

Recipient Name	Recipient Type	Recipient State/Territory	Federal Formula Program	Recipient DUNS Number	Recovery Act Funds Allocated	Recovery Act Funds Obligated	Recovery Act Funds Outlaid	Number of Projects Put Out to Bid
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	155237800	176727530	6554335.18	85

Recovery Act Funds Associated with Projects Put Out to Bid	Number of Projects Under Contract	Recovery Act Funds Associated with Projects Under Contract	Number of Projects in Which Work Has Begun	Recovery Act Funds Associated with Projects in Which Work Has Begun	Number of Projects in Which Work Has Been Completed	Recovery Act Funds Associated with Completed Projects	Number of Direct, On-Project Jobs Created or Sustained by Recovery Act Funds	Total Job Hours Created or Sustained by Recovery Act Funds
176407530	57	129499827	41	102592700	0	0	223.1	75124.3

Total Payroll of Job Hours Created or Sustained by Recovery Act Funds	Aggregate Expenditure from State Sources for Projects Eligible for Funds Under the Federal Formula Program during the Period from 2/17/09 through this Reporting Period	Amount of Funds Recipient Planned to Spend as of 2/17/09 from State Sources for Projects Eligible for Funding Under the Federal Formula Program During the Period from 2/17/09 through 9/30/10	Any Decrease (From the Previous Column) in the Amount of Funds the Recipient Plans to Spend from State Sources for Projects Eligible for Funding Under the Federal Formula Program During the Period from 2/17/09 through 9/30/10
1924816.02	1977580.47	172554977	-7800000

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Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Allegheny Cty San Auth - ALCOSAN Capital Improvements Program 2009
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Ambridge Boro MA - Phase 2 Consent Order Projects
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Apollo Boro - Sewer Separation Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Armstrong Conserv District - Water Improvement
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Arona Boro - Sanitary Sewer Collection System
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Bangor Boro Auth - Sewer Main Rehabilitation
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Bedford Boro MA - Wastewater Treatment Plant Upgrade

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Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Blairsville MA - Southern Indiana Co. Regional Sewerage Improvements
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Botanic Garden of Western PA - Botanic Garden Irrigation Ponds
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Chesapeake Bay Foundation, Inc. - Riparian Forest Buffers & Ag BMPs to Improve Water Quality
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Chester Cty Conserv District - Brandywine Christina Stormwater BMPs - Agriculture and Urban
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Chester Cty Conserv District - Octoraro/Elks/Northeast AG BMPs
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Connellsville MA - Combined Sewer Separation Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Cresson Boro MA - Wastewater Collection System Improvements

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Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Dale Boro - Sewer Separation Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	DELCORA Collection System Improvement Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	East Berlin Area Jt Auth - Sewage Facility Improvements
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	East Conemaugh Boro - Combined Sewer Separation
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	East Franklin Twp - Sanitary Sewerage System
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	East Penn Twp (Carbon Cty) - Sanitary Sewer
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Erie County Conserv District - rural road stormwater improvements

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Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Everett Hardwood Business Park - Boro Brownfield Stormwater Management
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Factoryville Boro - Factoryville and Clinton Township Municipal Park Green Parking Lot Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Ferguson Twp - Dirt & Gravel Road Enviornmental Innovative
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Foxburg Sewage Treatment Plant Expansion & Sewer Lines Upgrade
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Frackville AMA - Biosolids Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Friends of the Pittsburgh Urban Forest - City of Pbgh Parking Lot Landscaping Initiative
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Galeton Boro Auth - Sewer Separation and Rehabilitation

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Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Gettysburg MA - Inflow house inspections and rain barrel program
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Gratz Boro MA - New Wastewater Treatment Facility
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Greensboro Monongahela Twp Jt SA - Cabbage Flats/Mapletown SS Install & Sewage Treat Plant Upgrade
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Harrisburg Auth - Wastewater Treatment Facility Improvements
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Harrisburg City - Chestnut Street Combined Sewer Separation Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Huntingdon Boro - Wastewater Treatment Facility improvements
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Independence-Cross Creek Jt. Sewer Authority - Sanitary Sewer System

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Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Johnsonburg MA - Phase 2- Wastewater Treatment Plant Renovations
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Kittanning Boro MA - CSO Phases 2 and 5 Sewer Separation Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Lackawanna River Basin SA - Throop WWTP Nutrient Removal Upgrade and Capacity Expansion
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Lackawanna River Basin Sewer Authority Interceptor and CSO Improvements
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Lake Twp:Wesley Road and Bear Hollow Road Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Lehigh Cty - County Environmental Center
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Lehigh Cty Auth Flow Equalization Tank at LCA Wastewater Treatment Plant

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Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Lehigh Cty Conserv District - Lehigh/Northampton Stormwater BMP Demo Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Lower Lackawana Vly San Auth - Old Forge CSO Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Lower Lackawanna Vly San Auth - Avoca Borough Storm and Sanitary Separation Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Mahanoy City SA - Primary Screw Pump Replacement Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Meyersdale Boro - Sludge Removal and Sewer Rehabilitation Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Minersville SA - Sanitary Sewer Interceptor & WWTP Headworks & Piping Upgrade
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Monongahela City MA - Park Avenue Pump Station Replacement Project

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Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Mount Carmel MA - Wastewater Treatment Plant
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Mount Union MA - Milford Street/Liverpool Pump Station Sewer Replacement
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Neville Township- 2009 Forcemain Replacement
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	New Berlin MA - Renovations and Expansion of the Wastewater Treatment Facility
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	North Hopewell Twp - Dirt & Gravel Road Water Quality Improvements
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Norwich Twp - Wastewater Collection and Treatment Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Olyphant Boro - 2009 Olyphant Sanitary-Stormwater Separation Project

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Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Orbisonia-Rockhill Jt MA - Wastewater Treatment Plant Upgrade
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	PA Cleanways - The Cobbs Creek, West Philadelphia- Storm Water Mitigation Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	PA Environmental Council - OhioPyle Green Infrastructure Projects
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	PA Horticultural Society - Green Infastructure Tree Plantings
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	PA Urban & Community Forestry Council - Green Stormwater Management
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Pittston City - Broad Street - SEWER SYSTEM IMPROVEMENTS
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Pleasantville Boro - 2008 Sewage Treatment Plant Upgrades

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Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Rochester boro Sewer & Maint Auth - 2009 SEWER IMPROVEMENTS PROJECT
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Sadsbury - Clean Water - Foust Rd. Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Sewickley Boro - Headworks and Dewatering
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Shohola Twp - Rosa Road Stormwater and Landslide Corrections
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Sinking Spring Boro - WWTP Upgrade/Expansion
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Six Mile Run Area Vltr Fire Co - Station 36 Innovative Stormwater Reuse
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Slatington Boro Auth - Sanitary Sewer System Improvement Project

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Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Snyder CCD - Riparian Stream Buffer Tree Planting Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	South Creek Twp - Wastewater Collection and Treatment Facilities - Construction
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Southern Delaware Cty Auth - Beech Street Pump Station Upgrades
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Spring Creek Jt SA - Expansion and Upgrade of the Wastewater Treatment Facility
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Standing Stone Twp - Slope Stabilization Mosier Road Slide 1 into Rummerfield Creek
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Standing Stone Twp - Slope Stabilization Mosier Road Slide 2 into Rummerfield Creek
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Sullivan Cty Conserv District - Sullivan Dirt and Gravel Headwater Protection

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Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Tinicum Twp - Dirt Road/storm water management
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Towamencin Twp - Fischer's Park Pervious Pavement Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Tredyffrin Twp - Maude-Lisa-Vincent Drainage Improvement Project
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Upper Mifflin Twp - Bridgewater Rd and Parkhill Rd Improvements
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Upper Pottsgrove Twp - Farmington Avenue and Regal Oaks Pump Station
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Villanova Univ - Down Spout Disconnection Program
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Washington Twp MA (Westmoreland Cty) - Pine Run Sewer Project

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Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	West Pittston Boro - sewer system improvements
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	West Rockhill Twp - Jesmont Road
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Western Pennsylvania Conservancy--TreeVitalize
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	Whitemarsh Twp - McCarthy Park Stormwater Basin Retrofits
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Funding	796090009	York Twp - Stump Park Green Infrastructure Improvements

Federal-aid Project Number	State Project Number or Identification Number (where available)	Project Purpose	Estimated Project Total Cost
NULL	02000020902-CS	Upgrade McKees Rocks pump station, install 5,300 feet of 60" storm sewers to reroute the streams from the interceptor. This is an existing system that serves approximately 313,000 customers in low to middle income areas. This is an existing system and user fees are expected to increase by 26.8%	\$11,775,000.00
NULL	04006040901-CS	This project will upgrade the secondary treatment process. The existing trickling filter will be upgraded with new pumps and a new distribution arm, and the media will also be replaced. Two new secondary clarifiers will also be added. This is an existing sewer system that serves approximately 3,800 customers in this primarily low income area. This is an existing system and user fees are expected to increase by 25%.	\$5,657,800.00
NULL	03003040902-CS	Installation of approximately 39,000 linear feet of sanitary sewers, along with converting the existing combined sewers into storm sewers. This is an existing system that serves approximately 800 customers in this primarily low income area. This is an existing system and user fees are expected to increase by 5%	\$7,044,510.00
NULL	03009030905-CF	Dirt and gravel road construction involving 15,914 tons limestone, 4300' filter fabric, 58,820 linear feet 15" pipe, 544 linear feet 18" pipe, 480 linear feet of 24" pipe, 40 linear feet of 36" pipe, 180 linear feet of 60" pipe, 710 linear feet guide rail, 10,000 tons fill, 24 delineator posts, 8 catch basins, box culvert in various municipalities throughout Armstrong County.	\$1,679,050.00
NULL	65012020905-CS	Installation of approximately 17,500 linear feet of eight inch gravity sewers and 6 inch service laterals to provide public sewage to the Borough of Arona. This will be a new sewage system to serve 166 existing homes in a low to medium income area. This is a start up system that will establish user fees.	\$2,075,190.00
NULL	48006010905-CS	Approximately 6495 feet of 8 inch sewer main lining, 367 feet of 10 inch sewer main lining, 1,090 feet of 12 inch sewer main lining, and 2,474 feet of 15 inch sewer main lining. The median household income of Bangor Borough is slightly less than the average of the state. User rates are not expected to increase.	\$678,500.00
NULL	05003050901-CS	Construction of a new headworks building, four sequencing batch reactors, an inside diameter primary digester, digester control house, sludge process building, replacement of two digester covers, construction of an ultraviolet disinfection building, bio-filter and related piping improvements. This project will serve 1,304 low income households in Bedford Borough and Bedford Township, Bedford County. Current average annual sewer rates are \$273 and are expected to increase by 17%.	\$17,630,390.00

Federal-aid Project Number	State Project Number or Identification Number (where available)	Project Purpose	Estimated Project Total Cost
NULL	32015050904-CS	Installation of approximately 13,625 linear feet of sanitary sewers that will eliminate 13 combined sewer overflows along with the expansion of the existing sewage treatment plant 900,000 gallons per day to 1,353,000 gallons per day to accommodate the expansion at the Corporate Campus Industrial Park. This is an existing sewer system that serves approximately 2,100 customers in this low to moderate income area. This is an existing system and user rates are not expected to increase.	\$16,000,000.00
NULL	02072070905-CF	Installation of three permanent irrigation ponds that will collect, store and recycle 2.5 million gallons of water to supply the Botanical gardens' future irrigation needs.	\$1,866,000.00
NULL	01003050905-CF	Innovative coupling of forested riparian buffers with other ag BMPs to address ag non-point pollution sources.	\$14,966,444.00
NULL	15006060905-CF	Construct six riparian buffers consisting of 17,260 linear feet; eleven rain gardens; two stream bank restorations consisting of 2,300 lineal feet; two dirt and gravel roads; eleven agriculture Best Management Practices; and two stormwater basin retrofits; totaling 34 Best Management Practices.	\$1,862,047.00
NULL	15012090905-CF	Two barnyard waterway control systems will be installed that will reduce sand settlement; nitrogen and phosphorus build-up in the project area.	\$393,804.00
NULL	26015050904-CS	Installation of approximately 9,525 linear feet of various size storm sewers that will reduce wet weather flows from the Authority's combined sewer system. This is an existing system that serves approximately 2,970 customers in primarily low income areas. This is an existing system and user rates are not expected to increase.	\$2,610,000.00
NULL	11045080902-CS	Replacement of 19,285 linear feet of sanitary sewers ranging from 8" to 24" in diameter. This is an existing sewer system that serves approximately 800 customers in this low income area. This is an existing system and user fees are expected to increase by 1%	\$3,570,753.00

Federal-aid Project Number	State Project Number or Identification Number (where available)	Project Purpose	Estimated Project Total Cost
NULL	11057030808-CS	Installation of approximately 27,000 feet of sanitary sewers as part of a combined sewer separation project in the Borough that will eliminate eight combined sewer overflows. This is an existing system that serves approximately 578 customers in this primarily low income area. This is an existing system and user fees are not expected to increase.	\$5,935,000.00
NULL	23018020902-CS	Replace 13,500 linear feet of 48 inch pre-stressed concrete cylinder pipe with a 54 inch ductile iron pipe, stabilize 110 linear feet of bulkhead at the Chester Pump Station, and install energy saving harmonic filters at the Central Delaware County Pump Station. This system serves six low to moderate income municipalities (Chester City, Chester Township, and Brookhaven, Parkside, Trainer, and Upland Boroughs) all in Delaware County. Current average annual sewer rates are \$238 and are not expected to increase.	\$28,815,260.00
NULL	01030020902-CS	Construction of 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 6,000 linear feet of trunk sewers. The system serves 641 low income households in the Borough of East Berlin. Current average annual sewer rates are \$313 and are expected to increase by 169.49%.	\$8,103,407.00
NULL	11066020905-CS	Installation of approximately 35,000 linear feet of sanitary sewers as part of a combined sewer separation project in the Borough that will eliminate two combined sewer overflows. This is an existing system that serves approximately 650 customers in this primarily low income area. This is an existing system and user fees are expected to increase by 18%	\$6,400,000.00
NULL	03033050901-CS	Construction of 3 sewage treatment plants, 4 pump stations and 33,800 linear feet of sewer lines to service approximately 195 existing homes in the Villages of Adrian, Tarrtown and Cowansville in East Franklin Township. This will be a new sewage system to serve 195 existing homes in a low income area. This is a start up system that will establish user fees.	\$10,923,715.00
NULL	13012010811-CS	The proposed collection system includes a 9,000 feet of gravity sewer and 1,625 linear feet of 2.5" force main, pump station and 1,103 linear feet of 4" force main. The median household income of the service area is greater than the statewide median household income.	\$3,287,168.35
NULL	25012030905-CF	The proposed project includes the reconstruction of 7 dirt and gravel roadways that transverses 6 municipalities in Erie County. The applicant estimates that 110,325 square yards of road will be stabilized by using full depth stabilization. Approximately, 96,000 linear feet of ditch line will be stabilized in such a manner to slow down the stormwater runoff.	\$1,637,505.00

Federal-aid Project Number	State Project Number or Identification Number (where available)	Project Purpose	Estimated Project Total Cost
NULL	05030050905-CF	Everett Hardwoods Business Park will disconnect downspouts from the current underground conduit and tie roof downspouts into a 12-inch pipe which is tied to the outlets; replace existing storm water inlets; and rout stormwater into a bioswale facility for water quality improvement.	\$137,802.00
NULL	66006050905-CF	This 3,000 square yard "green" parking lot will provide an additional 50 -60 parking spaces. The lot will be located in the existing community park which serves both Factoryville Borough and Clinton Township.	\$87,600.00
NULL	17060030905-CF	This project consists of rehabilitation of 2.4 miles of dirt and gravel roadways within Ferguson Township, Clearfield County. The proposed project will increase the treatment plant's capacity from 85,000 gallons per day to 160,000 gallons per day. In addition to the treatment plant expansion, approximately 9,300 linear feet of the collection system will be rehabilitated to eliminate inflow and infiltration. A sewage pumping station will also be upgraded to increase conveyance capacity. The population impacted by this project has a household median income far below the state median income level. This is an existing system and user fees are not expected to increase.	\$142,380.00
NULL	16030030803-CS	The project will upgrade the Biosolids handling process and include 1) a cover system on both digester units, replacement of the air diffusers; 2)replacement of two 50-horse power blower units, new variable frequency drives, new aluminum sound enclosures and air piping modifications; and 3) miscellaneous associated work. The weighted median household income is about 83% of the state average. User rates will increase by 16%.	\$2,200,000.00
NULL	54018080904-CS	The project will install trees, landscaping and permeable pavers in various parking lots throughout the City of Pittsburgh to reduce storm water run off into the City's combined sewer system. 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 linear feet of sanitary sewer; construction of approximately 2,400 linear feet of storm sewer; and reconstruction of about 3,500 linear feet of public sewer laterals. The population impacted by this project has a household median income far below the state median household income level. This is an existing system and user fees are not expected to increase.	\$940,349.00
NULL	02102040905-CF	The project will install trees, landscaping and permeable pavers in various parking lots throughout the City of Pittsburgh to reduce storm water run off into the City's combined sewer system. 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 linear feet of sanitary sewer; construction of approximately 2,400 linear feet of storm sewer; and reconstruction of about 3,500 linear feet of public sewer laterals. The population impacted by this project has a household median income far below the state median household income level. This is an existing system and user fees are not expected to increase.	\$274,393.00
NULL	53027040901-CS	The population impacted by this project has a household median income far below the state median household income level. This is an existing system and user fees are not expected to increase.	\$2,862,000.00

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NULL	01027060905-CS	Purchase and installation of one hundred rain barrels, which will either be made of recycled material, or constructed, using 55 gallon apple juice, concentrate drums that would ordinarily be disposed of from local Adams County fruit processors. Installation of rain barrels will promote conservation of water, particularly in peak demand seasons.	\$20,000.00
NULL	22021030901-CS	Construction of new 120,000 gallon per day wastewater treatment facility which will meet the existing permit parameters, as well as the future Chesapeake Bay Nutrient Reduction Regulations for Total Nitrogen and Total Phosphorus. This system serves 278 low income households in the borough of Gratz, Dauphin county. Current average annual sewer rates are \$624 and are not expected to increase.	\$1,354,845.00
NULL	30036030901-CS	Installation of 31,700 feet of gravity sewers, 3 pump stations, 11,140 feet of force main to serve Cabbage Flats area of Monongahela Township. Sewage will be conveyed to the Authority's existing plant which will be expanded to 165,000 gallons per day. This is an existing system that will serve the additional 210 homes as part of a total 475 system customer base in this low income area. This is an existing system and user rates are expected to increase by 3.8%	\$6,006,183.00
NULL	22030340901-CS	Improvements to the 37.7 million gallons per day sewage treatment plant include upgrades to the dewatering, grit systems, and effluent reuse facilities; demolition of the sludge incinerator, modifications to the walls of the chlorine contact tanks, replacement of the digester high pressure gas line, and rehabilitation of both the biogas sphere and primary digester. The system serves 12,200 low income households in the City of Harrisburg, Dauphin County. The current average annual residential sewer rate is \$247.	\$7,400,000.00
NULL	22030370905-CS	300 feet of boring to install 300 linear feet of new 24" sewer pipe, 425 linear feet of trenching to install 425 feet of new sewer pipe, and various reconnections of sewer piping. This system serves 12,200 low income households in the City of Harrisburg. Current average annual residential sewer rates are \$247 and are not expected to increase.	\$1,227,860.00
NULL	31051050812-CS	Installation of improvements to 4 million gallons per day wastewater treatment plant to reduce total nitrogen and total phosphorus and development of a Class A biosolids product. This system serves 2,610 low income households in Huntingdon Borough and Oneida, Penn, Smithfield and Walker Townships, all in Huntingdon County. Average annual residential sewer rates are expected to increase by 55%.	\$20,975,000.00
NULL	63102030810-CS	Construction of a 236,000 gallon per day sewage treatment plant and 90,000 linear feet of gravity sewers. This will be a new sewage system to serve approximately 600 equivalent dwelling units; 50 of which are currently served by a small package plant in this low to medium income areas. This system will establish user rates for the new customers upon completion of the project.	\$16,119,000.00

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NULL	24021040902-CS	The proposed project includes expanding the existing regional wastewater treatment plant average daily capacity to 2.0 million gallons per day. The population impacted by this project has a household median income far below the state median household income level. This is an existing system and user fees are not expected to increase.	\$14,285,000.00
NULL	03057060901-CS	Installation of 12,000 feet of new sanitary sewers, convert existing sewers to storm sewers and install an additional 2,000 feet of storm sewers. This is an existing sewer system that serves approximately 1,800 customers in primarily a low income area. This is an existing system and user rates are not expected to increase.	\$6,900,000.00
NULL	35006020902-CS	The project will increase the average flow capacity from 7 million gallons per day to 10 million gallons per day, and increased nutrient removal. The median household income of the service area is about 85% that of the statewide median household income. User rates are expected to increase by 23%.	\$30,038,984.00
NULL	35015020811-CS	Upgrade of approximately 3,200 linear feet interceptor pipe, reconstruction and improvements to an existing combined sewer overflow manhole and separation of approximately 390 linear feet of combined sewer lines. The median household income of the service area is about 85% that of the statewide median household income. User rates are expected to increase by 23%.	\$1,483,096.00
NULL	40117020905-CF	Improve 350 feet of Wesley Road and, 7,395 feet of Bear Hollow Road, and replace 17 centimeter cross pipes with new 15" inch pipes.	\$131,044.00
NULL	39045090905-CF	The "green" quantitative elements include a 1,350 square foot vegetative green roof for evapo-transpiration and evaporation and a 1,500 gallon storage system to harvest rainwater for use in building components using non-potable water.	\$40,000.00
NULL	39057030902-CS	A three million gallon Flow Equalization Tank with associated Mixing System, and an Odor Control System. The median household income of the service area is greater than the statewide median household income. User rates are expected to increase 12%.	\$6,000,000.00

Federal-aid Project Number	State Project Number or Identification Number (where available)	Project Purpose	Estimated Project Total Cost
NULL	01003040905-CF	Retrofit existing stormwater basin with capacity of 24 acre feet of water per storm event.	\$100,000.00
NULL	35087030905-CS	The project shall consist of the construction and installation of a new combined sewer overflow, regulating Chamber System, and a new 24 inch Interceptor line with manholes. The weighted median household income of the system is slightly less than the state average. Rates are expected to increase by 12%.	\$2,769,684.00
NULL	40006070904-CS	A total of approximately 1,500 feet of 8 inch and 10 inch sanitary sewer piping will be installed to convey sanitary sewage only. The weighted median household income is slightly less then the state average. Rates are expected to increase by 12%.	\$800,186.00
NULL	54078080905-CS	The project includes the installation of a 36" Type C Lakeside Screw Pump with a 15 horse power motor. The project will serve the existing 3,000 customers which have a median household income substantially less than the state's average.Rates are expected increase slightly.	\$500,000.00
NULL	56078050901-CS	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 linear feet of sewer to reduce wet weather flow and minimize bypassing. This is an existing system that serves approximately 1,200 customers in this low income area, and user rates are expected to increase by 5%.	\$2,392,000.00
NULL	54015050904-CS	Replacement of 1500' of 18" interceptor with 24" interceptor is expected to reduce a bottleneck in the collection system, thus reducing the frequency and quantity of combined sewer overflow events.The weighted median household income of the service area is substantially below the state average. User rates are expected to increase 20% to meet current costs.	\$2,270,500.00
NULL	63120060901-CS	Construction of the Park Avenue pump station along with the installation of 2,750 feet of force main and 1,700 feet of gravity sewers that will eliminate wet weather bypassing. This is an existing system that serves approximately 2,100 customers in this primarily low income area. This is an existing system and user fees are not expected to increase.	\$3,527,000.00

Federal-aid Project Number	State Project Number or Identification Number (where available)	Project Purpose	Estimated Project Total Cost
NULL	19036030811-CS	Construction of a new wastewater treatment plant with the capacity to handle peak flows up to 12.5 million gallons per day. Wastewater treatment plant has been designed to comply with the Chesapeake Bay limitations for nitrogen and phosphorus. The population impacted by this project has a household median income far below the state median household income level. This is an existing system and user fees are not expected to increase.	\$16,502,314.00
NULL	31027020905-CS	The project involves construction of 700 linear feet of 8 inch piping, 300 linear feet of 15 inch storm sewer, and replacement of the existing Liverpool pump station with new pump station. The project serves 1,600 low income households in Mount Union and Kistler Boroughs and Wayne Township, all in Huntingdon County. Current average annual residential sewer rates are \$269 and are expected to increase by 4.7%.	\$972,591.00
NULL	02225020905-CS	Project will replace approximately 15,800 linear feet of force mains and 225 linear feet of gravity sewers. This is an existing system that serves approximately 489 customers in primarily low to middle income areas. This is an existing system and user rates are expected to increase by 44%.	\$1,588,987.00
NULL	60027010812-CS	The proposed project includes expanding the existing wastewater treatment average day capacity to 230,000 gallons per day, construction of approximately 7,000 feet of new sewage collection lines, and construction of a pump station necessary to convey new sewage flows from Limestone Township. The population impacted by this project has a household median income below the state median household income level. This is an existing system and user fees are expected to increase by 152%.	\$6,490,790.00
NULL	67129040905-CF	The project will remove uphill swales, eliminate point source discharges to both the high quality streams and their associated wetlands; stabilize and reinforce the roadway with Tensar geo-grid, and overlay the entire roadway with "Driving Surface Aggregate".	\$754,976.00
NULL	42051020905-CS	This project includes the construction of 75,000 feet of low pressure sanitary sewer collection system, 250 grinder pumps, four duplex pumping stations, and a 60,000 gallon per day wastewater treatment plant. The population impacted by this project has a household median income below the state median income level. This is a start up system with no existing user fees.	\$4,442,772.00
NULL	35090030905-CS	7,300 linear feet of new storm sewer pipeline, 5,900 linear feet of new sanitary pipeline, 2,300 linear feet of new sanitary lateral pipeline, 12 new inlets, and 31 manholes. The median household income is about 80% the state average. Since the Borough does not charge for collection, user rates will not increase.	\$2,469,167.00

Federal-aid Project Number	State Project Number or Identification Number (where available)	Project Purpose	Estimated Project Total Cost
NULL	31033030902-CS	Upgrades to the pump station and discharge force main, and the installation of a Kruger double-ditch oxidation (D-ditch) wastewater treatment system to meet National Pollutant Discharge Elimination System permit requirements. This system serves 428 low income households in Orbisonia and Rockhill Furnace Boroughs and Cromwell Township. Current average annual sewer rates are \$540. Rates are expected to increase by 3.9%.	\$3,134,500.00
NULL	51001310905-CF	The project will construct the following innovative Best Management Practices (BMPs) urban reforestation and riparian/forested buffers by removing non-native and invasive flora from the project area and planting up to 400 trees. While removing invasive plant life the project will consists of 400 tree plantings in addition to reducing storm water run off to Indian Creek.	\$136,429.00
NULL	26078020905-CF	Installation of 22,780 square feet of pervious paving, 132 gallon rain barrels, 500 and 1,200 gallon cisterns, 3,083 linear feet of concrete curb within Ohiopyle Borough that will reduce the storm water run off impact on the Borough's sewer system.	\$1,312,718.00
NULL	51001280904-CF	This project will plant approximately 7,970 trees in a variety of settings throughout Southeastern PA in order to alleviate flooding, manage stormwater, protect and clean sources of drinking water, reduce the heat island effect produced by urban areas and improve air quality.	\$1,655,249.00
NULL	35003010905-CF	The planting of 1,000 trees in urban (MS4) municipalities along streets and parking lots (Abington Township, Clarks Green Borough, Clarks Summit Borough, Jermyn Borough, Mayfield Borough, Scranton City, Exeter Borough, Forty Fort Borough, Kingston Borough, West Pittston Borough, West Wyoming Borough, Wilkes-Barre City, Factoryville Borough). All the areas are MS4 municipalities--separate storm sewer systems within urbanized areas in the northeast. All have active shade tree commissions with a proven record of tree planting	\$300,000.00
NULL	40150030902-CS	The project will replace the existing combined sewers with 10,000 linear feet of storm sewers and 11,500 linear feet of sanitary sewers. The median household income of the service area is lower than the statewide median household income.	\$9,200,000.00
NULL	61054010812-CS	The project includes updating and increasing the average day hydraulic capacity of the existing wastewater treatment plant to 400,000 gallons per day, relining of 71 manholes, new water-tight manhole lids, and 1,600 linear feet of sanitary sewer line replacement along School Street. The population impacted by this project has a household median income far below the state median household income level. This is an existing system and user fees are not expected to increase.	\$4,429,088.85

Federal-aid Project Number	State Project Number or Identification Number (where available)	Project Purpose	Estimated Project Total Cost
NULL	04141030905-CS	The project will consist of the installation of 4,500 linear feet of sanitary sewers, along with the rehabilitation of 200 linear feet of sanitary sewers. This is an existing system that serves approximately 1,370 customers in primarily low to middle income areas. This is an existing system and user rates are expected to increase by 17%.	\$2,300,000.00
NULL	20087040905-CF	The project consists of rehabilitating 2,460 linear feet of Foust Road located in Sadsbury Township, Crawford County.	\$100,000.00
NULL	02294040902-CS	Upsizing of the sewage treatment plant headworks and the rehabilitation of the existing sludge dewatering facilities. This is an existing sewage system that serves approximately 2,200 customers in this middle income area. This is an existing system and user fees are expected to increase by 62%.	\$6,626,100.00
NULL	52036030905-CF	Eight new drainage pipes, 1,264 square feet of rebar, mesh, plates, and shotcrete, 158 linear feet of extra shoulder build-up of shotcrete, and durable wearing course over approximately 2,300 feet of road surface.	\$494,417.00
NULL	06168020902-CS	Upgrade the existing wastewater treatment plant from 1.0 million gallons per day hydraulic capacity to 1.25 million gallons per day. This system serves 1,380 low income households in Sinking Spring Borough, Berks County. Current average annual sewer rates are \$235. Rates are expected to increase by 85.5%.	\$4,088,950.00
NULL	05015010904-CF	The company plans to capture rainwater via downspouts and convey it into a 10,000 gallon cistern which can be used to clean equipment; be plumbed into the building's toilets and urinals; and to replenish water supply for fire protection during droughts.	\$35,070.00
NULL	39051030905-CS	Replace approximately 29,000 linear feet of 8 vitrified clay pipe and 16,000 linear feet of 6 lateral pipe including wyes and lining approximately 12,700 linear feet of existing 8 pipe for a total of 41,700 linear feet of sewer main. The median household income of the Borough is about 90% that of the state average. User rates are not expected to increase.	\$7,051,600.00

Federal-aid Project Number	State Project Number or Identification Number (where available)	Project Purpose	Estimated Project Total Cost
NULL	55054040904-CF	This project will address the non-point source pollution through the use of forested riparian buffers. Approximately 51.73 acres of forested riparian buffers will be created along streams that will span over 26 different private properties, and 5 contiguous counties.	\$128,089.00
NULL	08093030708-CS	Construction of a 25,000 gallon per day centralized wastewater treatment plant and a 23,300 linear feet of collection system within the Village of Fassett. Three small flow systems ranging from 400 to 2,000 gallons per day will serve the Village of Gillett. These public sewer systems will replace malfunctioning on-lot systems within the two villages. This project will serve 85 rural residential households in South Creek Township, Bradford County. The population impacted has a household median income far below the state household median income	\$4,023,510.00
NULL	23009040812-CS	Upgrade three pumps to provide a new station capacity of approximately 3 million gallons per day, install a backup generator, and variable frequency drives (VFD's) on 3 pump motors for better efficiency. This system serves 7,013 moderate income households in Upper Chichester Township. Current average annual sewer rates are \$260. Rates are not expected to increase.	\$508,000.00
NULL	31027010901-CS	Upgrade/expansion of the wastewater treatment plant including construction of (3) raw sewage pumps; a fine screen; two Sequencing Batch Reactors (SBR's); chlorination/dechlorination/post aeration tanks; and (2) reed beds. This system serves 396 low income households in Spring Creek and Sattilo Boroughs and Clay Township, located in Huntingdon County. Current average annual residential sewer rates are \$456. Rates are not expected to increase.	\$2,735,043.00
NULL	08102020905-CF	The road bank stabilization includes approximately 72 Super nails to stabilize 20 feet of the embankment and 1,140 square feet of mesh surface treatment.	\$128,653.00
NULL	08102010905-CF	The road bank stabilization includes approximately 56 Super nails to stabilize 20 feet of the embankment and 672 square feet of mesh surface treatment.	\$101,462.00
NULL	57003040905-CF	The proposed project includes restoration of 14,100 linear feet gravel roadway, shoulder restoration and drainage pipe.	\$858,290.00

Federal-aid Project Number	State Project Number or Identification Number (where available)	Project Purpose	Estimated Project Total Cost
NULL	09129010905-CF	Applying 20,800 tons of Driving Surface Aggregate (modified/crushed stone) to the dirt and gravel roads in this area, after spraying the road with 13,000 gallons of 35% calcium chloride mixed with water for dust control.	\$600,000.00
NULL	46138010905-CF	Construction of a 35,910 square foot pervious parking lot with an infiltration bed and bioretention islands to store an estimated 9,170 cubic feet of storm water; treat an estimated 85% suspended solids, 85% of phosphorous, and 30% of nitrates from storm water runoff discharging to Towamencin Creek.	\$281,964.00
NULL	15153060904-CF	Installation of 1,419 linear feet of pipe; nine manholes; 24 inlets; a dissipater end wall; an infiltration bed; and 790 tons of infiltration bed stone.	\$523,974.00
NULL	21093020905-CF	Applying approximately 9,000 tons of Driving Surface Aggregate to 2.25 miles of 20-foot wide dirt and gravel roads. 2.25 miles of 20-foot wide dirt and gravel roads are proposed to be overlaid with DSA (driving surface aggregate) in an 8-inch loose compacted to 6-inch layer (approximately 9,000 tons).	\$205,291.00
NULL	46162070902-CS	Dismantle package sewage treatment plant and pump station in Regal Oaks subdivision, install 11,500 linear feet of gravity mains, 6,720 linear feet of force mains, 2,260 linear feet of sewer lines and 3,260 linear feet of interceptors, 21 manholes, 2 pump stations and a treatment capacity purchase from Pottstown Borough Authority. This system serves 1,232 medium income households in Upper Pottsgrove Township, Montgomery County. Current average annual sewer rates are \$405. Rates are expected to increase by 135%.	\$5,028,780.00
NULL	23102020905-CF	Approximately 40,000 square feet of impervious surface is scheduled for disconnection removing 85,000 cubic feet of runoff from the headwaters of the Darby yearly. The overall cost is \$134,750 or \$1.44 per cubic foot removed before contingency.	\$134,750.00
NULL	65180110809-CS	The project involves the installation of 16,700 linear feet of 8" gravity collector sewers and 12,100 linear feet of 15" gravity interceptor sewers. Sewage will be conveyed for treatment at the Kiski Valley Water Pollution Control Authority sewage treatment plant. This is an existing system that will serve an additional 408 equivalent dwelling units as part of a total system of approximately 1,400 customers. This is an existing system and user rates are not expected to increase.	\$5,392,550.00

Federal-aid Project Number	State Project Number or Identification Number (where available)	Project Purpose	Estimated Project Total Cost
NULL	40201040902-CS	Construction of 3,000 feet of 60" diameter culvert, 6,700 feet of collection storm sewers, and 16,000 linear feet of sanitary sewage mains. The median household income of the service area is less than the statewide median household income.	\$9,450,000.00
NULL	09153060905-CF	The project will replace 140 linear feet of 15 inch pipe that has deteriorated over time and stabilize the cart way with a driving surface aggregate.	\$49,343.00
NULL	02261270905-CF	The Western Pennsylvania Conservancy will plant 6,250 new trees along various commercial and residential corridors through out the city of Pittsburgh in order to reduce storm water flows during wet weather events.	\$3,400,000.00
NULL	46180020904-CF	Constructing a storm water basin to create a wetland.	\$618,485.00
NULL	67018030905-CF	This project will include low impact development storm water strategies including 2 pervious asphalt parking lots; several bioretention/rain gardens storm water facilities, emergent plantings and site-wide tree plantings, erosion and sedimentation control devices, and landscaping	\$460,673.00

Project Rationale

Public Health: Project will allow for proper transportation of wastewater. Aquatic Health: Project will reduce wet weather bypassing to Chartiers Creek. Infrastructure Health: The existing pump station will be upgraded. Compliance: Project is in accordance with an Environmental Protection Agency/Department of Environmental Protection Consent Order and Agreement.

Public Health: Project will eliminate wet weather bypassing of untreated sewage in the conveyance system. Aquatic Health: Project will eliminate discharges of untreated sewage during wet weather into the Ohio River. Infrastructure Health: The treatment process upgrades will eliminate wet weather bypassing. Compliance: Project will allow for compliance with a Department of Environmental Protection Consent Order and Agreement.

Public Health: Project will provide proper transportation and treatment of wastewater by eliminating five combined sewer overflows which discharge untreated wastewater into the Kiskiminetas River during wet weather. Aquatic Health: Project will eliminate wet weather sewage overflow discharges into the Kiskiminetas River. Compliance: This project will enable the Borough and the Kiski Valley Water Pollution Control Authority to comply with the Environmental Protection Agency's combined sewer overflow policy. Infrastructure Health: The Borough's existing combined sewer system will be replaced with new sanitary sewers that will eliminate combined sewer overflows. Community Health: This project will eliminate the Borough's five combined sewer overflows. Economic Development: The project will facilitate economic development on Apollo's riverfront industrial park which has been designated a Brownfield site receiving Act 2 clearance.

This project is designed to reduce road erosion, stream sediment pollution, and concentrated storm water flow.

Public Health: The proposed project will eliminate discharges of raw sewage from malfunctioning on-lots systems and wildcat sewers into Little Sewickley Creek. Aquatic Health: Project will eliminate a wildcat sewer that discharges raw sewage to Little Sewickley Creek. Infrastructure Health: Project will eliminate wildcat sewers with new sanitary sewers. Compliance: Project will allow for compliance with an order issued by the Department of Environmental Protection 12/31/08. Community Health: Sewage will be conveyed to Hempfield Township Municipal Authority for treatment.

Public Health: Will be enhanced due to the reduction of sewer backups and the ensuing surface discharge of raw sewage. Infrastructure Health: This project will correct numerous National Pollutant Discharge Elimination System violations. Aquatic Health: Water quality and aquatic life will be improved by the elimination of the discharge of raw sewage onto the ground with ensuing runoff into the streams. Compliance: The work is necessary to meet Department regulations and to allow the termination the ban of new connections. Economic development; the termination of the ban on new connections will allow for economic development.

Public Health: This project will improve operations and eliminate the health hazards associated with inadequately treated waste being discharged to groundwater and the waters of the Commonwealth. Aquatic Health: The project will allow the Authority to comply with the more stringent nutrient effluent limits placed on sewage facilities discharging to tributaries to the Chesapeake Bay. Compliance: The project will allow the existing 30 year old activated sludge plant to meet the effluent limits for Total Nitrogen and Total Phosphorus set in the final NPDES permit issued in January 2008. Economic Development: This project serves two business parks. Manufacturing facilities benefiting from this project include Cannondale Corporation, JLG Manufacturing and Metal craft Corporation.

Project Rationale

Public Health: Project will eliminate combined sewer overflows during wet weather. **Aquatic Health:** Project will eliminate combined sewer overflows during wet weather into the Conemaugh River. **Compliance:** Project will facilitate compliance with the Environmental Protection Agency's combined sewer overflow policy. **Infrastructure Health:** Project will replace the Authority's combined sewer system with new sanitary sewers that will eliminate 13 combined sewer overflows. **Economic Development:** The project is needed in order to respond to economic growth pressures in the Route 22-Route 119 corridor, including growth at the Corporate Campus Business Park. The county will soon invest approximately \$1,000,000 in construction, including installing fiber optics throughout the business park. Penn Machine Company, a manufacturer of gears, pinions and gear boxes for the rail industry currently employs 32 people, and as a result of the project, will be able to create 13 jobs over 3 years and invest \$1,070,000 in construction and equipment. New employees earn \$11.50 per hour. Chestnut Ridge Golf, L.P., a recreation and conference center, will create 10 jobs and Wyotech, a private secondary education facility, will create 23 jobs.

The proposed project will decrease the amount of water needed for irrigation from local municipal water supplier. This proposal will help alleviate water quality impairments by providing technical and financial assistance to Pennsylvania landowners for implementation of agricultural best management practices (ag BMPs). These BMPs typically prevent non-point source pollution at roughly one tenth of the cost of reductions from point sources. For forested riparian buffers, this figure does not reflect the in-stream pollutant removal services of forested streams, which may equal or exceed the magnitude of the load-preventative services of forested buffers (according Stroud Water Research Center). EPA estimates that each dollar spent on preventing non-point source pollution avoids \$27 in costs at drinking water treatment facilities. For the entire proposed project, the annual pollution reduction benefits are estimated as follows: 1,300,533.8 pounds of nitrogen (19,508,007 pounds over 15 years) 444,957.6 pounds of phosphorus and (6,674,364 pounds over 15 years) 1055.2 tons of sediment (15,828

The project will result in reduced non-point source pollution through control of runoff, water quality improvement through wetland filtration, thermal reduction in stormwater runoff and local waterways, and carbon sequestration through vegetation planting and reforested riparian buffers.

The project will reduce sediment in the form of sand, storm water runoff, and nitrogen and phosphorus from entering three headwater tributaries and watersheds to the Susquehanna River and Chesapeake Bay.

Public Health: Project will provide proper transportation of wastewater by reducing the wet weather flow in the sewer system and reduce combined sewer overflow events. **Aquatic Health:** Project will reduce combined sewer overflow events during wet weather. **Compliance:** Project will facilitate compliance with the Combined Sewer Overflow Policy. **Infrastructure Health:** Project will reduce combined sewer overflow events in the combined sewer system.

Public Health: Project will reduce wet weather bypassing into the Little Conemaugh River. **Aquatic Health:** Project will reduce wet weather sewage flows into the Little Conemaugh River. **Infrastructure Health:** Project will provide new sanitary sewer lines.

Project Rationale

Public Health: Project will provide proper transportation of wastewater by eliminating eight combined sewer overflows. Aquatic Health: The project will eliminate wet weather sewage flows into the Conemaugh and Stonycreek Rivers. Compliance: Project will enable the Borough to comply with the Environmental Protection Agency's combined sewer overflow policy. Infrastructure Health: The Borough's existing combined sewer system will be replaced with a new sanitary sewer that will eliminate combined sewer overflows. Community Health: The project will eliminate the Borough's eight combined sewer overflows.

Public Health: The project will mitigate the potential for the existing force main to break and cause a sanitary sewer overflow of raw or inadequately treated waste. Aquatic Health: The project will eliminate interceptor surcharges and dry weather discharges. Infrastructure Health: The project will provide a more efficient and sustainable method to convey sewage in this region. Compliance: The project will allow the Authority to comply with their Long-Term Combined Sewer Overflow Control Plan.

Public Health: The proposed treatment facility will meet new total nitrogen permit limits imposed by the State, and eliminate nine failing existing on-lot septic systems and organic overloads at the current sewage treatment plant. Aquatic Health: Sewage treatment plant discharge to Conewago Creek and the Chesapeake Bay Watershed will be improved. Infrastructure Health: The projects will and improve safety and provide a sustainable facility for this area. Compliance: The project will allow East Berlin Area Joint Authority to meet their Act 537 planning and National Pollutant Discharge Elimination System permit requirements. Community Health: The project will allow for enhanced treatment of sewage and allow for sustainable growth. Economic Development: The project will provide sewage treatment services to several commercial/retail businesses and three manufacturing corporations; Zeigler Brothers, Inc., a specialty animal feeds manufacturer, Tucker Industrial Liquids

Public Health: Project will provide proper transportation of wastewater by eliminating two combined sewer overflows. Aquatic Health: Project will eliminate wet weather sewage flows into the Little Conemaugh River. Compliance: Project will allow for compliance with a Department of Environmental Protection order issued May 8, 2007. Infrastructure Health: The Borough's existing combined sewer system will be replaced with a new sanitary sewer that will eliminate combined sewer overflows. Community Health: Project will eliminate the Borough's two combined sewer overflows.

Public Health: The proposed project will eliminate wildcat sewers that discharge untreated sewage into Glade Run. Aquatic Health: The proposed project will eliminate untreated wastewater into Glade Run. Infrastructure Health: The project will replace old wildcat sewers with a new sanitary sewer. Compliance: The Department of Environmental Protection has indicated that sufficient documentation exists to justify and order; however, since the Township is proceeding voluntarily, no formal order has been issued. Community Health: A small package treatment will be eliminated. Economic Development: The Cowansville Health Center, an internal medical practice, will invest \$150,000 in construction/renovation and retain their existing staff or 10 and create 5 new jobs with employees earning \$12.00 an hour.

Public Health: Will be enhanced due to the elimination of discharges of inadequately treated sewage. Infrastructure Health: This project will correct numerous National Pollutant Discharge Elimination System violations. Aquatic Health: Water quality and aquatic life will be improved by the elimination of the discharge of untreated/inadequately treated wastewater. Compliance: The work is the direct result of a Consent Order and Agreement.

This project will improve water quality by reducing the amount of sediment entering the stream, longer absorption and recharge periods, and lower, more stable stream runoff.

Project Rationale

This project benefits are water quality improvement and less stormwater discharge. This Brownfield site serves the Everett Hardwood Business Park and will be the future site of Northern Gold, a green energy company which will manufacture a patent fuel pellet that can be burned in indoor pellet/corn stoves. Northern Gold will invest \$200,000 in a new construction and \$500,000 for equipment. They will create 30 new jobs at \$15.00 per hour over the next three years.

This "Green" project will avoid the runoff of pollutants from this new parking area to the stream which abuts the park.

This project will improve water quality by reducing the amount of sediment entering streams, longer absorption and recharge periods, lower more stable stream runoff, and reduction in dust.
Aquatic Health: This project will eliminate raw sewage bypasses and solids washout to the Allegheny River. The project will eliminate sewage discharges to the Allegheny River that threaten two endangered species.
Compliance: The existing wastewater treatment facility is hydraulically and organically overloaded. As a result of numerous effluent violations, the Department of Environmental Protection and the Foxburg Area Water and Sewer Authority have entered into a Consent Order and Agreement. Completion of this project will lift Consent Order and Tapping Moratorium.
Infrastructure Health: This project will improve the collection system conveyance capacity and increase the wet weather treatment capacity.
Community Health: The project will provide a safe, complete and regional solution to wastewater treatment in the area.

Infrastructure Health: The proposed improvements in biosolids handling will improve the quality of the sludge, reduce odors, and reduce the energy consumption.
Community Health: This project will produce a safer sludge for ultimate disposal.
Economic Development: This system serves many commercial, industrial and institutional users.

The Project will help reduce wet weather flows from the City's combined sewer system by reducing the volume of storm water run off.
Aquatic Health: Pine Creek is listed as an exceptional value stream and a heavily utilized recreational resource. This project will eliminate two combined sewer overflow discharge points that discharged raw sewage to Pine Creek.
Compliance: This project is part of the Authorities Long Term Control Plan developed to eliminate the discharge of untreated sanitary wastewater. The Authority must implement this project to maintain compliance with the adopted Long Term Control Plan and the Department of Environmental Protection's Combined Sewer Overflow Strategy.
Infrastructure Health: This project will separate combined sewer along West Street and replace or rehabilitate deteriorated terra cotta sanitary sewer pipe in the southwest sewer shed, and upgrade two pumping stations. Pump station upgrades will include a SCADA system to more efficiently operate the system and collect data. Emergency generator usage, pump runtime metering and flow monitoring will be integrated

Project Rationale

The installation of rain barrels will promote conservation of water, particularly in peak demand seasons.

Public Health - The project will eliminate insufficient treatment of incoming wastes, and discharges of elevated levels of suspended solids and ammonia-nitrogen. **Aquatic Health** - The receiving stream, as well as Wiconisco Creek, will be positively impacted by the enhanced discharge. **Infrastructure Health** - This project will upgrade Gratz's existing inadequate wastewater treatment facilities to a reliable Sequencing Batch Reactor system. **Compliance** - The project will allow Gratz to achieve compliance with their current and future National Pollutant Discharge Elimination System permit requirements. **Community Health** - The project will enhance discharge and reduce the possibility of ground or surface water contamination. **Economic Development** - Metal Industries, a manufacturer of doors and windows will be able to preserve their existing workforce of 400 employees over the next three years as a result of this project.

Public Health: Project will eliminate malfunctioning on lot discharges of raw sewage into Whitley Creek. **Aquatic Health:** In addition to the elimination of on lot discharges, the project will also eliminate a wildcat sewer that serves 25 trailers. **Infrastructure Health:** An existing wildcat sewer will be eliminated and replaced with a new sanitary sewer line. **Compliance:** The Department of Environmental Protection has indicated that sufficient documentation exists to justify the issue of an order; however, since the Authority is proceeding voluntarily, no formal order has been issued.

Public Health: The project will enhance treatment capability and reduce or eliminate the possibility of inadequately treated waste to the Susquehanna River. **Community Health:** The project will increase treatment efficiency and financial sustainability for the customers of this system.

Public Health: Project will eliminate the public health risks associated with raw sewage discharging into public areas. **Aquatic Health:** Project will eliminate the inflow and infiltration into the City's sewer system, which discharges into the Susquehanna River and ultimately the Chesapeake Bay. **Compliance:** Project will allow the City to comply with their Long Term Control Plan for combined sewer flows. **Infrastructure Health:** Approximately eight years ago, one of the passenger platforms at the train station collapsed as a result of the failing sewer line which runs beneath it. The project will prevent this from happening again.

Public Health: The project will improve worker safety by eliminating the use of hazardous chemicals such as chlorine and quick lime at the sewage treatment plant. **Aquatic Health:** The project will reduce the nitrogen and phosphorus levels in the effluent discharge, improving the waters of the Commonwealth. **Compliance:** The project will allow Huntingdon to comply with their National Pollutant Discharge Elimination System permit requirements for nitrogen and phosphorus removal. **Community Health:** Treatment to a Class A biosolid for land application is a safer, more sustainable benefit to the community. **Economic Development:** The project area serves two manufacturing businesses, Baxter Machine Products, Inc. and Advanced Glass Yarns. The former will retain 24 jobs, create six more over three years and invest \$300,000 in equipment as a result of the project. Advanced Glass Yarns will retain 385 jobs and invest \$750,000 in equipment. In addition, five non-economic base

Public Health: Project will eliminate discharges of raw sewage from wildcat sewers and malfunctioning on-lot systems into Cross Creek. **Aquatic Health:** Project will eliminate untreated wastewater into Cross Creek. **Infrastructure Health:** Project will eliminate wildcat sewers with new sanitary sewers. **Compliance:** The Department of Environmental Protection has indicated that sufficient justification exists to justify the issuance of an order; however, since the Authority is proceeding voluntarily, no formal order has been issued. **Community Health:** The project will eliminate P&W patch sewage treatment plant. **Economic Development:** The Department of Community and Economic Development as indicated that Keystone Consolidated, Inc., an assembler of log cabins, has wanted to expand for several years; however, lack of sanitary facilities has stymied expansion. They will be investing \$300,000 in construction/renovation and equipment in an expansion that will retain 6 jobs and add 14 new jobs.

Project Rationale

Aquatic Health: This project will significantly eliminate any impacts to the Clarion River associated from sanitary sewer overflows solids washout during wet weather events. **Compliance:** The Johnsonburg Municipal Authority has engaged into a Consent Order and Agreement with the Pennsylvania Department of Environmental Protection to eliminate all sanitary sewer overflows and eliminate hydraulic overloading at the wastewater treatment plant. **Infrastructure Health:** This project will maximize the efficiency of the main sewer interceptors, eliminate sanitary sewer overflow points, expand the wastewater treatment plant capacity, and renovate a wastewater treatment plant that has been not upgraded in over 35 years. The Authority's wastewater treatment facility is a regional solution to the areas wastewater needs. **Community Health:** Project provides a safe, complete and affordable solution to wastewater treatment in the area.

Public Health: Project will provide proper transportation and treatment of wastewater by eliminating 2 remaining combined sewer overflows that discharge untreated sewage into the Allegheny River. **Aquatic Health:** Project will eliminate wet weather discharges into the Allegheny River. **Infrastructure Health:** The Authority's existing combined sewer system will be replaced with a new sanitary sewer system. **Compliance:** This project is required to comply with an Environmental Protection Agency's combined sewer overflow policy. **Community Health:** This project will eliminate the remaining combined sewer overflows in Authority's system.

Infrastructure Health: This project will upgrade and improve the efficiency of treatment and operations of the plant. **Aquatic Health:** Water quality and aquatic life will be improved by the reduction of the organic discharge. **Community Health;** This plant upgrade will enable the system to comply with state, and federal regulations. **Compliance:** The work is required to comply with the Chesapeake Bay Strategy.

Public Health: Project will reduce potential for basement sewage back-up. **Infrastructure Health:** This project will correct numerous National Pollutant Discharge Elimination System violations. **Aquatic Health:** Water quality and aquatic life will be improved by reduction of overflow events. **Community Health:** This system provides the essential sewerage service to more than 50,000 people in eight municipalities. **Compliance:** The work is necessary to comply with the requirements of Pennsylvania Act 537.

This work will reduce roadway erosion and associated accumulation of sediment into nearby high quality streams.

This "green" project will reduce runoff and reduce energy consumption for this proposed county park office building.

Aquatic Health: The project will lessen instances of raw sewage discharging onto public property during wet weather from the sanitary sewer system. **Infrastructure Health:** The flow equalization tank will reduce downstream sewer system overflows because the tank will dampen the rate at which wastewater enters the downstream sanitary sewers. **Compliance:** Environmental Protection Agency ordered Allentown via an Administrative Order, dated 09/28/2007, to reduce hydraulic overloads. Wastewater from Lehigh County Authority's system enters Allentown's sewer system and wastewater treatment plant. In addition, Allentown uses the Little Lehigh Creek, in the area of sewer system overflows, for a portion of its drinking water supply.

Project Rationale

The project will improve water quality and serve as a model for other stormwater detention basins.

Aquatic Health: Water quality and aquatic life will be improved by the elimination of the discharge of untreated/inadequately treated wastewater. Infrastructure Health: This project will correct numerous National Pollutant Discharge Elimination System violations. Compliance: The project would eliminate three permitted combined sewer overflow structures and would provide wastewater treatment prior to discharge meeting water quality standards. The project, once completed, would eliminate the discharge of untreated wastewater to receiving waterways, thus elimination system violations. Community Health: Project will eliminate three combined sewer overflow structures.

Public Health: Will be enhanced due to the elimination of discharges of inadequately treated sewage. Infrastructure Health: This project will correct numerous National Pollutant Discharge Elimination System violations. Aquatic Health: Water quality and aquatic life will be improved by the elimination of the discharge of untreated/inadequately treated wastewater. Community Health: This system serves nearly 20,000 equivalent dwelling units in the region. Economic Development: All major employers in the area are dependent upon this system for sewage treatment. Compliance: This work will eliminate one combines sanitary sewer outfall.

Aquatic Health: This pump is essential to the treatment process required to avoid the discharge of untreated or inadequately treated sewage. Infrastructure Health: This work will improve the operations and reduce the operating cost. Compliance: This change of equipment will improve the system's ability to comply with federal and state regulations.

Public Health: Lagoon sludge removal will allow the treatment plant to meet discharge limits. In addition, the sewer replacement and rehabilitation will reduce wet weather flows and minimize bypassing. Aquatic Health: Project will reduce wet weather flows and minimize bypassing to the stream. Infrastructure Health: The existing sewer lines will be replaced with new sanitary sewer lines. Compliance: The proposed project is in accordance with a consent order and agreement.

Aquatic Health: The proposed work will reduce the frequency and volume of discharges through the combines sewer outfall, thus reducing pollution of the receiving stream. Infrastructure Health: The proposed work will reduce the frequency and volume of discharges through the combines sewer outfall. Compliance: This work, by eliminating backups & resulting overflows Community Health: This work will facilitate proper treatment of sewage for 2,064 households. Economic Development: The system provides sewerage service to several employers in the area.

Public Health: Project will allow for proper transportation and treatment of wastewater by eliminating wet weather bypassing. Aquatic Health: Project will eliminate wet weather bypassing or untreated sewage into Pigeon Creek. Infrastructure Health: Project will provide a new pump station that will eliminate wet weather bypassing. Compliance: The Department of Environmental Protection has indicated that sufficient documentation exists to issue an order; however, since the Township is proceeding voluntarily, no formal order has been issued.

Project Rationale

Aquatic Health: This project will eliminate the hydraulic overloading of the existing wastewater treatment plant and solids washout to the Shamokin Creek. In addition, this project will significantly reduce the number of combined sewer overflow activation events.**Compliance:** United States Environmental Protection Agency issued an Administrative Order to Mount Carmel Municipal Authority and Mount Carmel Borough requiring the Authority and Borough to construct a new wastewater treatment plant, and implement the recommendations of their Long-Term Control Plan. To ensure that both the Borough and Authority jointly cooperate the Department of Environmental Protection entered into a Consent Order and Agreement requiring the Authority to implement the recommendations of the revised ACT 537 Plan.**Community Health:** The project will provide a safe, complete, and affordable solution to regional wastewater treatment in the Mount Carmel and surrounding areas.

Public Health: The project will eliminate potential health hazards associated with raw or inadequately treated waste contaminating groundwater or public waterways.**Aquatic Health:** The project will eliminate wet weather discharges of raw sewage into Hill Valley Creek, designated as a High Quality Stream.**Compliance:** The project will allow the Authority to lift a self-imposed connection moratorium due to projected organic overloads at the wastewater treatment plant.**Infrastructure Health:** The project will reduce the consumptive use of electricity and provide a sustainable infrastructure.

Public Health: Project will eliminate intermittent dry weather discharges of untreated sewage into the Ohio River.**Aquatic Health:** Project will eliminate intermittent dry weather discharges of untreated sewage into the Ohio River.**Infrastructure Health:** Existing defective force mains will be replaced. **Compliance:** Project will allow for compliance with a Consent Order from the Allegheny County Health Department.

Aquatic Health: Due to the deteriorated condition of the sewage treatment plant, numerous effluent discharge violations to Penns Creek have been issued to the New Berlin Municipal Authority. Penns Creek, at the point of discharge, is classified as a warm water fishery and supports many forms of aquatic and wild fowl down stream of the plant.**Compliance:** The New Berlin Municipal Authority has been placed under a Consent Order and Agreement by the Department of Environmental Protection. The Order requires the Authority to begin construction on a permanent solution to abate hydraulic and organic overloads by November 30, 2009. The Consent Order also requires the start of construction on the Limestone sewage extension no later than May 30, 2010. The Department has placed the New Berlin Municipal Authority on a moratorium for new connections until both portions of the project are substantially complete.**Economic Development:** The SUN Area Career & Technology Center,

The project will provide wetland protection and reduced storm water runoff while maintaining the roadways.

Public Health: Over fifty percent of the on-lot systems surveyed were confirmed to be malfunctioning. This project will eliminate "wildcat" discharges of untreated sewage to Potato Creek and other publicly accessible areas. **Compliance:** Township officials are voluntarily moving forward with the project. Based on the high malfunction rate, the Department of Environmental Protection would issue a Consent Order and Agreement should Norwich Township not move forward with the project. **Community Health:** This project provides a safe and complete solution to the sewage problems plaguing Norwich Township. In addition, this project will eliminate the health and safety concerns of raw sewage within Potato Creek and its tributaries.

Public Health: The public health hazards associated with raw sewage discharging onto public property will be eliminated. **Aquatic Health:** This project will reduce the discharge from combined sewer outfalls. **Infrastructure Health:** Will be improved by the elimination of the discharge of untreated sewerage.**Compliance:** This project will eliminate violations of Department regulations.**Community Health:**This project serves a small municipality

Project Rationale

Public Health: The project will reduce the health hazards associated with inadequately treated sewage discharges to the receiving stream. **Aquatic Health:** Cleaner effluent will improve the fish and aquatic life in Blacklog creek, the receiving stream. **Infrastructure Health:** Improvements at the wastewater treatment plant will provide a reliable and sustainable sewage treatment technology and equipment to eliminate a hydraulic overload. **Compliance:** The Authority will be able to meet their effluent requirements and comply with their Act 537 sewage facilities plan and the National Pollutant Discharge Elimination System permit requirements for the Chesapeake Bay. **Community Health:** The project will provide safe and reliable wastewater treatment to this community during wet weather flows. **Economic Development:** The upgrades will benefit McCartney's Electric, Orbisonia Laundromat and OHI Hardware businesses, which will create nine non-economic jobs over three years.

Increased vegetation and the removal of unwanted vegetation, along with reduced storm water runoff are the benefits of this project.

The Department of Environmental Protection has indicated that the proposed project will improve water quality through the removal of stormwater infiltration during peak wet weather events. The Department of Community and Economic Development has indicated that Ohiopyle Land Holdings, LLC, a developer, will create 25 new jobs and Ohiopyle State Park will create 3 jobs over 3 years.

The project benefits are improved water and air quality and the aesthetic benefits of adding trees plantings to residential areas, especially in urban settings.

The planting of 1,000 trees in urban (MS4) municipalities along streets and parking lots will help to reduce storm water and NPS pollution that enters waterways of the Commonwealth causing impairment. A reduction in stormwater in many of these communities will also serve to reduce combined sewer overflow incidents.

Public Safety: Since there are several buildings over the existing sewer, the realignment of new sewers will eliminate the possibility of additional building failures. **Compliance:** This work is needed to comply with both Acts 160 and 570. **Infrastructure Health:** This work will allow this portion of the system to properly provide required drainage of both sewage and stormwater. **Aquatic Health:** The Pleasantville Borough wastewater treatment plant is hydraulically and organically overloaded that results in partially treated sewage and solids washout being discharge to an unnamed tributary to West Pithole Creek. An aquatic biologist from the Department of Environmental Protection has surveyed the stream and verified the impairment created by the partially treated discharges. **Compliance:** Township officials are voluntarily moving forward with the project. Based on the extent of impairment to the receiving stream the Department of Environmental Protection has issued more stringent effluent limits in order to protect the receiving stream. Should Pleasantville not move forward with the project the Department would most likely issue a Consent Order and Agreement. **Community Health:** The project will provide future capacity for Oil Creek Township once they begin construction of their sanitary sewer project anticipates early 2010. This project will provide

Project Rationale

Public Health: Project will provide proper transportation of wastewater by eliminating two combined sewer overflows. Aquatic Health: Project will eliminate wet weather sewage flows into Lacock Run. Compliance: Project will allow for compliance with Department of Environmental Protection Order dated 9/29/08. Infrastructure Health: Portions of the Borough's existing combined sewer system will be replaced with a new sanitary sewer that will eliminate two combined sewer overflows. Community Health: Project will eliminate two of the Borough's combined sewer overflows.

Conneaut Lake, a designated high quality lake, is heavily used for recreational purposes. The Crawford County Conservation District identified Foust Road as a contributor to sediment pollution in the lake.

Public Health: Project will allow for the proper conveyance and treatment of wastewater. Aquatic Health: Project will allow more wet weather flow to be treated and minimize bypassing into the Ohio River. Infrastructure Health: Project will upgrade the existing sewage treatment plant. Compliance: Project is in accordance with Environmental Protection Agency's Combined Sewer Overflow Policy.

The proposed improvements will improve water quality by reducing the erosion and resulting sediment accumulation.

Public Health: Expansion and upgrades to the wastewater treatment plant will improve the quality of effluent and reduce health risk associated with hydraulic and organic overloads at the wastewater treatment plant. Aquatic Health: Wastewater treatment plant improvements will reduce the phosphorus loading to the discharge stream, Cacoosing Creek, which has been classified as impaired. Infrastructure Health: The project will provide reliable and sustainable infrastructure for system customers. Compliance: The project will allow the Borough to comply with their Chapter 94 Corrective Action Plan and National Pollutant Discharge Elimination System permit limits.

The overall benefits of this project are the maintenance of necessary public services and the safety of firefighters from equipment malfunction, as well as recycling water.

Public Health: Will be enhanced due to the elimination of backups and discharges of inadequately treated sewage. Infrastructure Health: This project will correct numerous National Pollutant Discharge Elimination System violations. Aquatic Health: Water quality and aquatic life will be improved by the elimination of the discharge of untreated/inadequately treated wastewater. Compliance: The work is required to meet Department regulations.

Project Rationale

This proposal will help alleviate water quality impairments by providing technical and financial assistance to Pennsylvania landowners for implementation of forested riparian buffers. This project will decrease sediment and nutrient pollution.

Public Safety: This project will eliminate any potential health hazards associated from malfunctioning on-lot septic systems and the discharge of untreated treated sewage. **Compliance:** To facilitate compliance with a Consent Order and Agreement entered with PA DEP on May 10, 2005. **Adequacy/Efficiency/Social Impact:** This project provides a safe and complete solution to wastewater treatment in the area.

Public Health: Elimination of sewage overflows will reduce the risk of public exposure to untreated wastewater. **Aquatic Health:** Elimination of sewage overflows at the Beech Street Pump Station will improve the quality of Marcus Hook Creek, which is located approximately 60 feet from the pump station. **Infrastructure Health:** The project will provide reliable and sustainable sewage service to this area.

Public Health - The project will eliminate the health hazards associated with raw or inadequately treated waste coming into contact with the public or contaminating groundwater. **Aquatic Health -** Elimination of hydraulic overloads at the wastewater treatment plant will improve the health of fish and aquatic life in Three Springs Creek, the discharge stream, and ultimately the Chesapeake Bay. **Infrastructure Health -** The project will provide reliable and sustainable sewage treatment for system customers. **Compliance -** The project will allow the Authority to comply with their Chapter 94 Corrective Action Plan (CAP) and their National Pollutant Discharge Elimination System permit requirements for Total Nitrogen and Total Phosphorus. **Community Health -** This project will provide a regional solution to the wastewater problems in this area.

This project will improve water quality by reducing sediment discharge to Rummerfield Creek.

This project will improve water quality by reducing sediment discharge to Rummerfield Creek.

This project will improve water quality by reducing the amount of sediment entering the stream, longer absorption and recharge periods, and lower more stable stream runoff.

Project Rationale

Reduction of sedimentation to the stream and reduced erosion of stream banks will reduce flooding and benefit aquatic life and stream health.

Prevention of further erosion and removal of harmful chemicals from the soil, thus improving the water quality of Towamencin Creek are the overall benefits of this project.

Reduction in storm water runoff and corresponding soil erosion are the benefits of this project. During a 100 year storm, there would be a 23% decrease in outflows.

Reduced soil erosion and improved roadway quality are the projects benefits.

Public Health: The project will eliminate the health hazards from raw or inadequately treated sewage from a sewage treatment plant which is not working properly and malfunctioning on lot septic systems. Aquatic Health: The project will improve the health of fish and aquatic life in the receiving stream. Infrastructure Health: The project will provide a reliable and sustainable sewage conveyance system for customers. Compliance: This project will enable the Township to comply with a Pennsylvania Department of Environmental Protection Consent Order to dismantle the package sewage treatment plant at Regal Oaks subdivision. Community Health: The project will enhance the public health of the community.

Overall increase in water quality and examples for future environmental education programs at the University.

Public Health: Project will eliminate malfunctioning on-lot discharges of raw sewage that impacts Pine Run. Aquatic Health: In addition to eliminating malfunctioning on-lot systems, the project will also eliminate a wildcat sewer system that serves 18 homes. Infrastructure Health: An existing wildcat sewer will be eliminated and replaced with a new sanitary sewer line. Compliance: The Department of Environmental Protection has indicated that sufficient documentation exists to justify the issuance of an order; however, since the Authority is proceeding voluntarily, no formal order has been issued. Economic Development: Public sewage will stabilize sewage service to 21 companies and the 3,000 employees in the Westmoreland County IDC's Business & Research Park and allow for future economic development. This is the first phase of a two phase project that will provide sewage to the Westmoreland County IDC's Business & Research Park. The phase two project for Upper Pine Run

Project Rationale

Aquatic Health: Separating a portion of the existing combined sewage system, the discharge raw sewage into the Susquehanna river will be slightly reduced. Compliance: This work is necessary to bring the system into compliance with the requirements of the Sewage Facilities Act Infrastructure Health: The existing system is no longer able to provide proper drainage.

The project will reduce polluted sediment amounts and increase water quality.

This project will reduce storm water flows that during wet weather events that contribute to discharges of sewage and non-point sources of pollutants to the Allegheny, Monongahela and Ohio Rivers. In addition, trees will improve overall air quality.

Prospective wildlife habitat development and water improvement are the overall benefits of this program.

Benefits include the reduction of pollutants, ammonia, nitrates, suspended solids, iron, lead, manganese and zinc, respectively. An eco-friendly solution and maximum local land use for storm water runoff and use of local materials will also be used on this project.

Recipient Name	Recipient Type	Recipient State/Territory	Federal Formula Program	Employee Name
Pennsylvania Infrastructure Investment Authority	Governor	Pennsylvania	Clean Water State Revolving Fund	Paul K. Marchetti

Title	Phone Number	Fax Number	Email	Mailing Address
Executive Director PENNVEST	717-783-4496	717-787-0804	pmarchetti@state.pa.us	22 South Third Street,Fourth Floor, Harrisburg, PA 17101

Recipient Name	Recipient Type	Recipient State/Territory	Federal Formula Program	Recipient DUNS Number	Recovery Act Funds Allocated	Recovery Act Funds Obligated	Recovery Act Funds Outlaid	Number of Projects Put Out to Bid	Recovery Act Funds Associated with Projects Put Out to Bid
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Number of Projects Under Contract	Recovery Act Funds Associated with Projects Under Contract	Number of Projects in Which Work Has Begun	Recovery Act Funds Associated with Projects in Which Work Has Begun	Number of Projects in Which Work Has Been Completed	Recovery Act Funds Associated with Completed Projects	Number of Direct, On-Project Jobs Created or Sustained by Recovery Act Funds	Total Job Hours Created or Sustained by Recovery Act Funds	Total Payroll of Job Hours Created or Sustained by Recovery Act Funds
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