will serve about					
POPULATION	15000					
Lackawanna River Basin Sewer Authority Interceptor and CSO Improvements P.O. Box 9068 Dickson City, PA 18519	COUNTY: Lackawanna REGION: NE NPDES:	I: \$0 II: \$0 III: \$159,880 \$0	IVA: \$0 IVB: \$1,453,728 V: \$0 ELIG. \$1,613,608	PROJECT NO.: CS422810-01 PROJ. TYPE: INT CSO PROJECT RATING: 29 PROJECT RANKING: 26 of 98		
PROB	Section A - The project will eliminate a hydraulic bottleneck in the existing interceptor sewer, eliminate stormwater inflow to the sanitary sewer system, monitor and record flow data on combined sewer overflow events, provide enhanced solids removal and increase conveyance capacity thereby reducing the duration, frequency and volume of combined sewer overflows to the Lackawanna River protecting public health and the environment.					
PROJ	Capacity upgrade of approximately 1,410 L.F. of existing LRBSA interceptor pipe from 10" to 18", reconstruction and improvements to an existing LRBSA combined sewer overflow manhole and separation of approximately 390 L.F. of combined sewer lines to eliminate stormwater inflow into the existing sewer system. Section B - Upgrade approximately 2,850 L.F. of existing interceptor from 18" to 24" diameter. Work will include a stream crossing of approximately 115 L.F. to be installed beneath Wildcat Creek via boring and insertion into a 36" steel casing pipe to avoid stream impacts.					
POPULATION	11111					

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APPLICANT INFORMATION			NEEDS			PROJECT	
Munhall San Sewer MA - Sanitary Sewer Deficiency Program 4400 Main Street Munhall, PA 15120	COUNTY: Allegheny	I:	\$0	IVA:	\$0	PROJECT NO.:	CS422765-01
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	SSREH
	NPDES:	IIIA:	\$0	V:	\$0	PROJECT RATING:	29
			\$7,109,000	ELIG.	\$7,109,000	PROJECT RANKING:	27 of 98
PROB	Munhall Sanitary Sewer Municipal Authority is under a Consent Order and Agreement which requires it to televise it's sewer system and to repair all critical defects that are identified.						
PROJ	Project consists of 14,133 lineal feet of sewer lining and 3,853 lineal feet of open cut repairs. Locating and raising 629 buried manholes.						
POPULATION	12264						
Beaver Falls City - Sanitary Sewer Rehabilitation 715 15th Street Beaver Falls, PA 15010	COUNTY: Beaver	I:	\$0	IVA:	\$0	PROJECT NO.:	CS422815-01
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	SSREH
	NPDES:	IIIA:	\$0	V:	\$0	PROJECT RATING:	28
			\$6,000,000	ELIG.	\$6,000,000	PROJECT RANKING:	28 of 98
PROB	Beaver Falls has old leaky sewers that need rehabilitation to maintain reliable service and reduce infiltration/inflow which has caused backups and						
PROJ	Cleaning ,televising , and lining 70,000 lineal feet of sewers.						
POPULATION	9920						

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APPLICANT INFORMATION		NEEDS			PROJECT	
Mountaintop Area Jt SA - Equalization Tank Project 290 Morio Drive Mountain Top, PA 18707	COUNTY: Luzerne REGION: NE NPDES:	I: \$0 II: \$3,247,000 III A: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG: \$3,247,000	PROJECT NO.: CS422792-01 PROJ. TYPE: STPMOD PROJECT RATING: 28 PROJECT RANKING: 29 of 98		
PROB	The project will address wet weather capacity issues experienced by the Plant since the BNR upgrade project was completed in 2007 which have resulted in some tank overtopping and manhole overflows.					
PROJ	The proposed project includes the construction of a 3 million gallon above ground glass lined metal equalization tank and piping improvements to increase the hydraulic capacity of the plant to 16mgd.					
POPULATION	19415					
Ambridge Boro MA - Phase 2 Consent Order Projects 600 11th Street Ambridge, PA 15003	COUNTY: Beaver REGION: SW NPDES:	I: \$5,657,800 II: \$0 III A: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG: \$5,657,800	PROJECT NO.: CS422779-01 PROJ. TYPE: STPMOD PROJECT RATING: 28 PROJECT RANKING: 30 of 98		
PROB	The Ambridge system has excessive infiltration/inflow and bypasses untreated sewage in wet weather. They are under a Consent Order and Agreement to make repairs to their sewers and upgrade the treatment plant to enable it to treat peak flows of 9.24 MGD.					
PROJ	This project will upgrade the secondary treatment process. The existing trickling filter will be upgraded with new pumps and a new distribution arm, the media will also be replaced. Two new secondary clarifiers will also be added.					
POPULATION	9013					

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APPLICANT INFORMATION		NEEDS			PROJECT	
Pleasantville Boro - 2008 Sewage Treatment Plant Upgrades 114 West State Street Pleasantville, PA 16341	COUNTY: Venango REGION: NW NPDES:	I: \$0 II: \$3,647,600 IIIA: \$248,700 \$248,700	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$4,145,000	PROJECT NO.: CS422781-01 PROJ. TYPE: STPMOD SSREH PROJECT RATING: 27 PROJECT RANKING: 31 of 98		
PROB	STP (08-1): The receiving stream has been degraded by the STP discharge. Improved discharge quality is required to address this problem. I/I has created a hydraulic overload. Organic overloads have been reported. Additional capacity must be "reserved" for Oil Creek Township. Existing equipment does not afford efficient operation. Much of the existing equipment is obsolete. The proposed project will address ALL of the above problems. Manholes (08-2): Project will reduce I/I, provide improved safety through better(bigger) access and provide more secure covers by utilizing hinged covers. School Street (08-3): This project will replace deteriorated sanitary sewers and water lines resulting in reduced I/I and water loss.					
PROJ	STP (08-1): The proposed upgraded STP will have a hydraulic design capacity of 400,000 gpd and a design organic loading of 600 lbs/day. Manholes (08-2): Approximately 71 existing manholes will be relined & manhole covers will be replaced with watertight 28" diameter covers to reduce I/I and improve access. School Street (08-3): Approximately 4" 1400 feet of water main will be replaced with 6" lines. New water service lines will be provided as well as new fire hydrants. Approximately 5 defective fire hydrants in Pleasantville will also be replaced. Approximately 1600 feet of sanitary sewer mains as					
POPULATION	850					

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APPLICANT INFORMATION		NEEDS			PROJECT	
Sewickley Boro - Headworks and 601 Thorn Street Sewickly, PA 15143	COUNTY: Allegheny REGION: SW NPDES:	I: \$6,626,100 II: \$0 III A: \$0 \$0	IV A: \$0 IV B: \$0 V: \$0 ELIG. \$6,626,100	PROJECT NO.: CS422762-01 PROJ. TYPE: STPMOD PROJECT RATING: 27 PROJECT RANKING: 32 of 98		
PROB	The existing headworks and sludge dewatering facilities need upgrades/expansion to handle future flow from nearby townships and in order to maximize flow through the plant to meet Combined Sewer Overflow requirements.					
	The existing headworks and sludge dewatering facilities need upgrades/expansion to handle future flow from nearby townships and in order to maximize flow through the plant to meet Combined Sewer Overflow requirements.					
	The existing headworks and sludge dewatering facilities need upgrades/expansion to handle future flow from nearby townships and in order to maximize flow through the plant to meet Combined Sewer Overflow requirements.					
PROJ	Headworks and dewatering facilities will be upgraded and expanded.					
POPULATION	3902					

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APPLICANT INFORMATION		NEEDS			PROJECT	
Wyoming Vly San Auth - Biological Nutrient Removal 1000 Wilkes-Barre Street Wilkes-Barre, PA 18711	COUNTY: Luzerne REGION: NE NPDES:	I: \$0 II: \$15,525,00 III A: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$15,525,000	PROJECT NO.: CS422722-01 PROJ. TYPE: STPMOD PROJECT RATING: 26 PROJECT RANKING: 33 of 98		
PROB	Removal of Nitrogen and Phosphorous from effluent that is in excess of NPDES permit limits and the Chesapeake Bay Strategy. At the present flow rate and loadings approximatly 200,000 pounds of nitrogen need to be removed. This would increase with acceptance of addition flow. Another factor that would increase the quantity of Nitrogen to be removed is acceptance of brine waste from gas and oil drilling operations that the authority is reviewing.					
PROJ	Convert the existing wastewater treatment system to the MLE process for Nitrogen removal.the project includes construction of a pump station on each treatment train to achieve the recycle ratio of between 2 and 4 required for nitrogen removal. To reduce phosphorus below the NPDES permit limit a chemical addition station is to be constructed before the final settling tank of each treatment train. The chemical to be added is Alum. As the addition of Alum and nitrification reduce alkalinity lime is to added to the system after the aerated grit chambers.					
POPULATION	189005					
Winslow Township - Village of Soldier 1277 Yellow Brick Road Reynoldsville, PA 15851	COUNTY: Jefferson REGION: NW NPDES:	I: \$0 II: \$0 III A: \$0 \$0	IVA: \$2,597,300 IVB: \$0 V: \$0 ELIG. \$2,597,300	PROJECT NO.: CS422714-01 PROJ. TYPE: PS PROJECT RATING: 26 PROJECT RANKING: 34 of 98		
PROB	Noted in the project feasibility study, many of the on-lot sewage systems are malfunctioning (48%), which in turn is polluting the ground and surface waters. It was also documented in the feasibility study that 71% of the water samples collected in the Soldier area have total coliform amounts in excess of Maximum Contaminant Levels. Environmental benefits include reducing insufficiently treated sewage sent to the Township's waterways					
PROJ	Reapplication - The proposed project consists of 22,935 linear feet of gravity sewer, 5,622 linear feet of sewer force main, 89 service connections, two (2) sewer lift stations, three (3) residential grinder pumps and all other associated appurtunances.					
POPULATION	34976					

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APPLICANT INFORMATION			NEEDS			PROJECT
Bedford Twp MA - Area 2 Sanitary Sewer Extension P.O. Box 371 Bedford, PA 15522	COUNTY: Bedford REGION: SC NPDES:	I: II: III A:	\$0 \$0 \$0	IVA: IVB: V: ELIG.	\$9,415,000 \$0 \$0 \$9,415,000	PROJECT NO.: CS422747-01 PROJ. TYPE: PS SS PROJECT RATING: 26 PROJECT RANKING: 35 of 98
PROB	Elimination of approximately 194 privately owned on-lot sewage disposal systems.					
PROJ	Installation of approximately 17,300 L.F. of gravity sewer piping, 2,900 feet of pipe bursting, 24,800 L.F. of low pressure sewer piping, 70 grinder pumping units, 6 sewage pump stations and all necessary appurtenances.					
POPULATION	588					
Lancaster Area SA - Letort Manor & Perth Hills Sewer Extension 130 Centerville Road Lancaster, PA 17603	COUNTY: Lancaster REGION: SC NPDES:	I: II: III A:	\$0 \$0 \$0	IVA: IVB: V: ELIG.	\$3,000,000 \$0 \$0 \$3,000,000	PROJECT NO.: CS422739-01 PROJ. TYPE: SS PROJECT RATING: 26 PROJECT RANKING: 36 of 98
PROB	The Letort Manor/Perth Hills sewer extension project will provide public sewer to an existing residential subdivision to address problems with their existing old and failing on-lot sewage system and contaminated drinking water.					
PROJ	The Letort Manor/Perth Hills sewer extension project consists of the construction of a new sanitary sewer system to service approximately 260 existing homes that Manor Township's DEP approved 537 plan identified as being a needs area due to clusters of malfunctions and/or polluted well samples.					
POPULATION	266					

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APPLICANT INFORMATION		NEEDS			PROJECT	
Lackawanna River Basin SA - Throop WWTP NRT and Capacity Expansion P.O. Box 9068 Dickson City, PA 18519	COUNTY: Lackawanna	I:	\$0	IVA:	\$0	PROJECT NO.: CS422811-01
	REGION: NE	II:	\$16,238,37	IVB:	\$0	PROJ. TYPE: STPMOD
	NPDES:	IIIA:	\$0	V:	\$0	PROJECT RATING: 25
			\$0	ELIG:	\$16,238,376	PROJECT RANKING: 37 of 98
PROB	LRBSA must comply with mandated Chesapeake Bay Nutrient Reduction Strategy. This project employs the chosen alternative of BNR treatment upgrades to acheive compliance with the mandate at the Throop WWTP. Project will also provide needed expansion of the Throop plant from 7.0 MGD to 10 MGD.					
PROJ	LRBSA must comply with mandated Chesapeake Bay Nutrient Reduction Strategy. This project employs the chosen alternative of BNR treatment upgrades to acheive compliance with the mandate at the Throop WWTP. Project will also provide needed expansion of the Throop plant from 7.0 MGD to 10 MGD. The Authority's Throop WWTP currently serves Throop Boro.; Archbald Boro.; Blakely Boro.; Dickson City Boro.;Jefferson Twp.;Jermyn Boro.; Jessup Boro.;					
POPULATION	35311					
Southern Delaware Cty Auth - Beech Street Pump Station Upgrades 101 Beech Street Boothwyn, PA 19061	COUNTY: Delaware	I:	\$0	IVA:	\$598,200	PROJECT NO.: CS422717-01
	REGION: SE	II:	\$0	IVB:	\$0	PROJ. TYPE: INT
	NPDES:	IIIA:	\$0	V:	\$0	PROJECT RATING: 25
			\$0	ELIG:	\$598,200	PROJECT RANKING: 38 of 98
PROB	The pump station has experienced elevated flows during rainfall events that could result in overflows from the system.					
PROJ	Upgrade 3 pumps to provide a new station capacity of approximately 3 MGD. Install a Backup Generator to allow the station to run under loss of power. Install variable frequency drives on 3 pump motors for better efficiency.					
POPULATION	9600					

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APPLICANT INFORMATION		NEEDS			PROJECT
Potter Twp - Wastewater System Improvements Project 124 Short Road Spring Mills, PA 16875	COUNTY: Centre REGION: NC NPDES:	I: \$0 II: \$715,868 IIIA: \$0 \$0	IVA: \$745,250 IVB: \$0 V: \$0 ELIG. \$1,461,118	PROJECT NO.: CS422752-01 PROJ. TYPE: STP PS SS PROJECT RATING: 25 PROJECT RANKING: 39 of 98	
PROB	The Country Club Park treatment plant is experiencing effluent violations as well as potentially facing structural failure. The Meadows Clinic treatment system is not adequately treating for nitrogen to protect the groundwater as well as creating a limitation on the Clinics bed count.				
PROJ	A new treatment facility to replace the Country Club Park treatment system will provide a higher quality effluent. A pump station and force main from the Meadows Clinic will allow them to expand and provide better treatment at the CCP facility. The hydraulic capacity of the existing CCP facility will be continued with the new facility due to the high quality of the stream.				
POPULATION	359				

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APPLICANT INFORMATION		NEEDS			PROJECT
North East Boro SA - WWTP's Upgrade and Expansion - CONSTRUCTION 31 West Main Street North East, PA 16428	COUNTY: Erie REGION: NW NPDES:	I: \$14,985,00 II: \$3,000,000 III: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$17,985,000	PROJECT NO.: CS422782-01 PROJ. TYPE: STPMOD PROJECT RATING: 25 PROJECT RANKING: 40 of 98	
PROB	There are 2 Wastewater Treatment Plants serving North East Borough and North East Township. These plants are connected in series. The upstream plant is called Site 1 and serves as a pretreatment facility due to the high strength wastewater received from food processing industries. The downstream plant located about 2 miles away is called Site 2 and provides final treatment , with discharge to Sixteen Mile Creek. Due to problems with compliance, North East Borough and the PA DEP entered into a Consent Decree on August 20, 1998 which required the Borough to complete an Act 537 Plan. The Act 537 Plan recommended that the Site 1 plant be upgraded to include new facilities and a redundant aeration basin to prevent pollution incidents. The Act 537 Plan also recommended expansion of the Site 2 Plant to accomodate service area expansions in North East Township . These service area expansions will eliminate malfunctioning septic systems. The Act 537 Plan was approved by the PA DEP and design work for the proposed project has been completed. The PA DEP is in the process of taking enforcement action against the Borough including a new Consent Order and Agreement. This Consent Order and Agreement will require completion of the proposed project. Therefore, this project is necessary to bring the Wastewater Treatment Plants in compliance				
PROJ	With the proposed project, the Site 1 Treatment Plant hydraulic capacity will remain at 2.1 MGD, however, the Site 1 organic capacity will be increased from 18,760 lbs BOD/day to 21,000 lbs BOD/day. With the proposed project, the Site 2 Treatment Plant hydraulic capacity will be increased from 2.1 MGD to 2.9 MGD. The Site 2 organic capacity will also be increased from 4300 lbs BOD/day to 6000 lbs BOD/day.				
POPULATION	7000				

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APPLICANT INFORMATION		NEEDS				PROJECT		
Derry Twp MA - Sanitary Sewer Improvement Project 670 Clearwater Road Hershey, PA 17033	COUNTY: Dauphin	I:	\$0	IVA:	\$0	PROJECT NO.:	CS422796-01	
	REGION: SC	II:	\$0	IVB:	\$0	PROJ. TYPE:	SSREH	
	NPDES:	IIIA:	\$1,463,900	V:	\$0	PROJECT RATING:	24	
			\$0	ELIG:	\$1,463,900	PROJECT RANKING:	41 of 98	
PROB	<p>The Derry Township Municipal Authority (DTMA), a regional sewer authority serving six municipalities, owns and operates the sanitary sewer system serving Derry Township. DTMA has identified a number of sanitary sewer lines within Derry Township, which also serves Hummelstown Borough, that are in need of repair or replacement to maintain the integrity of the system. These portions of the sanitary sewer collection system experience periodic overloading during times of wet weather. These problems are caused by the way the sewer system was originally constructed when old and new systems were connected together. There are three areas targeted for replacement; Mill Street, Cocoa Avenue, and Walton Avenue. The Mill Street area contains several pipe segments with little or no grade drop as well as severe restrictions due to poor hydraulic convergences at several manholes. As a result the area is subject to chronic back-ups and surcharges during significant wet weather events. The proposed project includes the replacement and realignment of sanitary sewer lines and a new boring under four lanes of PA Route 422 that will allow the line to be deepened; thereby providing sufficient grade to eliminate all the existing bottlenecks and adverse hydraulic conditions. The area around Cocoa Avenue contains two parallel lines constructed at different elevations. Hydraulic problems occur in these lines at the entrances to manholes. The proposed project includes the consolidation of both lines into a single, deeper line with smoother hydraulic manhole convergence points. Two sections of the existing trunk line in the Walton Avenue area were installed with no slope, and as a result, there are segments which result in conveyance bottlenecks and surcharge conditions. The Walton Avenue project includes the replacement of the sanitary sewer line and a new boring under the Norfolk Southern railroad tracks. By correcting the problems in the Mill Street, Cocoa Avenue and Walton Avenue areas, DTMA is able to reduce inflow and infiltration (I&I), chronic surcharges, and provide for the efficient operation of the sanitary sewer system for Derry Township and Hummelstown Borough.</p>							
PROJ	<p>The sewer improvements in the Mill Street portion of the project include the replacement and realignment of approximately 2,300 feet of 15" sanitary sewer line, including fourteen (14) 8-10' deep manholes. The project includes approximately 200 feet of boring under four lanes of PA Route 422 to allow for the realignment of the sewer line to eliminate adverse hydraulic conditions. Approximately 2300 of trench will be repaved along Mill Street for roadway restoration. The proposed project around Cocoa Avenue includes consolidating two sewer lines into a single, deeper line with smoother hydraulic manhole convergence points. Approximately 900 feet of 15" pipe and six (6) 8-10' deep manholes are included in this work. The Walton Avenue portion of the project includes the replacement of approximately 500 feet of 15" sanitary sewer pipe and a new 300 foot boring under the Norfolk Southern railroad</p>							
POPULATION	62500							

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APPLICANT INFORMATION		NEEDS				PROJECT
Gratz Boro MA - New Wastewater Treatment Facility 125 North Center Street Gratz, PA 17034	COUNTY: Dauphin REGION: SC NPDES:	I: \$0 II: \$1,000,000 III A: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$1,000,000		PROJECT NO.: CS422742-01 PROJ. TYPE: STPMOD PROJECT RATING: 23 PROJECT RANKING: 42 of 98	
PROB	The Gratz Borough Municipal Authority is currently under a Consent Order and Agreement with the Pennsylvania Department of Environmental Protection (PADEP) to construct a new wastewater treatment facility. The existing wastewater treatment facility is extremely organically overloaded					
PROJ	Construct a new wastewater treatment facility designed to treat a design flow of 120,000 GPD, and a peak flow of 205,000 GPD. Additionally, the new wastewater treatment facility is designed to provide optimum treatment to the following influent loadings: BOD5, Total Suspended Solids, Ammonia-Nitrogen, Total Nitrogen and Total Phosphorus. The new wastewater treatment facility is designed to meet the existing NPDES permit parameters, as well as the future Chesapeake Bay Nutrient Reduction Regulations of 6 mg/L for Total Nitrogen and 0.8 mg/L for Total Phosphorus.					
POPULATION	750					
Lower Paxton Twp. Auth - Sanitary Sewer Replacement Projects 425 Prince Street Harrisburg, PA 17109	COUNTY: Dauphin REGION: SC NPDES:	I: \$0 II: \$0 III A: \$16,630 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$16,630		PROJECT NO.: CS422738-01 PROJ. TYPE: SSREH PROJECT RATING: 23 PROJECT RANKING: 43 of 98	
PROB	Lacking compliance with PADEP Consent Order, overflows and basement back-ups exist, eliminate hydraulic overload.					
PROJ	replacement of approximately 65,000 feet of sewer, rehab of approximately 4,000 feet of sewer					
POPULATION	46750					

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APPLICANT INFORMATION			NEEDS			PROJECT
Dale Boro - Sewer Separation Project 810 Bedford Street Johnstown, PA 15902	COUNTY: Cambria REGION: SW NPDES:	I: \$0 II: \$0 III: \$0 III A: \$0	IV: \$0 IVB: \$0 V: \$5,700,000 ELIG: \$5,700,000	PROJECT NO.: CS422774-01 PROJ. TYPE: SS PROJECT RATING: 23 PROJECT RANKING: 44 of 98		
PROB	Dale Borough has combined sewers with 8 combined sewer overflows that discharge untreated sewage in wet weather into the Conemaugh and Stonycreek					
PROJ	Combined sewer separation project including approximately 27,000 lineal feet of new sanitary sewers, elimination of all 8 combined sewer overflows, and conversion of the existing sewers into storm sewers.					
POPULATION	1503					
Foxburg Sewage Treatment Plant Expansion & Sewer Lines Upgrade P.O. Box 327 Foxburg, PA 16036	COUNTY: Clarion REGION: NW NPDES:	I: \$1,686,984 II: \$224,520 III: \$0 III A: \$205,206	IV: \$0 IVB: \$83,290 V: \$0 ELIG: \$2,200,000	PROJECT NO.: CS422785-01 PROJ. TYPE: STP INT SSREH PROJECT RATING: 23 PROJECT RANKING: 45 of 98		
PROB	The WWTP experiences wet weather bypassing and washouts. Effluent violations do occur. Wet weather overflows also occur in the collection system.					
PROJ	The existing treatment plant has a capacity of 0.085 MGD and the proposed plant will have a capacity of 0.160 MGD. The plant has been sized for current and ACT 537 flow growth projections and current discharge limits into the Allegheny River.					
POPULATION	0					

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APPLICANT INFORMATION		NEEDS			PROJECT	
Johnsonburg MA - Phase 2- Wastewater Treatment Plant Renovations 520 Market Street STE A Jonhsonburg, PA 15845	COUNTY: Elk REGION: NW NPDES:	I: \$12,651,00 II: \$0 III A: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$12,651,000	PROJECT NO.: CS422784-01 PROJ. TYPE: STPMOD PROJECT RATING: 23 PROJECT RANKING: 46 of 98		
PROB	Johnsonburg must reconstruct critical sanitary wastewater infrastructure, and is now faced with significant costs that threaten to overwhelm the ability of the customer base to pay for them. The Authority is under a Consent Order with the PA Department of Environmental Protection which requires start of construction of this project by August 1, 2009, and all facilities to be in operation by December 31, 2010 or the Authority will face civil penalties and new					
PROJ	The Phase 2 project (Wastewater Treatment Plant Renovations) will encompass the construction of raw sewage pump station and influent force main, pretreatment facilities, flow equalization tanks, activated sludge basin modifications, clarification tanks and associated facilities, chlorine contact tank, aerobic sludge digesters, existing control building alterations, plant control and monitoring system, and various additions/modifications to existing piping					
POPULATION	4650					
Sinking Spring Boro - WWTP Upgrade/Expansion 3940 Penn Avenue Sinking Spring, PA 19608	COUNTY: Berks REGION: SC NPDES:	I: \$0 II: \$5,500,000 III A: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$5,500,000	PROJECT NO.: CS422735-01 PROJ. TYPE: STPMOD PROJECT RATING: 23 PROJECT RANKING: 47 of 98		
PROB	The Chapter 94 Report for 2007 indicated this facility is projected to exceed its rated hydraulic capacity of 1.0 MGD by 2009 and exceed its organic rating of 2,000 lbs of BOD5/day by 2012. This project is part of the Corrective Action Plan (CAP) which was submitted to PaDEP for consideration.					
PROJ	The upgrade and minor expansion of the existing wastewater treatment facilities consists of the following. There will be upgrade improvements to the headworks including the installation of an influent mechanical fine screen, construction of a new third final clarifier including associated pumping and piping, and provision of additional reed beds. As well as retrofitting the existing sodium hypochlorite return activated sludge chlorination facilities to chemical (ferric chloride) addition facilities, in order to meet the new total Phosphorus limit imposed. The upgraded facility will have a rated hydraulic					
POPULATION	7060					

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APPLICANT INFORMATION		NEEDS				PROJECT
Highspire Boro Auth - Regional WWTP BNR Project 182 Penn Street Highspire, PA 17034	COUNTY: Dauphin REGION: SC NPDES:	I: \$0 II: \$9,607,000 III: \$0 IV: \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG: \$9,607,000		PROJECT NO.: CS422740-01 PROJ. TYPE: STPMOD PROJECT RATING: 23 PROJECT RANKING: 48 of 98	
PROB	The Authority is required by the PA Department of Environmental Protection (PADEP) to upgrade its wastewater treatment plant (WWTP) in order to meet biological nutrient removal requirements of the Pennsylvania's Chesapeake Bay Tributary Strategy.					
PROJ	The plant is currently rated and permitted for 2.0 million gallons per day (mgd) and treats an average of 1.15 mgd. The proposed upgrades are designed for an average daily flow of 2.0 mgd and a peak hydraulic flow of 4.0 mgd. These upgrades must be completed by August 2010 in order for the plant to be in compliance with its total nitrogen and total phosphorous annual loading limits that are in effect in the WWTP's NPDES Permit.					
POPULATION	10500					
Ford City Boro Sew Disp Auth - LTCP Sewer Separation Project P.O. Box 66 Ford City, PA 16226	COUNTY: Armstrong REGION: SW NPDES:	I: \$0 II: \$0 III: \$0 IV: \$0	IVA: \$0 IVB: \$0 V: \$1,570,000 ELIG: \$1,570,000		PROJECT NO.: CS422772-01 PROJ. TYPE: SS PROJECT RATING: 23 PROJECT RANKING: 49 of 98	
PROB	Ford City has combined sewers which bypass untreated sewage to the Allegheny River in wet weather. They are under a Consent Order and Agreement which requires Ford City to comply with EPA's Combined Sewer Overflow policy.					
PROJ	Sewer separation project consisting of the installation of 5,700 linear feet of 10 inch and 15 inch diameter sewers, existing combined sewers will be utilized to convey storm water.					
POPULATION	2846					

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
RECOVERY 2009 - WASTEWATER PROJECT PRIORITY LIST
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APPLICANT INFORMATION	NEEDS	PROJECT
West Pittston Boro - sewer system improvements 555 Exeter Avenue West Pittston, PA 18643	COUNTY: Luzerne REGION: NE NPDES:	I: \$0 II: \$0 IIIA: \$0 IV: \$0 ELIG. \$9,450,000
	IVA: \$9,450,000 IVB: \$0 V: \$0 ELIG. \$9,450,000	PROJECT NO.: CS422723-01 PROJ. TYPE: SS PROJECT RATING: 22 PROJECT RANKING: 50 of 98
PROB	West Pittston Borough is located along the Susquehanna River. However, the borough is very flat with numerous areas which do not drain to the river. Many of these low-lying areas may have been created or exacerbated by settling of the deep coal mines over the past century. These settlements have caused the almost 100 year old clay pipes to break or to become back-pitched. The project area involves the worst of these areas. The main drainage pipes from this area are virtually inoperable. This is a large section of the borough of approximately 135 acres which flows to the interior of the borough and is trapped. The result is that this residential "bowl shaped" region experiences constant flooding. The construction of this new culvert and storm sewer system will convey the storm flows safely to the river and will alleviate the extensive flooding of this portion of the borough. The existing almost 100 year old sewer system in West Pittston Borough is a combined sewer system consisting of clay pipes and brick manholes. During storm events the storm water combines with the sanitary sewerage and overflows into the Susquehanna River through Combined Sewer Overflows (CSOs). In the project area, due to the broken and back-pitched and under-sized system the combined sewage/storm water backs up into houses and onto the streets. These events occur multiple times	
PROJ	The flooding and sewage back-up problems will be eliminated by the construction of separate storm water and sanitary sewer collection systems in the project area. The main storm water conveyance channel will be a 60" inch diameter culvert approximately 3,000 feet long extending from Fifth Street to the Susquehanna River. Approximately 6,700 feet of collection storm sewers ranging in size from 12 inch to 36 inch diameter will be constructed throughout the drainage basin to collect and convey storm water into the main culvert. Portions of the existing combined sewer system will remain in place and will be used as storm sewers only after the sanitary sewerage is separated out. The project will provide protection from flooding for up to the 25 year storm event. Approximately 16,000 lineal feet of sanitary sewage mains will be constructed to achieve the combined sewer separation. New sanitary sewer laterals will be installed in the streets and new manholes will be constructed. The sanitary line will connected to an existing sanitary sewer line on	
POPULATION	895	

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APPLICANT INFORMATION		NEEDS				PROJECT
Galeton Boro Auth - Sewer Separation and Rehabilitation 4 Sherman Street Galeton, PA 16922	COUNTY: Potter REGION: NC NPDES:	I: \$0 II: \$0 IIIA: \$0 \$0	IVA: \$0 IVB: \$0 V: \$2,862,000 ELIG. \$2,862,000		PROJECT NO.: CS422759-01 PROJ. TYPE: CSO PROJECT RATING: 22 PROJECT RANKING: 51 of 98	
PROB	This is a CSO system with one of the discharge points being next to the school. This project will eliminate that CSO point and is consistent with the LTCP.					
PROJ	The Sewer Separation and Rehabilitation Project consists of work in the Southwest sewershed in the Galeton Borough Authority's service area. This project includes the elimination of two combined sewer overflows. It also includes reconstruction of two pump stations; construction, reconstruction or lining of approximately 7,800 feet of sanitary sewer; construction of approximately 2,400 feet of storm sewer; and reconstruction of about 3,500 feet of building					
POPULATION	1325					

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APPLICANT INFORMATION	NEEDS	PROJECT
Lehigh Cty Auth - Western Weisenberg Township Wastewater Treatment Plant P.O. Box 348 Allentown, PA 18106	COUNTY: Lehigh REGION: NE NPDES: I: \$0 II: \$2,931,170 III: \$0 IV: \$0	IV: \$0 IVB: \$0 V: \$0 ELIG. \$2,931,170
		PROJECT NO.: CS422732-01 PROJ. TYPE: STPMOD PROJECT RATING: 22 PROJECT RANKING: 52 of 98
PROB	The Arcadia West Industrial Park wastewater treatment plant (WWTP), operated by the Lehigh County Authority (LCA), was taken off-line in August 2006 because it could not meet its permit discharge limit for nitrogen-ammonia. Wastewater must be hauled to the nearest plant for treatment. The new WWTP will serve the Arcadia West Industrial Park, wastewater flows from a proposed development in the northeast quadrant of the Interstate 78 (I-78)/State Route 863(S.R. 863) interchange, the Bandit Truck Stop, and the newly expanded Weisenberg Elementary School of the Northwestern Lehigh School District.	
PROJ	The existing wastewater treatment plant is designed to treat an average flow of 12,000 gallons per day. Construction of a new WWTP to replace the existing plant will include the construction of a Sequencing Batch Reactor (SBR) wastewater treatment facility followed by disinfection with a hydraulic design capacity of 40,000 gallons per day, enough to support the project area and provide unreserved capacity for future malfunctioning septic systems and other developments unknown at this time. Sludge will be withdrawn directly from each SBR and digested aerobically prior to disposal off-site. Chemical addition and filtration units will be constructed at the WWTP to achieve the 0.3 mg/L phosphorus limit. A low-pressure sewer system and individual grinder pumps will be constructed to convey wastewater flows from the proposed development, located in the northeast quadrant of the I-78/S.R. 863 interchange, to the existing Arcadia West Industrial Park collection system. This is planned to be the ultimate disposal method for the 30 EDUs and there is no interim disposal provided. Treated effluent from the Arcadia West Industrial Park WWTP is currently discharged to an unnamed tributary to Mill Creek. The expected wastewater flow from the proposed development adjacent to Arcadia is 12,000 gpd (30 EDU) based on a flow of 15 gpd/person. The Bandit Truck Stop is expected to contribute 3,000 gpd. The Weisenberg Elementary School is expected to contribute 8,000 gpd. The Lehigh County	
POPULATION	910	

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APPLICANT INFORMATION		NEEDS				PROJECT
Monongahela City MA - Park Avenue Pump Station Replacement Project 521 West Main Street Monongahela, PA 15063	COUNTY: Washington	I:	\$0	IVA:	\$0	PROJECT NO.: CS422766-01
	REGION: SW	II:	\$0	IVB:	\$3,527,000	PROJ. TYPE: PS SS
	NPDES:	IIIA:	\$0	V:	\$0	PROJECT RATING: 22
			\$0	ELIG:	\$3,527,000	PROJECT RANKING: 53 of 98
PROB	Excessive wet weather flow results in bypassing at the Pigeon Creek pump station. Rerouting the flow through a new Park Avenue pump station and force main will eliminate the bypassing.					
PROJ	Construction of the Park Avenue pump station, installation of 2,750 lineal feet of 12" ductile iron force main and 1,700 lineal feet of 8" gravity sewer.					
POPULATION	7434					

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APPLICANT INFORMATION			NEEDS			PROJECT
Pittston City - Broad Street - SEWER SYSTEM IMPROVEMENTS 35 Broad Street Pittston, PA 18640	COUNTY: Luzerne	I:	\$0	IVA:	\$9,200,000	PROJECT NO.: CS422728-01
	REGION: NE	II:	\$0	IVB:	\$0	PROJ. TYPE: SS
	NPDES:	IIIA:	\$0	V:	\$0	PROJECT RATING: 22
			\$0	ELIG:	\$9,200,000	PROJECT RANKING: 54 of 98
PROB	<p>The City of Pittston has a combined storm and sewage system which is approximately 90 years old. There are 5 major drainage courses through the city. Storm water is conveyed through these drainage courses by old culverts which were constructed during various periods during the last century of varying materials including hand laid stone and railroad ties and slate slabs. These major culverts have reached the end of their useful life and have deteriorated and failed. In particular the culvert system known as the Broad Street Sewer suffered significant strain and failed during a heavy rainfall which occurred in November 2006. A section of the culvert located between Broad Street and Charles Street sustained damage due to hydraulic overloading. The ruptured section of the storm sewer line was a 6 ft. stone arch structure with a corrugated metal pipe lining. The subsequent flood damaged several buildings including the Public Library, a nearby commercial strip mall, a commercial building and a residence (which will likely be partially demolished) and several downtown businesses including a major Verizon Equipment Station. The failed portion of the pipe was replaced by FEMA and PEMA however subsequent investigations have uncovered similar problems through the remainder of the old culvert system. The existing culvert has several building constructed over the top of it. In addition to the structural problems with the main culvert there are problems with the old combined sewer system. It is comprised of a series of clay pipes and brick manholes and inlets. There is significant deterioration and cracking with all of the piping and appurtenances. The City of Pittston is underlain with abandoned coal mine workings. Over the past century, settlement of these old mines has led to cracked, broken and collapsed sewer piping. The combined sewer system results in flooding of the properties with combined sewage during major rain fall events. The down town business district is the financial support of the city. The Broad Street System failure resulted in flooding of the downtown and has curtailed development. The regional low area is located on Main Street and floods during significant rainfall events. In addition, the old deteriorated combined sewers produce sewage odors throughout</p>					
PROJ	<p>The City of Pittston is proposing to separate the Broad Street Combined Sewer System. The pipes under construction are undersized and in need of replacement due to age. The city will replace extend the new FEMA culvert with a 72 inch diameter RCCP approximately 2,200 feet to convey storm water to the Susquehanna River. The other portions of its combined sewer system will be separated into a new storm sewer system and a new sanitary sewer system. The storm sewer system will be comprised of approximately 10,000 feet of 18 inch to 48 inch diameter storm lines and 120 inlets. The sanitary sewer system will entail approximately 11,500 lineal feet of 8 inch through 15 inch diameter of new sanitary mains and 54 manholes. These systems are located in around Broad Street, Front Street, Fear Street, Fulton Street, Anderson Street, Wilson Street, Foundry Street, Tunnel Street, O'Connell Street, Gazette Street, Charles Street, Kennedy Street, Spring Street, South Main Street, Dock Street, Cron Street, Wharf Street, Market Street, Unnamed Alleys</p>					
POPULATION	428					

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APPLICANT INFORMATION		NEEDS			PROJECT
Meyersdale Boro - Sludge Removal and Sewer Rehabilitation Project 613 Second Street, P.O. Box 60 Meyersdale, PA 15552	COUNTY: Somerset REGION: SW NPDES:	I: \$1,221,000 II: \$0 III: \$0 \$1,083,000	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$2,304,000	PROJECT NO.: CS422767-01 PROJ. TYPE: SSREH PROJECT RATING: 21 PROJECT RANKING: 55 of 98	
PROB	The Borough of Meyersdale's treatment plant has been unable to meet the NPDES effluent limits for total suspended solids, in addition the Borough's sewer system has been bypassing untreated wet weather flow into the Casselman River and Flaugherty Creek.				
PROJ	Removal of 1,770 tons of sludge from the lagoon treatment plant in order to meet the total suspended solids limits. Replacement/rehabilitation of 8,000 lineal feet of sewer to reduce wet weather flow and minimize bypassing.				
POPULATION	2967				

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APPLICANT INFORMATION			NEEDS			PROJECT
Upper Pottsgrove Twp - Farmington Avenue and Regal Oaks Pump Station 1409 Farmington Avenue Pottstown, PA 19464	COUNTY: Montgomery	I:	\$0	IVA:	\$5,028,780	PROJECT NO.: CS422806-01
	REGION: SE	II:	\$0	IVB:	\$0	PROJ. TYPE: INT
	NPDES:	IIIA:	\$0	V:	\$0	PROJECT RATING: 21
			\$0	ELIG:	\$5,028,780	PROJECT RANKING: 56 of 98
PROB	1. Overloaded package treatment plant in the Regal Oaks Subdivision 2. Inability to output any further discharge to the Sprogels Run Stream through the package treatment plant. 3. Overloaded pumping station in the Cherry Tree Subdivison 4. Comply with PADEP order to dismantle the plant and pumping station. 5. Eliminate malfunctioning septic systems (Farmington Avenue Study Area has a Malfunction rate of 57% as indicated in the Upper Pottsgrove Township Act 537 Revision Special Study Addendum of 2001) 6. Comply with current and past sewer treatment planning via the Township Act 537 Plan					
PROJ	1) Regal Oaks Pumping Station Project. Install 2,760' of 12" SDR-35 Gravity Mains, Install 580' of 12" SDR-26 Gravity Mains, Install 160' of 8" SDR-35 Gravity Mains, Install 1100' of 18" SDR-26 Gravity Mains, Install 21 Manholes, Disabling of 1 Existing Septic System, Install 330 6" SDR-35 Sewer Laterals, Landscaping, Dismantle Regal Oaks Wastewater Treatment Facility (ROWWTF), Replace with Fairbanks Morse Package Pumping Station (537,120gpd), Install Regal Oaks, Emergency Generator, Dismantle Cherry Tree Pumping Station (CTPS), 4630' of Permanent Roadway and Shoulder Restoration for mains and laterals, 3580' of Permanent Easement Restoration for mains and laterals, 6900' of Penn DOT Mill and Overlay (1 1/2" wearing course), Line Painting, Inspection and Testing Upper Pottsgrove Township (UPT) Financial Contribution to the Pottstown York and Beech Street Sewer Expansion Project (to specifically handle new capacity from UPT. The Capacity Agreement (\$315,684) and UPT's portion of the York & Beech Expansion (\$900,000) are being requested for Capital Contribution Funding. UPT Capacity Purchase from Pottstown Borough Authority (PBA) for 71,000 gpd Farmington Avenue West Sewer Project Phase2. Install 6980' of 8" SDR-35 Gravity Mains, Install 27 Manholes, Install 910' of 6" SDR-21 force main, construct 2 pumping stations (745,200gpd & 144,000gpd), 3750' of Permanent Roadway and Shoulder Restoration for mains and laterals, 6570' of Permanent Easement					
POPULATION	1251					

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APPLICANT INFORMATION			NEEDS				PROJECT	
Kittanning Boro MA - CSO Phases 2 and 5 Sewer Separation Project P.O. Box 973 Kittanning, PA 16201	COUNTY: Armstrong	I:	\$0	IVA:	\$0	PROJECT NO.:	CS422769-01	
	REGION: SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	SS	
	NPDES:	IIIA:	\$0	V:	\$6,900,000	PROJECT RATING:	21	
			\$0	ELIG:	\$6,900,000	PROJECT RANKING:	57 of 98	
PROB	Currently approximately 15 percent of the Authority's sewer system is a combined system. The Authority's NPDES Permit includes two remaining CSO outfalls designated known as Outfall No. 2 and 11. Outfall No. 2 is active with a frequency ranging from 20 to 40 events per year. As such, Outfall No. 2 is not in compliance with the EPA established guidelines. The Authority has completed Phase 1, 3 and 4, Phases 2 and 5 are the final phases of the sewer separation project. This final phase will bring the Authority into compliance with the EPA guidelines by eliminating extraneous flow in the system and							
PROJ	Currently approximately 15 percent of the Authority's sewer system is a combined system. The Authority's NPDES Permit includes two remaining CSO outfalls designated known as Outfall No. 2 and 11. Outfall No. 2 is active with a frequency ranging from 20 to 40 events per year. As such, Outfall No. 2 is not in compliance with the EPA established guidelines. The Authority has completed Phase 1, 3 and 4, Phases 2 and 5 are the final phases of the sewer separation project. This final phase will bring the Authority into compliance with the EPA guidelines by eliminating extraneous flow in the system and							
POPULATION	4154							
Altoona City Auth - Westerly WWTF BNR Upgrades 20 Greenwood Road Altoona, PA 16602	COUNTY: Blair	I:	\$0	IVA:	\$0	PROJECT NO.:	CS422750-01	
	REGION: SC	II:	\$25,800,00	IVB:	\$0	PROJ. TYPE:	STPMOD	
	NPDES:	IIIA:	\$0	V:	\$0	PROJECT RATING:	20	
			\$0	ELIG:	\$25,800,000	PROJECT RANKING:	58 of 98	
PROB	New permit discharge limits to comply with the Chesapeake Bay Initiative have been implemented by PADEP. The BNR upgrades and additions will allow the Altoona City Authority to comply with the new PADEP NPDES Permit discharge limits for Nutrient Removal and Chesapeake Bay Initiative and adequately handle and treat wet weather flows which have historically burdened the facility and overall treatment capabilities.							
PROJ	Proposed upgrades and additions will increase plant capacity to handle wet weather flows and allow the Altoona City Authority to comply with new discharge limits for nitrogen and phosphorus mandated by PADEP to comply with the Chesapeake Bay Initiative							
POPULATION	54014							

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APPLICANT INFORMATION			NEEDS			PROJECT
Cresson Boro MA - Wastewater Collection System Improvements 631 Second Street Cresson, PA 16630	COUNTY: Cambria REGION: SW NPDES:	I: \$0 II: \$0 IIIA: \$3,450,000	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$3,450,000	PROJECT NO.: CS422775-01 PROJ. TYPE: SS PROJECT RATING: 20 PROJECT RANKING: 59 of 98		
PROB	Excessive infiltration/inflow in the Borough's sewer system is causing raw sewage overflows at the main pump station.					
PROJ	Replacement of 19,285 lineal feet of sanitary sewers ranging from 8" to 24" in diameter.					
POPULATION	1631					
Apollo Boro - Sewer Separation Project 616 First Street, P.O. Box 306 Apollo, PA 15613	COUNTY: Armstrong REGION: SW NPDES:	I: \$0 II: \$0 IIIA: \$0 \$0	IVA: \$0 IVB: \$0 V: \$7,044,510 ELIG. \$7,044,510	PROJECT NO.: CS422778-01 PROJ. TYPE: SS PROJECT RATING: 20 PROJECT RANKING: 60 of 98		
PROB	Apollo Borough is currently served by combined sewers with 5 combined sewer overflows that discharge to the Kiskiminetas River during rain events. Current EPA rules require the Borough to limit bypassing from the system.					
PROJ	The Borough is proposing to separate its system by installing 39,000 linear feet of new sanitary sewers and converting the existing combined sewers into					
POPULATION	1765					

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APPLICANT INFORMATION		NEEDS				PROJECT
Williamsport City -CSO Compliance for the City of Williamsport CS 253 West Forth Street Williamsport, PA 17701	COUNTY: Lycoming REGION: NC NPDES:	I: \$0 II: \$0 III: \$0 IV: \$0	IVA: \$0 IVB: \$0 V: \$9,700,000 ELIG. \$9,700,000	PROJECT NO.: CS422799-01 PROJ. TYPE: CSO PROJECT RATING: 19 PROJECT RANKING: 61 of 98		
PROB	Williamsport has a combined system as in under EPA order for corrective action.					
PROJ	The project includes purchase of property, demolition of existing buildings on the property and construction of a 1.5 million gallon storage tank, including piping and a pump station required to convey combined sewer flows to the storage tank, as well as improvements to one of the WSA's CSO chambers.					
POPULATION	30706					
Lawrence Twp - Sanitary Sewer Improvements Phase 2 George Street P.O. Box 508 Clearfield, PA 16830	COUNTY: Clearfield REGION: NC NPDES:	I: \$0 II: \$0 III: \$3,855,000 IV: \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$3,855,000	PROJECT NO.: CS422756-01 PROJ. TYPE: INT SS PROJECT RATING: 19 PROJECT RANKING: 62 of 98		
PROB	This project is required to satisfy a CO&A with the Department and will eliminated wet weather bypassing and basement back-ups.					
PROJ	Install 25,740 L.F. of 10", 8", and 6" sanitary sewer lines, manholes, laterals and building sewers.					
POPULATION	5418					

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APPLICANT INFORMATION		NEEDS			PROJECT	
Albion Boro - Wastewater Treatment Plant Improvements - CONSTRUCTION 26 Smock Avenue Albion, PA 16401	COUNTY: Erie REGION: NW NPDES:	I: \$6,012,752 II: \$1,012,248 III A: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$7,025,000	PROJECT NO.: CS422789-01 PROJ. TYPE: STPMOD PROJECT RATING: 19 PROJECT RANKING: 63 of 98		
PROB	The existing treatment plant experiences periodic organic overloads. During wet weather, high stream flow conditions combined with inadequate outfall capacity causes plant flows to back-up and flood the plant site. The plant site is also flooded by the adjacent stream. The existing plant facilities are approximately 30 years old and have deteriorated. The existing anaerobic digester is inoperable. The existing RBC units, bar screen, motor control center, blowers and other equipment need to be replaced to provide reliable operation. The deteriorated facilities and flooding have caused periodic effluent					
PROJ	The proposed project involves installing an additional RBC unit and secondary clarifier, as well as upgrading the existing RBC units, to increase organic capacity to handle existing and projected future loadings. Extensive repair work will be completed on the anaerobic digester including roof structure, heating system and piping. An effluent pumping system, new pressure outfall line and earthen dyke will be installed to minimize flooding of the plant site. The existing bar screen, motor control center, blowers and other equipment will be replaced. A new sludge pumping station will be constructed to improve sludge wasting capability and reliability. A computerized monitoring and control system will be installed to improve plant operations and					
POPULATION	0					

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APPLICANT INFORMATION		NEEDS			PROJECT	
Orbisonia-Rockhill Jt MA - Wastewater Treatment Plant Upgrade P.O. Box 346 Orbisonia, PA 17423	COUNTY: Huntingdon REGION: SC NPDES:	I: \$0 II: \$1,052,000 III: \$0 IV: \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$1,052,000	PROJECT NO.: CS422736-01 PROJ. TYPE: PS STPMOD PROJECT RATING: 19 PROJECT RANKING: 64 of 98		
PROB	The existing ORJMA wastewater system has experienced operational difficulties. High wet weather flows have required that the operators shut down the blowers to limit solids loss during these periods. The effluent is not sampled during these events, but it is assumed that the system is not meeting permit requirements during these periods. In addition to reduced treatment, raw sewage overflows have occurred at the equalization tank and at a manhole in the Rockhill Sewer District. ORJMA has also experienced several discharge violations over the past few years. Due to these factors, among other issues, the PA DEP has issued a connection ban for the ORJMA system. For all of these reasons, ORJMA completed an update of their sewage master plan (Act 537 Plan)					
PROJ	This plan, which was approved by the PA DEP, proposes an upgrade to the pump station discharge force main, and the installation of a Kruger double-ditch oxidation (D-ditch) wastewater treatment system.					
POPULATION	1177					
Gregg Twp MA - Wastewater Treatment Plant Improvement Project P.O. Box 192 Allenwood, PA 17810	COUNTY: Union/Lycomin REGION: NC NPDES:	I: \$3,896,640 II: \$1,515,360 III: \$0 IV: \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$5,412,000	PROJECT NO.: CS422758-01 PROJ. TYPE: STP PROJECT RATING: 19 PROJECT RANKING: 65 of 98		
PROB	The Pennsylvania Department of Environmental Protection ("DEP") has adopted a Chesapeake Bay Tributary Strategy which requires the implementation of new annual cap loadings for total nitrogen (TN) and total phosphorous (TP) for GTMA's wastewater treatment plant ("WWTP"). Increase capacity for Great Streams Commons (GSC) Business Park's proposed wastewater flow of an additional 300,000 gallons per day (gpd)					
PROJ	The Project consists of the addition of two new Sequencing Batch Reactors (SBR's) to the existing two. The addition of the two additional SBR's will allow GTMA to meet the CAP loads contained in the draft NPDES permit. Furthermore, the additional SBR's will provide the capacity needed to account for all Act 537 planned flows. The Project will also dramatically increase safety and redundancy at the WWTP.					
POPULATION	851					

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APPLICANT INFORMATION		NEEDS				PROJECT	
Lehigh Cty Auth - Iron Run Pump Station and Force Main 1053 Spruce Street P.O. Box 3348 Allentown, PA 18106	COUNTY: Lehigh REGION: NE NPDES:	I: \$0 II: \$0 III: \$0 III A: \$0	IV: \$0 IVB: \$11,500,000 V: \$0 ELIG: \$11,500,000			PROJECT NO.: CS422809-01 PROJ. TYPE: PS FM PROJECT RATING: 19 PROJECT RANKING: 66 of 98	
PROB	The pump station will provide supplemental transmission capacity for growing areas of western Lehigh County. Sewer system back-ups and overflows will be prevented or minimized. The project will provide relief capacities for growing populations and businesses in the area.						
PROJ	The proposed project is a 5.5 million gallons per day (MGD) Pumping Station and additional 19,600 feet of 20-inch force main to Lehigh County Authority's existing Western Lehigh Interceptor System. The pumping station will be located at/near the Authority's Wastewater Treatment Plant at 7676 Industrial Boulevard, Allentown with the force main extending through Upper and Lower Macungie Townships to a connection point near the intersection						
POPULATION	15000						
Lake City MSA - RBC Replacement 2350 Main Street Lake City, PA 16423	COUNTY: Erie REGION: NW NPDES:	I: \$1,427,200 II: \$0 III: \$0 III A: \$0	IV: \$0 IVB: \$0 V: \$0 ELIG: \$1,427,200			PROJECT NO.: CS422783-01 PROJ. TYPE: STPMOD PROJECT RATING: 19 PROJECT RANKING: 67 of 98	
PROB	The Phase 2 project (Wastewater Treatment Plant Renovations) will encompass the construction of raw sewage pump station and influent force main, pretreatment facilities, flow equalization tanks, activated sludge basin modifications, clarification tanks and associated facilities, chlorine contact tank, aerobic sludge digesters, existing control building alterations, plant control and monitoring system, and various additions/modifications to existing piping						
PROJ	Replacement of existing RBCs with similar models - There are eight total RBCs: two trains in a series of four units each. The media on each unit is 26'-0" in length and 11'-8" in diameter, with 100,000 square feet of media on each unit (except the final unit in each train has 150,000 square feet of media). The wastewater treatment plant has a hydraulic capacity of 0.99 million gallons per day and an organic capacity of 1,000 pounds per day.						
POPULATION	3126						

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APPLICANT INFORMATION			NEEDS				PROJECT	
Mount Pocono MA - Route 940 Pump 303 Pocono Boulevard Mount Pocono, PA 18344	COUNTY: Monroe REGION: NE NPDES:		I: \$0 II: \$0 III: \$0 III A: \$0	IV: \$580,000 IVB: \$0 V: \$0 ELIG: \$580,000		PROJECT NO.: CS422729-01 PROJ. TYPE: PS PROJECT RATING: 19 PROJECT RANKING: 68 of 98		
PROB								
PROJ								
POPULATION	874							
New Oxford MA - Wastewater Treatment Plant Upgrade 124 North Peters Street New Oxford, PA 17350	COUNTY: Adams REGION: SC NPDES:		I: \$3,000,000 II: \$0 III: \$0 III A: \$0	IV: \$0 IVB: \$0 V: \$0 ELIG: \$3,000,000		PROJECT NO.: CS422737-01 PROJ. TYPE: STPMOD PS PROJECT RATING: 18 PROJECT RANKING: 69 of 98		
PROB	New Oxford Municipal Authority was issued an NPDES permit containing annual loads for Total Nitrogen (TN) and Total Phosphorus (TP) under DEP's Chesapeake Bay requirements. The Authority's WWTP cannot currently meet the TN annual cap load and must upgrade its WWTP to comply with the TN cap load. In addition, other portions of the WWTP require upgrading to maintain the level of treatment necessary to meet effluent permit limitations.							
PROJ	Upgrade necessary for 1.788 MGD NOMA WWTP for NPDES permit compliance. Annual cap loads for TN and TP in NPDES permit are 35,057 Lbs/Year and 4,354 Lbs./Year, respectively. Existing WWTP discharges 75,500 Lbs/Year TN and 3,000 Lbs/Year TP. Therefore, NOMA must be able to remove an additional 40,500 Lbs/Year TN.							
POPULATION	5139							

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APPLICANT INFORMATION		NEEDS				PROJECT	
East Stroudsburg Boro - Wastewater Collection System Improvements 24 Analomink Street East Stroudsburg, PA 18301	COUNTY: Monroe REGION: NE NPDES:	I: \$0 II: \$0 IIIA: \$0 IV: \$0	IVA: \$1,245,000 IVB: \$0 V: \$0 ELIG. \$1,245,000		PROJECT NO.: CS422812-01 PROJ. TYPE: INT SS PROJECT RATING: 18 PROJECT RANKING: 70 of 98		
PROB	Sewer trunk line contains multiple areas of water intrusions, sags in the pipe and portions that have moved from their original alignment. These problems are resulting in a deterioration in water quality ro the Brodhead Creek Watershed. I/I problems exist Ridgeway Street						
PROJ	Braeside Avenue - The Borough of East Stroudsburg proposes the installation and relocating of eight (8) manholes, approximately 995 linear feet of 24-inch SDR 35 sewer main (from 18-inch RCP) and approximately 187 linear feet of 8-inch SDR 35, while stabilizing the disturbed areas to pre-construction conditions. Ridgeway Street - The proposed improvements consist of removing and replacing, in place, approximately 1,125 linear feet of 8" PVC sewer main, four (4) manholes, approximately twenty (20) sewer laterals and pavement replacement. The road surface will be re-surfaced to						
POPULATION	10000						
East Berlin Area Jt Auth - Sewage Facility Improvements 128 Water Street East Berlin, PA 16877	COUNTY: Adams REGION: SC NPDES:	I: \$7,495,000 II: \$0 IIIA: \$0 IV: \$0	IVA: \$620,000 IVB: \$965,000 V: \$0 ELIG. \$9,080,000		PROJECT NO.: CS422743-01 PROJ. TYPE: STP PS SS PROJECT RATING: 19 PROJECT RANKING: 71 of 98		
PROB	The existing plant is 55 years old and organically overloaded per DEP. The old technology is unable to meet new permit limits, and the equipment is in danger of failing. A dated pumping station will also be taken out of service by installing gravity sewer; Failing On-Lot systems exist.						
PROJ	The project includes constructing a 243,000 gallon per day wastewater treatment plant (in place of the existing 55-year old 150,000 gallon per day plant) and approximately 6000 linear feet of trunk sewers.						
POPULATION	1426						

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APPLICANT INFORMATION		NEEDS				PROJECT
Philadelphia City - Wastewater Treatment Plants Improvements 1101 Market Street, 4th Floor Philadelphia, PA 19107	COUNTY: Philadelphia	I: \$0	II: \$26,440,53	III: \$0	IV: \$0	PROJECT NO.: CS422798-01
	REGION: SE				IVB: \$0	PROJ. TYPE: STPMOD
	NPDES:				V: \$0	PROJECT RATING: 17
					ELIG. \$26,440,535	PROJECT RANKING: 72 of 98
PROB	The Philadelphia Water Department is responsible for treating the wastewater from within the Philadelphia city limits and portions of the surrounding counties totaling 360 square miles. This is accomplished by PWD operating three wastewater treatment plants. On an average daily basis, the wastewater treatment plants treat a combined 475.7 million gallons of wastewater. The equipment at each of these plants has a defined life span whereby the increased maintenance costs make repair not a viable financial option. In some cases the process is antiquated and the replacement equipment will					
PROJ	The project is comprised of 8 sub-projects totaling 10 individual contracts for the improvement and rehabilitation work at the three wastewater treatment plants and process supporting site, namely dock work for the sludge barges. This project will create 414 Pennsylvania resident jobs. As part of this project, PWD will be installing new more energy efficient sludge pumps and hydrogritters at the Southeast and Northeast Plants respectively. It is expected that this project will result in a reduction of the Plants' energy consumption.					
POPULATION	50000					
Delaware Cty Reg Wtr Qual Control Auth - Chester Force Main Replacement 100 East Fifth Street Chester, PA 19016	COUNTY: Chester	I: \$0	II: \$0	III: \$0	IV: \$0	PROJECT NO.: CS422813-01
	REGION: SE				IVB: \$28,649,720	PROJ. TYPE: SSREH
	NPDES:				V: \$0	PROJECT RATING: 17
					ELIG. \$28,649,720	PROJECT RANKING: 73 of 98
PROB	The existing Chester Force Main (CFM) is a 48-inch diameter pre-stressed concrete cylinder pipe (PCCP) constructed in 1975. Typical failures of PCCP typically occur due to one or more of the following reasons: the pre-stressing wires lose their pre-stress tension, breaks in the windings caused by corrosion or embrittlement of the wires, or corrosion of the steel cylinder due to hydrogen sulfide attack. Also, over the past few years DELCORA has made several repairs to the CFM in multiple locations due to varying circumstances.					
PROJ	This project will replace 13,500 lf of PCCP with a 54" ductile iron pipe.					
POPULATION	50000					

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APPLICANT INFORMATION		NEEDS			PROJECT	
Gtr Hazleton Jt SA - Sewer System and WWTP Improvement Projects P.O. Box 651 Hazleton, PA 18201	COUNTY: Luzerne REGION: NE NPDES:	I: \$0 II: \$26,520,54 III: \$0 III: \$0	IVA: \$0 IVB: \$5,479,452 V: \$0 ELIG: \$32,000,000	PROJECT NO.: CS422793-01 PROJ. TYPE: STPMOD PS PROJECT RATING: 17 PROJECT RANKING: 74 of 98		
PROB	CSO problems, pump stations have deteriorated and NPDES permit includes new nutrient limitations for nitrogen and phosphorus					
PROJ	The GHJSA intends to undertake several wastewater facility rehabilitation and improvement projects to keep its facilities in good working order, address existing operational problems, and ensure compliance with NPDES Permit requirements and other environmental improvement commitments. The projects to be included in the PENNVEST funding request include sanitary sewer system improvements to pumping stations and improvements at the GHJSA including preliminary and primary treatment facility improvements, upgrades to the biological treatment facilities to meet new nitrogen and phosphorus discharge limits, improvements to the hauled waste receiving facility, sludge holding facility upgrades, installation of monitoring and control devices at the wastewater treatment plant, and electrical and HVAC rehabilitation to bring existing facilities up to code.					
POPULATION	51268					
Philadelphia City - Sewer Piping 1101 Market Street, 4th Floor Philadelphia, PA 19107	COUNTY: Philadelphia REGION: SE NPDES:	I: \$0 II: \$0 III: \$0 III: \$33,381,68	IVA: \$0 IVB: \$40,000,000 V: \$5,000,000 ELIG: \$78,381,683	PROJECT NO.: CS422804-01 PROJ. TYPE: SSREH INT CSO PROJECT RATING: 17 PROJECT RANKING: 75 of 98		
PROB	The wastewater collection system within Philadelphia averages over 130 years and is experiencing breaks and collapses which negatively impacting collection and cause serious health and safety issues. These problems also causes basement flooding, backups and Inflow and Infiltration. The projects in this application will allow for the reconstruction of most structurally distressed piping (approximately 95 blocks sewers).					
PROJ	This project represents about 3.8 miles of traditional sewer pipe replacement ranging in size from 10" dia to 60" dia., a 12850 LF sewer relief project ranging in size from 54" dia. to around 7400 LF of 14' by 8' box sewer, and 4.2 miles of cost efficient sewer lining work thereby reducing the overall amount of street disruption and replacement. This project will create 1327 Pennsylvania resident jobs.					
POPULATION	50000					

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APPLICANT INFORMATION			NEEDS			PROJECT
York City - Arch Street Interceptor 50 West King Street York, PA 17401	COUNTY: York REGION: SC NPDES:	I: \$0 II: \$0 III A: \$0	IV A: \$0 IV B: \$1,656,250 V: \$0 ELIG: \$1,656,250	PROJECT NO.: CS422733-01 PROJ. TYPE: STPMOD INTREH PROJECT RATING: 16 PROJECT RANKING: 76 of 98		
PROB	The interceptor currently experiences increased flows related to the inflow and infiltration of groundwater and storm water into the service area.					
PROJ	This project will replace 105 year-old terra cotta pipe that is in very poor condition.					
POPULATION	42000					
Central Wayne Reg Auth - Wastewater Treatment Plant Upgrade 100 4th Street Suite 8 Honesdale, PA 18431	COUNTY: Wayne REGION: NE NPDES:	I: \$18,000,00 II: \$0 III A: \$0	IV A: \$0 IV B: \$0 V: \$0 ELIG: \$18,000,000	PROJECT NO.: CS422716-01 PROJ. TYPE: STP PROJECT RATING: 16 PROJECT RANKING: 77 of 98		
PROB	Chronic Hydraulic/Organic Overload of circa 1959 wastewater treatment facility, with periodic NPDES DMR violations. This affects the The Lackawaxen River which is a tributary to the Delaware River a few miles above the Delaware River National Recreation Area.					
PROJ	Wastewater Treatment Plant Upgrade from 1.18 MGD Trickling Filter treatment plant to 2.2 MGD SBR treatment plant.					
POPULATION	7000					

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APPLICANT INFORMATION			NEEDS			PROJECT
Central Delaware Cty Auth - Crum Creek Interceptor Improvements 212 B Unity Terrace Rutledge, PA 19070	COUNTY: Delaware REGION: SE NPDES:	I: \$0 II: \$0 IIIA: \$0 IV: \$0	IVA: \$0 IVB: \$18,765,600 V: \$0 ELIG. \$18,765,600	PROJECT NO.: CS422790-01 PROJ. TYPE: INT PROJECT RATING: 16 PROJECT RANKING: 78 of 98		
PROB	This program will address capacity issues the Crum Creek Interceptor will have dealing with the possible addition of Newtown, Edgemont, and Upper Providence Townships to the CDCA. It will also deal with infiltration and inflow problems along the same interceptor.					
PROJ	The proposed project entails the rehabilitation and replacement of the following: 3,621 LF of 12" pipe 1,397 LF of 14" pipe 2,562 LF of 18" pipe 6,640 LF of 24" pipe 1,761 LF of 30" pipe 4,978 LF of 33" pipe 11,181 LF of 36" pipe 3,445 LF of 42" pipe Total: 35,585 LF of pipe Inflow and Infiltration problems will be solved using Cured in Place Pipe Slip Lining of the existing pipe. This innovative construction technique relines and seals a deteriorated pipe section without excavation. This project is expected to create a total of 102 construction related jobs, and of these more than 80 positions is expected					
POPULATION	34000					
Pine Creek MA - WWTP Upgrade P.O. Box 608 Avis, PA 17721	COUNTY: Clinton REGION: NC NPDES:	I: \$0 II: \$9,366,000 IIIA: \$0 IV: \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$9,366,000	PROJECT NO.: CS422795-01 PROJ. TYPE: STPMOD PROJECT RATING: 16 PROJECT RANKING: 79 of 98		
PROB	This project will address four problems for PCMA: insufficient treatment capacity, insufficient treatment ability, correction of operational problems and alleviation of potential structural problems.					
PROJ	Construct a new 1.6 MGD SBR treatment plant with energy efficient pumps and blowers utilizing UV disinfection.					
POPULATION	5821					

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APPLICANT INFORMATION		NEEDS			PROJECT	
Harrisburg Auth - Wastewater Treatment Facility Improvements Front and Market Streets, Ste 104 Harrisburg, PA 17101	COUNTY: Dauphin REGION: SC NPDES:	I: \$7,400,000 II: \$0 III: \$0 IV: \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$7,400,000	PROJECT NO.: CS422802-01 PROJ. TYPE: STPMOD PROJECT RATING: 14 PROJECT RANKING: 80 of 98		
PROB	The Authority's treatment facility has been serving the Harrisburg area, and thereby improving local water quality, for decades. In order for the plant to maintain advanced levels of treatment, routine improvements and equipment replacement are necessary. PENNVEST funding is requested to replace dewatering equipment and grit removal equipment that has reached the end of its useful life; reduce the amount of potable water consumed at the Resource Recovery Facility; remove discarded equipment that contains asbestos and takes up needed space; replace/rehabilitate components of the Authority's Alternative Energy System; and insure the chlorine contact tanks achieve proper disinfection when water level in the Susquehanna River is					
PROJ	Improvements to the 37.7 MGD treatment facility will include upgrades focusing on asset management, reusable energy and improving efficiency. Specifically this project includes upgrades to the dewatering and grit systems, demolition of the sludge incinerator, modifications to the walls of the chlorine contact tanks, upgrades to the effluent reuse facilities, replacement of the digester high pressure gas line, and rehabilitation of both the biogas					
POPULATION	125000					
Sellersville Boro - Washington Ave. Sanitary Sewer Replacement Project 140 East Church Street Sellersville, PA 18960	COUNTY: Bucks REGION: SE NPDES:	I: \$0 II: \$0 III: \$0 IV: \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$397,961	PROJECT NO.: CS422718-01 PROJ. TYPE: SS PROJECT RATING: 14 PROJECT RANKING: 81 of 98		
PROB	The sewer piping in this section of Washington Ave. was built in the early 1900s. The sanitary sewer is made of vitrified clay pipe with 3' joints; it is cracked, leaks at joints, and is subject to infiltration. The 8" VCP sewer will be replaced with an 8" PVC sewer pipe.					
PROJ	Project will replace 1050' of sewer main, 46 sewer lateral connections, and 3 manholes.					
POPULATION	4564					

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APPLICANT INFORMATION					NEEDS			PROJECT
Antrim Twp MA - 2009 Sanitary Sewer and WWTP Improvements 10655 Antrim Church Road Greencastle, PA 17225	COUNTY:	Franklin	I:	\$0	IVA:	\$1,662,372	PROJECT NO.:	CS422749-01
	REGION:	SC	II:	\$0	IVB:	\$0	PROJ. TYPE:	SS STPMOD
	NPDES:		IIIA:	\$0	V:	\$0	PROJECT RATING:	13
				\$0	ELIG:	\$1,662,372	PROJECT RANKING:	82 of 98
PROB	The township is served by a sanitary sewer system that is composed of gravity sewers, lift stations and low pressure force mains. As part of the proposed Act 537 Plan, many improvements for the existing system were recommended. This project proposes implementating those recommendations.							
PROJ	Antrim Township Municipal Authority is attempting to reduce inflow and infiltration in there sanitary sewer collection system. The sewer lining project focuses this reduction in the collections systems tirbutary to Lift Stations 11 and 13. The Lift Station 4 elimination permits the Authority to reduce the number of lift stations which need to be operated and maintained. The headworks projects removes additional biological materials from the screenings as well as dewatering the screenings. This permits the Authority to reduce the weight of the screenings for landfilling.							
POPULATION	11227							
Spring Creek Jt SA - Expansion and Upgrade of the WWTP P.O. Box 373 Three Spring, PA 17264	COUNTY:	Huntingdon	I:	\$0	IVA:	\$0	PROJECT NO.:	CS422805-01
	REGION:	SC	II:	\$2,300,000	IVB:	\$0	PROJ. TYPE:	STPMOD
	NPDES:		IIIA:	\$0	V:	\$0	PROJECT RATING:	13
				\$0	ELIG:	\$2,300,000	PROJECT RANKING:	83 of 98
PROB	Based on Chapter 94, the SCJSA WWTF is in a projected hydraulic overload status because its 3 month maximum hydraulic loading exceeds the desing capacity of 0.110 mgd. DEP required SCJSA to complee a Corrrrective Action Plan because of this which lead to the completion of an Act 537 plan and theis proposed project. In April 2003, phosphorous and nitrogen goals were set so that discharges would not exceed a certain capped limit.							
PROJ	Raw Wastewater Pumping Station Improvements - 3 new 7.5 HP raw sewage pumps and the installation of a new fine screen (replacing the existing basket screen and comminutor). Construct two (2) new Sequnecing Batch Reactors (each 30' x 30' x 19' deep). Construct new chlorination/dechlorination/post aeration tanks. Convert the existing 2 aeration tanks (60,000 gallons each) into aerobic digesters and reuse the existing raw sewage pumps as sludge transfer pumps. Construct 2 new 50' x 70' reed beds for sludge dewatering and storage for up to 10 years. Convert the existing sludge drying beds into a							
POPULATION	1020							

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APPLICANT INFORMATION		NEEDS				PROJECT	
Hampden Twp - Sewer Facility Improv Prj: PS 2, 6, 13 & Trindle Rd Extension 230 South Sporting Hill Road Mechanicsburg, PA 17055	COUNTY: Cumberland REGION: SC NPDES:	I: II: IIIA:	\$0 \$0 \$0 \$0	IVA: IVB: V: ELIG.	\$5,468,500 \$0 \$0 \$5,468,500	PROJECT NO.: CS422741-01 PROJ. TYPE: SS PS PROJECT RATING: 13 PROJECT RANKING: 84 of 98	
PROB	The pumping station replacements and upgrades are required for public health and safety to replace malfunctioning and outdated equipment, alleviate operation and maintenance problems, replace failing structures, eliminate hazardous working conditions and to provide increased capacity to handle projected peak wastewater flows. The sewer extension consists of construction of a new pumping station and gravity sewers to provide public sewer service to a predominately commercial/industrial area of the Township with malfunctioning on-lot systems.						
PROJ	The Project includes modification, upgrade and capacity expansion of three (3) individual wastewater pumping stations and the extension of public sanitary sewer service to an area of Trindle Road. The Trindle Road Extension consists of construction of approximately 6,905 lineal feet of 8-inch ductile iron gravity main, 3,100 lineal feet of 12-inch ductile iron gravity main and 350 lineal feet of 4-inch ductile iron force main. Existing Pumping Station 20 is to be abandoned and replaced by new Pumping Station 20 south of Trindle Road, with a capacity of approximately 86,000 gallons per day.						
POPULATION	27700						

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APPLICANT INFORMATION	NEEDS	PROJECT
Brokenstraw Valley Area Auth - 2009 Energy Efficiency Improvements P.O. Box 155 Youngsville, PA 16371	COUNTY: Warren REGION: NW NPDES: I: \$0 II: \$347,917 III: \$0 III A: \$487,083	IV: \$0 IVB: \$0 V: \$0 ELIG. \$835,000 PROJECT NO.: CS422788-01 PROJ. TYPE: STPMOD PSMOD PROJECT RATING: 13 PROJECT RANKING: 85 of 98
PROB	Relatively short term (15 + minutes) high flows create the need to operate 2 of the 3 pumps at PS #5. Both pumps run at 100% capacity resulting in high demand charges. The proposed Variable Frequency Drive (VFD) as well as more efficient pumps, will allow pumping rates (and associated demand charges) at PS #5 to be significantly reduced during periods of high flows. During periods of low flows (which are predominant) the pumping rates (and associated demand charges) at PS #5 & #6 can be significantly reduced. The more constant pumping at these stations will help alleviate odor problems at PS #5. The VFD operation will reduce the on/off cycling of the pumps resulting in a reduction in wear of equipment. Flows at the BVAA STP are significantly below design. The proposed projects at the STP will allow the blowers to operate at lower capacities to better match demand. The proposed increase in capacity of the blowers, in conjunction with the VFD control) will reduce the possibility of 2 blowers operating simultaneously at 100% capacity resulting in high demand charges. In addition, the SBR control scheme will integrate Flow Based Cycle Time (FBCT) operation. This will reduce energy requirements, improve effluent quality and reduce on/off cycles on both SBR equipment & even more significantly of the UV disinfection equipment. Cellular based SCADA monitoring systems will be installed at the STP, PS#5, PS#6 & PS#8 to allow the operator to monitor performance at these sites	
PROJ	The proposed improvements will be made at Pump Station #5 , Pump Station #6, Pump Station #8 and at the BVAA Sewage Treatment Plant. The cellular based SCADA systems will provide improved monitoring & reduced operator maintenance/monitoring time.	
POPULATION	3500	

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APPLICANT INFORMATION		NEEDS			PROJECT	
Huntingdon Boro - Wastewater Treatment Facility improvements 530 Washington Street Huntingdon, PA 16652	COUNTY: Huntingdon REGION: SC NPDES:	I: \$0 II: \$20,975,00 IIIA: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG: \$20,975,000	PROJECT NO.: CS422800-01 PROJ. TYPE: STPMOD PROJECT RATING: 12 PROJECT RANKING: 86 of 98		
PROB	Compliance with Chesapeake Bay Tributary Strategy requirements, replacement of 45-year old equipment and technology, development of a Class A					
PROJ	Installation of improvements to a 4 MGD wastewater treatment facility to reduce total nitrogen and total phosphorus to equivalent concentrations of 6.0 mg/l TN and 0.8 mg/l TP. Development of a Class A biosolids product.					
POPULATION	9810					
Bedford Boro MA - Wastewater Treatment Plant Upgrade 244 West Penn Street Bedford, PA 15522	COUNTY: Bedford REGION: SC NPDES:	I: \$0 II: \$9,900,000 IIIA: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG: \$9,900,000	PROJECT NO.: CS422748-01 PROJ. TYPE: PROJECT RATING: 11 PROJECT RANKING: 87 of 98		
PROB	The proposed upgrades to the WWTP shall improve operations and comply with more stringent effluent nutrient regulations set forth by the Chesapeake Bay Tributary Strategy.					
PROJ	Headworks: Construction of a new 27' X 40' building. Nutrient Reduction Infrastructure: Construction of four SBR. Construction of a new 50' inside diameter primary digester, 26 X 51' digester control house, 26' X 49' sludge process building, replacement of two digester covers, construction of a 20' X 37' UV disinfection building, construction of a 50' X 50' bio-filter and related piping improvements.					
POPULATION	4250					

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APPLICANT INFORMATION		NEEDS			PROJECT	
Masontown MA - Big Run STP and Cat's Run STP Sludge Disposal Process 2 Court Avenue Masontown, PA 15461	COUNTY: Fayette REGION: SW NPDES:	I: \$645,000 II: \$0 III A: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$645,000	PROJECT NO.: CS422768-01 PROJ. TYPE: STPMOD PROJECT RATING: 11 PROJECT RANKING: 88 of 98		
PROB	Masontown's Big Run and Cat's Run sewage treatment plants dispose of their sludge in liquid form which is ineffective and expansive.					
PROJ	A 44,000 gallon digester and sludge drying beds will be installed at the Cat's Run STP. Sludge drying beds will also be installed at the Big Run STP along with a small pump station to pump the sludge from the existing digester.					
POPULATION	4250					
Saint Clair Sewer Authority - WWTP Improvements Project 16 South Third Street Saint Clair, PA 17970	COUNTY: Schuylkill REGION: NE NPDES:	I: \$2,600,000 II: \$0 III A: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$2,600,000	PROJECT NO.: CS422726-01 PROJ. TYPE: STPMOD PROJECT RATING: 10 PROJECT RANKING: 89 of 98		
PROB	The problems to be alleviated include the following: • Plant personnel safety issues caused by damaged concrete/mechanical items • Odor issues caused by non-working sludge handling items • Reduction of solids washout during wet weather • Potential for not meeting effluent parameters caused by failing equipment/difficulty in getting replacement parts • Reduced efficiency of outdated equipment • Reduction in overall energy use • Reduction of sludge to be landfilled or disposed of due to production of Class A biosolids • Reduction of solids disposal limitations due to ability to recycle/re-use sludge end					
PROJ	Specific items to be addressed through this project include: • the addition of sludge transfer pumps, • installation of a rotary press, • installation of a sludge dryer, • building improvements, • replacement of the motor control center, • piping changes, • rehabilitation of digesters, • concrete repairs, • replacement of clarifier mechanical equipment, • replacement of blowers.					
POPULATION	4700					

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APPLICANT INFORMATION	NEEDS	PROJECT
DuBois City - Orange Alley, Parkway Drive Wastewater 16 West Schribner Avenue Dubois, PA 15801	COUNTY: Clearfield REGION: NC NPDES:	PROJECT NO.: CS422709-01 PROJ. TYPE: INT PROJECT RATING: 10 PROJECT RANKING: 90 of 98
	I: \$0 II: \$0 III: \$0 IV: \$0	IV: \$0 V: \$0 ELIG. \$3,250,000
PROB	infiltration and inflow resulting in plant overload and system surcharges. Environmental benefits include eliminating the discharge of insufficiently treated sewage to the community's waterways during wet weather.	
PROJ	replacement of approximately 7500 LF with 36" main sewer and manholes.	
POPULATION	12123	
Mount Carmel MA - Wastewater Treatment Plant 121South Oak Street Mt Carmel, PA 17851	COUNTY: Northumberland REGION: NC NPDES:	PROJECT NO.: CS422794-01 PROJ. TYPE: STP PROJECT RATING: 9 PROJECT RANKING: 91 of 98
	I: \$13,636,41 II: \$5,303,049 III: \$0 IV: \$0	IV: \$0 V: \$0 ELIG. \$18,939,460
PROB	Plant being replaced to address safety issues along with increasing treatment quality and quantity.	
PROJ	The Project generally consists of the following: Consturction of a new wastewater treatment plant sized for 2.25 mgd average flow and 12.5 mgd peak flow. The plant will also meet the Chesapeake Bay requirements for nitrogen and phosphorus. The plant will contain screening and grit removal, an influent pump station, an ICEAS sequncing batch reactor process, sludge thickening, aerobic digestion, and uv disinfection.	
POPULATION	8760	

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APPLICANT INFORMATION			NEEDS			PROJECT
Kulpmont-Marion Hts Jt MA - Misc Sewer Rehabilitation and Replacement Project P.O. Box 126 Kulpmont, PA 17834	COUNTY: Northumberland REGION: NC NPDES:	I: \$0 II: \$0 IIIA: \$1,200,000 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$1,200,000	PROJECT NO.: CS422757-01 PROJ. TYPE: SS PROJECT RATING: 8 PROJECT RANKING: 92 of 98		
PROB	Kulpmont-Marion Height Joint Municipal Authority is required to make yearly improvements to the sewer system in an effort to reduce inflow and infiltration. This project prosed to lining and replace existing deteriorated sanitary sewer pipe.					
PROJ	This project replaces and rehabilitates sewer lines and manholes within the collection system.					
POPULATION	3773					
Ridley Twp - Sanitary Sewer 100 East MacDade Boulevard Folsone, PA 19033	COUNTY: Delaware REGION: SE NPDES:	I: \$0 II: \$0 IIIA: \$3,357,500 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$3,357,500	PROJECT NO.: CS422791-01 PROJ. TYPE: SSREH PROJECT RATING: 7 PROJECT RANKING: 93 of 98		
PROB	The sanitary sewer collection system is over 50 years old and is subject to inflow/infiltration.					
PROJ	30,000 linear feet of 8 inch, 1,500 linear feet of 10 inch, and 150 linear feet of 12 inch sanitary sewer will be lined. In addition to the sewer line rehabilitation, 150 manholes will either be repaired or replaced.					
POPULATION	0					

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APPLICANT INFORMATION		NEEDS			PROJECT	
Eddystone Boro - Sanitary Sewer Improvements 1410 Market Street Linwood, PA 19061	COUNTY: Delaware REGION: SE NPDES:	I: \$0 II: \$0 IIIA: \$2,740,000 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$2,740,000	PROJECT NO.: CS422721-01 PROJ. TYPE: I/I PROJECT RATING: 7 PROJECT RANKING: 94 of 98		
PROB	The average age of the sanitary sewer collection system is over 60 years old and is subject to excessive inflow and infiltration.					
PROJ	Manhole replacement and or repair, reline 16,640LF OF 8" pipe, reline 4,230 LF of 10" pipe reline 350LF OF 12" pipe, reline 1,370LF of 15" pipe, reline 710 LF of 18" pipe, reline 1,190 LF of 20" pipe, reline 580 LF of 24" pipe.					
POPULATION	2400					
Lower Chichester Twp - Sanitary System Improvements 1410 Market Street Linwood, PA 19061	COUNTY: Delaware REGION: SE NPDES:	I: \$0 II: \$0 IIIA: \$3,456,000 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$3,456,000	PROJECT NO.: CS422720-01 PROJ. TYPE: I/I PROJECT RATING: 7 PROJECT RANKING: 95 of 98		
PROB	The average age of the sanitary sewer system is over 50 years old and is subject to excessive Inflow/Infiltration (I&I).					
PROJ	Repair or replace 143 manholes. Reline 30,525 LF of 8" pipe. Reline 2,036LF of 10" pipe, reline 154LF of 12" pipe.					
POPULATION	30791					

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APPLICANT INFORMATION		NEEDS			PROJECT
Little Washington WW Co - Washington Park Wastewater Improvements 762 West Lancaster Avenue Bryn Mawr, PA 19010	COUNTY: Wyoming REGION: NE NPDES:	I: \$1,075,000 II: \$0 III: \$0 \$110,000	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$1,185,000	PROJECT NO.: PR000045-01 PROJ. TYPE: STPMOD SSREH PROJECT RATING: 0 PROJECT RANKING: 96 of 98	
PROB	LWWC will make these improvements to resolve the following problems: 1. Lack of valid NPDES permit. 2. Violations of Section 201 and 202 of the Clean Streams law. 3. Violation of NPDES limits on daily maximum/monthly average effluent for Fecal Colifom, Total Residual Chlorine, Total Suspended Solids, and Carbonaceous BOD. 4. Overflows of raw sewage to the receiving stream during significant rainfall events. 5. Unsafe conditions for treatment				
PROJ	Private Project - The proposed project involves the construction of two new treatment trains, with a capacity to treat 0.050 MGD (each treatment train can treat 0.025 MGD). The project also involves sewer rehabilitation to reduce infiltration/inflow and to reduce excessive storm flows to the system.				
POPULATION	400				
PA American Wtr Co - Blue Mountain Lake WWTP Upgrade 800 West Hershey Park Drive Hershey, PA 17033	COUNTY: Monroe REGION: NE NPDES:	I: \$3,100,000 II: \$0 III: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$3,100,000	PROJECT NO.: PR000046-01 PROJ. TYPE: STPMOD PROJECT RATING: 0 PROJECT RANKING: 97 of 98	
PROB	The existing Blue Mountain Lake STP has been in service for over 20 years, and its main components have reached the end of their useful life. The project will improve both the wastewater treatment reliability and the effluent quality.				
PROJ	Private Project - The project includes the upgrade/replacement and expansion of an existing 135,000 gpd RBC wastewater treatment plant that is at the end of its useful life with a 2-tank (parallel train) 183,333 gpd SBR plant. The STP serves 710 existing connections and will serve about 359 proposed connections. The service area includes Blue Mountain Lake residential development and four additional adjacent developments.				
POPULATION	2500				

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APPLICANT INFORMATION		NEEDS			PROJECT	
DelGrosso Foods - Sewage Pretreatment Facility P.O. Box 337, Route 220 Tilton, PA 16684	COUNTY: Blair REGION: SC NPDES:	I: \$617,250 II: \$0 IIIA: \$0 \$0	IVA: \$0 IVB: \$0 V: \$0 ELIG. \$617,250	PROJECT NO.: PR000047-01 PROJ. TYPE: STP PROJECT RATING: 0 PROJECT RANKING: 98 of 98		
PROB	Industrial waste discharges from the plant are to be treated to modify the wastewater characteristics including pH, BOD,FOG and suspended solids. The Northern Blair County Regional Sewer Authority, who owns the collection system, and the Borough of Tyrone, who owns and operates the wastewater treatment plant each have placed limits on the volume and contents of the waste discharged from the sauce plant. Note only the industrial discharge will be treated; the domestic waste discharge will pass untreated to the sanitary sewer system.					
PROJ	Private Project - A new collection line consisting of 600 L.F. of 8" PVC pipe and 5 new manholes will be installed. A pH measuring and controll system will be installed. An 8 X 13 sump will be installed which includes coarse and fine screens and pumping apparatus. A 20,000 gallon holding an mixing tank will be installed. An oil absorbtion apparatus will be installed along with discharge pumps.					
POPULATION	0					