

DEPARTMENT OF ENVIRONMENTAL PROTECTION					
Project Type	Project Name	Project Description	Grantee/Contractor	Award	County
Abandoned Mine Reclamation	Nesquehoning Southwest, OSM 13(4653)101.1	AML Surface Mine Reclamation - 19 acres. Total cost: \$373,852	Contractor: Endless Mountain Business Holdings, Inc.	\$250,000.00	Carbon
Abandoned Mine Reclamation	Freedom, OSM 04(1261)102.1	Mine Subsidence Control - 5 acres. Total cost: \$1,550,937	Contractor: Howard Concrete Pumping Co., Inc.	\$1,040,000.00	Beaver
Abandoned Mine Reclamation	Grassy Island Creek, OSM 35(1524)102.1	Abandoned Mine Land Reclamation - 62 acres. Total cost: \$1,849,800	Contractor: Earthmovers Unlimited, Inc.	\$1,240,000.00	Lackawanna
Abandoned Mine Reclamation	Grassy Island, OSM 35(3742)201.1	AML Surface Mine Reclamation - 117 acres. Total cost: \$2,322,642	Contractor: Minichi, Inc.	\$1,560,000.00	Lackawanna
Abandoned Mine Reclamation	Dennys Mills North, OSM 10(3917)101.1	AML Surface Mine Reclamation - 9 acres. Total cost: \$124,498	Contractor: Morgan's Excavating	\$91,498.00	Butler
Abandoned Mine Reclamation	Findlay Run West, OSM 10(0760)101.1	AML Surface Mine Reclamation - 20 acres. Total cost: \$492,767	Contractor: E. M. Brown, Inc.	\$402,767.00	Butler
Abandoned Mine Reclamation	Gray Hill, OSM 24(0525)101.1	AML Surface Mine Reclamation - 85 acres. Total cost: \$2,725,632	Contractor: Bernier Construction, Inc.	\$1,965,632.40	Elk
Abandoned Mine Reclamation	Green Valley School (Naysmith Rd), OSM 02(1592)101.1	Mine Subsidence Control - 3 acres. Total cost: \$662,198	Contractor: Enviro Drill, Inc.	\$547,698.00	Allegheny
Abandoned Mine Reclamation	Wyerough Run North, OSM 11(4789)101.1	AML Surface Mine Reclamation - 32 acres. Total cost: \$487,419	Contractor: Earthmovers Unlimited, Inc.	\$348,019.00	Cambria
Abandoned Mine Reclamation	Eddy Creek, OSM 35(2078)102.1	AML Surface Mine Reclamation - 20 acres. Total cost: \$3,164,650	Contractor: Minichi, Inc.	\$2,340,979.00	Lackawanna
Abandoned Mine Reclamation	Greenwood, OSM 35(3735)102.1	AML Surface Mine Reclamation - 21 acres. Total cost: \$682,146	Contractor: Utilities Forestry Services, Inc.	\$479,268.50	Lackawanna
Abandoned Mine Reclamation	Mount Pleasant, OSM 54(3633)103.1	AML Surface Mine Reclamation - 23 acres. Total cost: \$942,757	Contractor: Reading Anthracite Company	\$771,161.40	Schuylkill

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Abandoned Mine Reclamation	Kersey, OSM 24(0519)101.1	AML Surface Mine Reclamation - 74 acres. Total cost: \$2,619,123	Contractor: P & N Coal Company, Inc.	\$2,048,822.84	Elk
Abandoned Mine Reclamation	Goheenville N.E. (Mahoning Lake), OSM 03(3359)101.1	AML Surface Mine Reclamation - 36 acres. Total cost: \$839,866	Contractor: Earthmovers Unlimited, Inc.	\$724,866.00	Armstrong
Abandoned Mine Reclamation	Caledonia Northwest, OSM 24(0521)101.1	AML Surface Mine Reclamation - 20 acres. Total cost: \$543,367	Contractor: Bernier Construction, Inc.	\$393,367.05	Elk
Abandoned Mine Reclamation	Drane, OSM 17(1946)101.1	Water Line Extension Total cost: \$3,482,229	Contractor: JR Contracting, LLC	\$2,386,229.40	Clearfield
Abandoned Mine Reclamation	Dolph Colliery Mine Fire	Mine Fire Control Total Cost: \$9,300,000	Office of Surface Mining	\$3,900,000.00	Lackawanna
Abandoned Mine Reclamation	Slippery Rock South - OSM 10(0674)101.1	Abandoned Mine Land Reclamation - 21 acres. Total cost: \$282,419	Contractor: Earthmovers Unlimited, Inc.	\$202,419.00	Butler
Abandoned Mine Reclamation	Humboldt S.W. - OSM 40(1372,1374)101.1	Abandoned Mine Land Reclamation - 108.3 acres. Total cost: \$2,822,411	Contractor: Russell Postupack Culm Corp., Inc.	\$2,297,410.90	Luzerne
Abandoned Mine Reclamation	Freeland South - OSM 40(1381)101.1	AML Surface Mine Reclamation - 15 acres. Total cost: \$317,982	Contractor: Brdaric Excavating, Inc.	\$275,000.00	Luzerne
Abandoned Mine Reclamation	Drifton - OSM 40(3217)101.1	AML Surface Mine Reclamation - 15 acres. Total cost: \$178,879	Contractor: Earthmovers Unlimited, Inc.	\$143,879.00	Luzerne
Abandoned Mine Reclamation	Alvan (Great Trough Creek) - OSM 29(0280)102.1	AML Surface Mine Reclamation - 25 acres. Total cost: \$671,185	Contractor: Bernier Construction, Inc.	\$200,185.10	Fulton
			<b>22</b>	<b>\$23,609,202.59</b>	

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Acid Mine Drainage Abatement, Innovative Treatment of Deep Mine Discharge	Green Mountain Tunnel Water Treatment Plant, OSM PA(AMR-05)CANDO GREEN MTN TUNNEL	Acid Mine Drainage Abatement. This proposal proposes to build a water treatment plant to treat the one mgd from the Green Mountain Tunnel and sell the water to the Humbolt Industrial Park. The industrial park is in need of an additional one mgd of water to allow for expansion and the potential creation of 4,800 jobs.	CANDO, Inc.	\$2,222,100.00	Schuylkill
Acid Mine Drainage Abatement	Gum Boot Run, AMD 42(0420)101.1	Acid Mine Drainage Abatement. Total cost: \$1,089,767	Contractor: E. M. Brown, Inc.	\$856,463.00	McKean
Acid Mine Drainage Abatement	Glacial Minerals, Inc. (Strattanville), BF 445-202.1	Acid Mine Drainage Abatement. Total cost: \$1,576,000	Contractor: Quality Aggregates, Inc.	\$1,576,000.00	Clarion
Acid Mine Drainage Abatement	Glacial Minerals, Inc. (Reed) - BF 445-203.1	Acid Mine Drainage Treatment - Passive - 8 acres. Total cost: \$1,250,000	Contractor: Quality Aggregates, Inc.	\$1,164,729.09	Clarion
Acid Mine Drainage Abatement	Liquid to liquid extraction	Adapt a water purification process to treat acid mine drainage or acid rock drainage at mine sites then use as a feed stock for saleable quantities of commodity chemicals.	Winner Research & Technology Institute, Inc.	\$1,500,000.00	Mercer
			<b>5</b>	<b>\$7,319,292.09</b>	
Brownfields	Three PNC Plaza	Prepare a 1.33 acre site for development into a 780,000 sq. ft. mixed use building by removing asbestos in and the demolition of 8 existing deteriorated buildings.	Urban Redevelopment Authority of Pittsburgh	\$1,000,000.00	Allegheny

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Brownfields	American Electric Site	The project will be the largest recent development in the Manchester community and is intended to boost the local economy by the creation of 150 jobs over the next four years. The grant is to cover work plan development and remediation that will ultimately demonstrate compliance with Statewide Health Standards. The end-use of the property is residential development.	Manchester Citizens Corporation	\$275,000.00	Allegheny
Brownfields	Coventry Properties	Sponsor site assessment activities on this 2 parcel, 3.18-acre project site, located in Spring City Borough, Chester County. Future anticipated use for these parcels is anticipated to be a combination of residential and commercial uses. Renovations would likely included modernization of facilities, landscaping and site grading to facilitate development.	Chester County Economic Development Corp.	\$125,000.00	Chester

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Project Type	Project Name	Project Description	Grantee/Contractor	Award	County
Brownfields	Tasty Baking	Conduct the environmental assessment, remediation, and demolition necessary to prepare a portion of the former Philadelphia Navy Yard for redevelopment. Remediation activities are expected to include: confirmation sampling and analysis for asbestos and lead-based paint, soil sampling and analysis, removal and disposal of non-friable asbestos, demolition activities, removal of underground storage tanks, site clearing, pile cap removal/remediation, and spreading and capping of contaminated soils.	Philadelphia Authority for Industrial Development (PAID)	\$1,400,000.00	Philadelphia
			<b>4</b>	<b>\$2,800,000.00</b>	
New or Innovative Drinking Water/Wastewater Treatment	Repair and Rehabilitation of Topton Borough's Sewage Collection and Conveyance System	Repair and rehabilitation of Topton Borough's Sewage Collection & Conveyance System. Over the last few years the Borough has been working towards compliance with a Consent Order and Agreement with the PA Department of Environmental Protection to resolve wet weather flow problems and hydraulic overloads. This project intends to use trenchless pipe renewal systems that specifically address Sewer Lateral Pipes. The repair and rehabilitation project will use innovative and unique cured-in-place pipe (CIPP) products that cause minimal disruption, yet provides quality surpassed by none.	Borough of Topton	\$112,500.00	Berks

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Project Type	Project Name	Project Description	Grantee/Contractor	Award	County
New or Innovative Drinking Water/Wastewater Treatment	Installation of a Holistic Treatment System	Installation of a holistic treatment system for the removal of naturally occurring arsenic in the groundwater being withdrawn from an existing well supplying Hilltown Township public water system.	Hilltown Township Water & Sewer Authority	\$500,000.00	Bucks
New or Innovative Drinking Water/Wastewater Treatment	Installation of a Fournier Industries, Inc. Rotary Press	Install a rotary sludge press for dewatering of the sludge at the wastewater treatment facility.	Shenandoah Municipal Sewer Authority	\$403,200.00	Schuylkill
New or Innovative Drinking Water/Wastewater Treatment	Symbio Monitoring and Control System project	Use of the Symbio process to control the aeration portion of the wastewater plant. This system measures the NADH fluorescence in the wastewater floc to adjust air flow from the plant blowers. Treatment is achieved at dissolved oxygen levels that are lower than the plant normally operates and energy useage is expected to go down. In addition, the process will provide treatment for Nitrogen and Phosphorus to achieve levels established to assist in the recovery of the Chesapeake Bay.	Wellsboro Municipal Authority	\$483,513.00	Tioga

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New or Innovative Drinking Water/Wastewater Treatment	Construction of a Membrane Bioreactor (MBR) in the Borough of Mifflinburg	Current plant is not capable of meeting the proposed limits of 8.0 mg/l of Total Nitrogen and 1.0 mg/l of Total Phosphorus. The Membrane Bioreactor (MBR) allows for biological nutrient removal in a very small footprint and provides exceptional water quality. The proposed treatment facility will be housed within the existing SBR tankage, reducing construction costs and allowing for a staged construction of the treatment facility. This facility would be one of the first in PA.	Borough of Mifflinburg	\$500,000.00	Union

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New or Innovative Drinking Water/Wastewater Treatment	Upgrade of treatment facility from conventional mechanical aeration to fine-pore (bubble) aeration	Upgrade from mechanical aeration to fine pore bubble aeration at the wastewater treatment plant. In the early 1970's when the plant was designed and built, mechanical aeration was the preferred step in wastewater treatment where air is added to wastewater for mixing purposes and the enhancement of biological growth. The purpose of aeration is to dissolve oxygen into wastewater so that the microorganisms can utilize it while they break down organic material. Technology has since provided other options to provide aeration to wastewater other than by mechanical means. The introduction of fine bubble aeration as a subsurface system to introduce air from diffusers into the basin provides advantages such as higher oxygen transfer efficiency, higher aeration efficiencies (mass oxygen transferred per unit power per unit time), easy adaptability to existing basins for plant upgrades, lower volatile organic compound emissions results.	Minersville Sewer Authority	\$100,000.00	Schuylkill
			<b>6</b>	<b>\$2,099,213.00</b>	
Oil & Gas Well Plugging	BOGM 06-17	Plug 27 abandoned oil wells, some of which are leaking oil.	Contractor: ALCO Well Services, Bradford, PA	\$221,962.00	McKean
Oil & Gas Well Plugging	BOGM 06-18	Plug 64 abandoned oil wells some of which are leaking oil.	Contractor: Phillips & Dart Oil Field Services, Inc., Gilford, PA	\$358,038.00	McKean
			<b>2</b>	<b>\$580,000.00</b>	



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Project Type	Project Name	Project Description	Grantee/Contractor	Award	County
PA Energy Development Authority	Utilization of Biomass for Heating Benton Area School District	Installation of a biomass boiler system in the Benton Area School District . The system would replace 37,000 gallons of oil a year and use local biomass materials such as native grass pellets, wood pellets, and corn due to the flexible fuel capabilities of this boiler system. The proposal states a reduction in air pollutants and conservation of energy, as well as economic benefits and cost-saving for the school district.	Benton Area School District	\$350,000.00	Columbia
PA Energy Development Authority	Wood Pellet Facility in Ulysses, PA	PA Pellets, a start-up wood pellet manufacturer will use indigenous resources including sawdust and forest thinning by products as feedstock to manufacture wood pellets for sale. PEDA funds will be used to purchase and assemble the pelletizing equipment. The pellets would be mainly marketed to owners of pellet stoves for heat. At full production it is estimated that enough renewable fuel pellets will be manufactured and used to offset 8.8 million gallons of #2 fuel oil or 21.1 million therms of natural gas annually. PA Pellets is proposing to reuse former manufacturing facility in Ulysses, PA and create 35 fulltime jobs.	PA Pellets LLC	\$325,000.00	Potter

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PA Energy Development Authority	Allentown Solar Photovoltaic Power Plant Installation	First phase of an installation of a solar photovoltaic (PV) array at the City of Allentown's Bridgeworks facility, a brownfield industrial reuse building. The proposed size will be a 68 kW system, over a roof area of 5300 square feet, generating approximately 72,300 kWh per year. The ultimate goal is to utilize an area of 105,050 square feet that will generate 1344 kW of electricity with an estimated annual generation of 1433 MWh.	City of Allentown	\$517,045.00	Lehigh
PA Energy Development Authority	Energy Farmers Implementation - Phase 1	Install photovoltaic systems on 21 different farms throughout, totalling 120 kW of solar power in all. The purpose of this distribution, rather than one 120 kW system, is to spread the solar technology, send the message of renewable energy to all regions of the state and demonstrate the viability of aggregation. This program will lower operational costs on farm, raise awareness of renewable energy among a large population of the state, create new jobs, and improve air quality.	Mesa Environmental Sciences, Inc.	\$491,741.00	Multiple

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PA Energy Development Authority	Elk Regional Health Center Alternative Fuels Project	Installation and implementation of a biomass system as a way to develop alternative fuel usage, reduce landfilling costs, and operate a more cost-efficient heating and cooling system. The system would utilize wood by-products from nearby state and federal forested lands as a fuel source to reduce natural gas costs by an average of 23% annually.	Elk Regional Health Center, Inc.	\$500,000.00	Elk
PA Energy Development Authority	Keystone BioFuels Shiremanstown Biodiesel Plant Expansion	Expansion of Keystone BioFuels current biodiesel production capacity from 1 to 7 million gallons per year.	Keystone BioFuels, Inc.	\$1,000,000.00	Cumberland
PA Energy Development Authority	46 Solar PV Systems at Government, Commercial and Nonprofit Entities	Purchase and install 46 Solar PV systems on southeast PA buildings. The program would provide 188 kW of solar, providing 206,119 kWh/year, while displacing 254,371 lbs CO <sub>2</sub> , 1,961 lbs SO <sub>2</sub> , and 559 lbs NO <sub>x</sub> .	TRF Sustainable Development Fund	\$701,366.00	Multiple
PA Energy Development Authority	Deployment of a Biomethane Purification Plant at the PWD's Northeast WPCP	Installation of a purification system to scrub digester gas to pipeline quality. The gas purification system will be located at the Northeast Water Pollution Control Plant (NEWPCP) and will scrub all of the digester gas produced at the facility to pipeline quality gas.	City of Philadelphia Water Department	\$500,000.00	Philadelphia

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PA Energy Development Authority	Middle Road Volunteer Fire Department Solar Power Generation Project	Purchase and installation of a 3.2 kW solar power generation system. The energy generated by this system will provide supplemental power and in the event of a power outage will provide battery backup power to essential functions. Any power exceeding the demand for the battery recharging will be net metered through a power purchase agreement.	Middle Road Volunteer Fire Department	\$51,388.00	Allegheny
PA Energy Development Authority	Multi-Megawatt Phosphoric Acid Fuel Cells Using Coke Oven Gas	Installation of a 2 megawatt PAFC (air cooled) at US Steel's Mon Valley facility fueling it using surplus hydrogen rich gas from coke oven operations. The intent is to bench test this FC application and scale up to 20 megawatts.	HydroGen LLC	\$250,000.00	Allegheny

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PA Energy Development Authority	Sustainable Energy Generation: Sewage Treatment; Public Water Supply; Emergency Shelter	Installation of wind and solar power generators in Chest and White Townships. The purpose of these systems is mainly to serve as a back-up system to power drinking water to the community in case of a power outage, which is quite common in these areas. Furthermore, because these systems will be operating at all times, they will reduce the amount of fossil fuel generated electricity needed to operate the plant by 83,000 kWh per year. Specifically... Water supply-1 wind turbine and 1 solar system 1/ Provide a renewable (solar) power source to lift water from one supply well to the central water storage plant. 2/ Provide renewable (wind) power to operate the potable water treatment plant. Sewage treatment- Solar generation 1/ Standby/backup emergency power for operation of a UV filtration system Property owners association emergency community shelter-Solkar generation 1/ Provide reliable emergency community shelter power during power outages (lights and heat).	Glendale Yearound Water Company	\$150,059.00	Cambria
PA Energy Development Authority	Center of Excellence for Advanced Energy Systems Manufacturing Phase I	Establish a Center for Excellence for Advanced Energy Systems Manufacturing in PA. The primary focus of this proposal is to develop a pilot manufacturing facility for SOFC and PEMFC assembly.	Kuchera Defense Systems, Inc.	\$391,548.00	Cambria

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PA Energy Development Authority	Micro-Hyrdo Turbine	Installation of a 25kW turbine-generator on an existing water line; this will also provide a necessary pressure reduction for the line. The grant is for design, equipment and land purchase, and construction and interconnection.	Southwestern Pennsylvania Water Authority	\$299,000.00	Greene
PA Energy Development Authority	Somerset Methane Project	Landfill gas projects at Southern Alleghenies and Shade Landfills. The projects will turn landfill gas into pipeline quality gas generating over 3,000 MM/Btu's per day initially and up to 5,000 MM/Btu's per day by year 10. The pipeline gas from each landfill will be transported via new pipelines from the facilities to Dominion People's commercial pipeline.	Johnstown Regional Energy LLC	\$250,000.00	Somerset
			<b>14</b>	<b>\$5,777,147.00</b>	
Remining Incentives	Finley Run Operation	Assistance to small mine operators for development of design/permit applications for remining and to address ongoing abandoned mine discharges.	Allegheny Enterprises Inc.	\$32,078.00	Cameron
Remining Incentives	Turkey Hill Operation	Assistance to small mine operators for development of design/permit applications for remining and to reclaim dangerous highwall, reclaim abandoned mine land, and eliminate abandoned mine discharges.	Bell Resources Inc.	\$34,517.00	Clearfield

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Remining Incentives	Mease #2 Operation	Assistance to small mine operators for development of design/permit applications for remining and to reclaim dangerous highwall, reclaim abandoned mine land, and eliminate abandoned mine discharges.	Junior Coal Co.	\$33,343.00	Clearfield
Remining Incentives	Wymps Gap Operation	Assistance to small mine operators for development of design/permit applications for remining and to address abandoned mine discharges..	Charles L. Swenglish & Sons Coal Co.	\$18,854.00	Fayette
Remining Incentives	Babb Creek - Rattler Mine	Remining and reclamation of a site containing a polluttional mine discharge, including day-lighting of underground mine workings and alkaline amendments which will result in abatement of the discharge.	To be bid	\$557,796	Tioga
Acid Mine Drainage Abatement	Bernice Mining's Lewis Mine Discharge	Construct a passive treatment system on an abandoned mine discharge which flows to a tributary of Loyalsock Creek	Adams Enterprises	\$164,455	Sullivan
			<b>6</b>	<b>\$841,043.00</b>	

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Watershed Protection	Klondike SAPS O,M,R	Rehabilitation of the Klondike SAPS, constructed in 1998. The treatment system has performed very well since its construction. Starting in 2004 a noticeable decline in flow through the system has occurred due to precipitate metals. The precipitates accumulate in the upper compost/limestone layer eventually forming a hard somewhat impervious mat. Typically mechanical mixing and agitation can restore the flow through the mushroom compost/limestone layer. The layer has been remixed several times. Eventually the layer needs to be replaced. The compost layer replacement schedule is 5-10 years. Approximately 300 yd3 of spent compost will be removed and replaced with 900 yd3 of fresh material.	Babb Creek Watershed Association, Inc.	\$18,955	Tioga



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Watershed Protection	Lucerne 3A AMD Treatment System Construction Project	Installation of a non-electric, water driven limestone silo to treat the Lucerne 3A deep mine discharge (100 gpm, 2.7 pH, 0/600 alk/acid, 56 Fe, 44 AL). A wetland will be used to settle out the Fe and AL before discharge to a recovering wild trout stream. A grant application for additional site improvements was awarded to the Indiana County Parks for a handicapped fishing access, canoe launch, trail, environmental ed building and ed piosks (DCNR grant request \$70,000).	Indiana County Conservation District	\$196,000	Indiana
Watershed Protection	Bell's Gap Run Watershed Improvements	Design and construct the following watershed improvements above the Bellwood drinking reservoir: divert trib flow away from deep mine opening, rehabilitate an ALD system, rip rap an eroding outlet, sample passive treatment system, and install project signs.	Altoona City Authority	\$68,000	Multiple
Watershed Protection	Filson #7 (Little Mill Creek) AMD Redesign and Reconstruction	Construct two ALDs in place of existing ponds and construct a pond in an abandoned AMD research treatment site in order to precipitate iron from the Filson #7 site, improving water quality in Little Mill Creek.	Headwaters Charitable Trust	\$140,000	Jefferson
Watershed Protection	Sharp Mountain Phase V Reclamation Project	Reclaim dangerous cropfall subsidence features in the City of Pottsville that are a threat to public health and safety and contribute to AMD in the Schuylkill River Watershed.	City of Pottsville	\$940,000	Schuylkill

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Watershed Protection	Coal Run In-Stream Lime Silo Project	Installation of a lime-silo doser on Coal Run to counteract the AMD from countless seeps along the entire watershed. Instream treatment of highly acidic Coal Run will protect the Casselman River fishery from periodic high acid events that have historically damaged the Casselman River.	Somerset County Conservation District	\$285,000	Somerset
Watershed Protection	Contrary Run Mine Area SM-5 Restoration	Cleanup and restoration of Contrary Run. Currently Contrary Run is most significant contributor of AMD to Sandy Run and Beech Creek in Center and Clinton County. The project will design, permit, reclaim, reconstruct and restore two stream reaches of Contrary Run that have been destroyed by abandoned surface mines. Reclamation work includes 1550 feet stream reconstruction to pre-mining drainage patterns, backfilling a hazardous 200' x 100' x 50' water filled open pit in the original stream channel that intercepts headwater flows, reestablishment of surface flows away from a second open cut, reestablishment of riparian wetlands, elimination of water ponding and infiltrating into deep mine workings, 7.8 acres of surface mine reclamation, and significant addition of alkaline material to neutralize acidic spoils.	Beech Creek Watershed Association, Inc.	\$464,336	Centre

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Watershed Protection	Conifer Discharge Treatment System	Address clogging of the Conifer I treatment system by constructing a developing technology that is simple in concept, designed for low cost maintenance, and can be retrofitted into the Conifer I treatment system without expending funds on expensive design work and piping. A large sloping limestone bed will be constructed to precipitate aluminum and iron, reducing the acid and metal loading and aiding in attaining goals set in the TMDL for Beaver Run.	Jefferson County Conservation District	\$300,000	Jefferson
Watershed Protection	Tubmill Creek AMD Limestone Doser Treatment System	Site specific design and construction of a self-regulating lime doser to treat the largest AMD discharge to Tubmill Creek. Operation and maintenance is to be done by CVC, KV-Stream Team, and Tubmill Trout Club.	Conemaugh Valley Conservancy	\$164,650	Westmoreland
Watershed Protection	Bear Run Abandoned Mine Drainage Restoration Phase II (SBD17 and Keal Run)	Construct a limestone siphon pond to treat the #2 priority seep on the South Branch Bear Run (3.4 pH, 0/62 alk/acid, 2 Fe, 4 AL, 130 gpm) so as to reduce part of the pollution load needed to meet TMDL goals.	Indiana County Conservation District	\$173,000	Indiana
Watershed Protection	PA Conservation Reserve Enhancement Program: Original, Northern Expansion and Ohio Basins	Continue the Conservation Reserve Enhancement program in 59 counties.	Pennsylvania Association of Conservation Districts, Inc.	\$5,200,000	Multiple

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Watershed Protection	Municipal Campus Storm Water BMP Showcase	Construct a series of innovative stormwater BMPs, including porous concrete, asphalt, bioswales, rain gardens, and sediment forebays to alleviate sediment pollution into Lititz Run.	Warwick Township	\$65,539	Lancaster
Watershed Protection	Shober's Run Stream and Floodplain Restoration	2000 feet of an historical mill dam area will be restored to as much as possible stream floodplain by removal of legacy sediments.	Community Foundation of Greater Johnstown dba Community Foundation for the Alleghenies	\$200,000	Bedford
Watershed Protection	Crawford County High School Volunteer Streambank Restoration Program II	High school student led streambank restoration. Will educate up to 1000 students by involving them in on-the-ground riparian plantings in Crawford County, with help from 2004 teacher of the year, Jason Drake.	Crawford County Conservation District	\$72,539	Crawford
Watershed Protection	Tioga County Ag BMP Project	Install agricultural BMPs on 3 farms in the Corey Creek watershed and one farm in the Pine Creek watershed. BMPs include stream bank fencing, heavy use area protection, heavy use area walkways, diversions, roof runoff protection, spring development and waste transfer systems. Inventory and evaluations (I&Es) were conducted on all farms to identify needed BMPs and cost estimates provided. Nutrient management and updated conservation plans will be required to participate in the program, but only one of the farms currently has a nutrient management plan. Farmers will be required to pay a 20% cost share.	Tioga County Conservation District	\$75,000	Tioga

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Watershed Protection	Hicks Creek Maintenance Phase 1 Section 3	Design and construction of Hick's Creek channel restoration, including: sediment removal, stream bank stabilization, removal of invasive vegetation, and planting of native vegetation approved for DEP flood projects.	Exeter Borough	\$220,593	Luzerne
Watershed Protection	Yellow Breeches Creek Dam Removal Project	Complete survey, design permitting and removal of two dams on Yellow Breeches Creek in Cumberland and York Counties.	Cumberland Valley Chapter of Trout Unlimited, Inc.	\$110,000	Cumberland
Watershed Protection	Hicks Creek Schooley Avenue Stream Bank Stabilization	Design and construction of Hick's Creek at 995-1000 Schooley Avenue using natural channel design.	Exeter Borough	\$246,084	Luzerne
Watershed Protection	Conoy Creek Floodplain Restoration	Reconnect 3,200 feet of Conoy Creek to its historical flood plain by removal of legacy sediments and streambank/channel stabilization. Will stop active erosion and monitor improved water quality and quantity.	ILC Corp.	\$413,000	Lancaster
Watershed Protection	Mehoopany Creek Problem Area 6, Segments D & E Construction	Mehoopany Creek, Problem Area D&E will include channel restoration for a stream reach of approximately 2,000 feet just north of State Route 87 in Forkston Township, Wyoming County.	Mehoopany Creek Watershed Association	\$528,304	Wyoming
Watershed Protection	Buffalo Creek Fish Habitat and Streambank Stabilization IV	Installation of in-stream structures to protect/improve 500 ft. of Buffalo Creek (HQ stream).	Trout Unlimited, Arrowhead Chapter	\$15,000	Armstrong

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Watershed Protection	Plum Creek Stream Bank, Fish Habitat, and Riparian Corridor Restoration - Phase III	Address severe impacts from erosion along Plum Creek in Armstrong County. Sediment loading into Plum Creek will be reduced, riparian buffer zones will be established, and fish habitat will be created. The project will use Natural Stream Design/Rosgen methodology in order to address stream bank restoration in 7 different locations along Plum Creek.	Armstrong Conservation District	\$65,325	Armstrong
Watershed Protection	Riparian Buffer Restoration	Creation of a riparian buffer along 375 feet of a tributary to the Jordan Creek at the Heidelberg Township Municipal Building.	Heidelberg Township	\$8,950	Lehigh
Watershed Protection	Cooks Creek Stream Restoration Project	Construction of 1500' of streambank restoration, 900' of riparian buffer, and pre and post monitoring of areas.	Bucks County Chapter of Trout Unlimited	\$75,000	Bucks
Watershed Protection	Ridley Dam Removal & Riparian Restoration	Remove an old dam on the Ridley Creek, and concurrently to remove invasive plants and restore the riparian area adjacent to the dam site. The site is part of a township-owned park that is maintained as a natural area. Ridley Creek has been the subject of a focused effort to remove barriers to fish passage, and has been stocked with migratory fish species by the Fish and Boat Commission.	Willistown Township	\$69,328	Chester

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Project Type	Project Name	Project Description	Grantee/Contractor	Award	County
Watershed Protection	Yoder Dairy Farm Stormwater Buffering	Design and construct a manure storage facility, install rain gutters on the barnyard area to reduce the NPS pollution flowing through the cattle space, plant trees in the upland wetland area so to shade the headwaters stream (Middle Creek, tributary to the Perkiomen, located in Douglass Twp, Montgomery County), create a storage pad for feed/bed materials, create concrete curbing around cattle stalls to re-direct run-off and develop a phosphorous-based nutrient management plan.	Montgomery County Conservation District	\$103,140	Montgomery
Watershed Protection	Limestone Run Restoration Project	Implement agricultural BMPs as part of a restoration plan on a 303(d) listed stream. Streambank fencing, creation of a riparian buffer, installation of water systems and cattle crossings, development of a nutrient management plan, soil and manure testing, installation of fish habitat and a log dam removal are all proposed on a critical farm in the headwaters of the watershed.	Northumberland County Conservation District	\$25,000	Montour

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Project Type	Project Name	Project Description	Grantee/Contractor	Award	County
Watershed Protection	Cathedral Run Watershed Project - Phase I	Construct a 2800 cubic-yard stormwater infiltration gallery along Sequoia Road within the Cathedral Run watershed (a tributary to the Wissahickon) located in Philadelphia (Andorra section). The infiltration basins and associated BMPs are only Phase I of an overall multi-purpose comprehensive watershed management plan to improve water quality and quantity from stormwater run-off events within this highly urbanized watershed.	Fairmount Park Commission	\$273,180	Philadelphia
Watershed Protection	Little Conestoga Creek Restoration (Manor II)	Restore and stabilize 3,700 feet of eroding stream channel along the Little Conestoga using fluvial geomorphology methods. Grassed and riparian buffers will be planted along the 3700 section afterwards.	Little Conestoga Watershed Alliance	\$169,000	Lancaster
Watershed Protection	PEEC Stormwater Remediation Project	Design and construction of stormwater best management practices. Three different BMPs will be installed to solve stormwater problems at an environmental education facility.	The Pocono Environmental Education Center	\$121,600	Pike
Watershed Protection	Agricultural Best Management Practices Implementation Program III	Install BMPs on 17 farms. Nine farms are located in identified agriculturally impaired stream areas and 8 farms are in areas of environmental concern. The practices deal directly with sediment erosion control, carbon sequestering, nutrient and conservation plan development, stream bank fencing, riparian buffers etc.	Centre County Conservation District	\$130,000	Centre



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Project Type	Project Name	Project Description	Grantee/Contractor	Award	County
Watershed Protection	PRC Pond/Wetland Restoration	Complete a riparian restoration project that was begun previously with another funding source, but was necessarily limited in scope. The proposed riparian restoration (planting) would serve to protect an on-site 1-acre pond from impacts associated with runoff from an adjacent horse pasture. Consequent reductions in nutrient loading would be expected in the stream to which the pond overflows. PRC conducts educational programs at this facility on a continuous basis, and would use the project to educate people about watershed issues.	Pennsylvania Resources Council, Inc.	\$14,514	Delaware
Watershed Protection	Colebrook Creek Natural Stream Channel and Riparian Ecosystem Restoration	3,500 linear feet of comprehensive stream channel restoration and associated riparian buffer restoration and stormwater BMP installation along Cloebrook Run, a 2nd order tributary to the West Valley Creek in the Brandywine/Christina River Basin.	Chester County Conservation District	\$400,000	Chester
Watershed Protection	Hix Stream Bank Restoration and Fencing Project	Project will implement agricultural BMPs by fencing cattle out of 1700 feet of Irish Creek, and planting a riparian buffer zone as well as additional bank stabilization work.	Berks County Conservancy	\$15,000	Berks

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Project Type	Project Name	Project Description	Grantee/Contractor	Award	County
Watershed Protection	Upper Sugar, Tomjack, and Brown's Creek Stabilization Project	Stabilize approximately 3000 feet of eroding stream banks by cutting back banks, stabilizing with rock where needed, and re-vegetating. An assessment of the watershed conducted by the conservation district identified 166 stream segments exhibiting channel instability. Funding received from this request would be focused in the head water areas of upper Sugar Creek, upper Tomjack Creek, and upper Brown's Creek. In order to best utilize available funds, potential sites will be ranked based on a number of criteria including: tons of sediment produced, willingness of the landowner to establish a riparian buffer and width of buffer, impact to a structure, and accessibility.	Sylvania Borough	\$125,000	Bradford
Watershed Protection	Construction of a Remediation System to Address Acidic Deposition Impacts in Buffalo Creek	Construct a passive treatment system to remediate a 303(d) listed segment where a TMDL has been developed. The remediation stream length is 7.4 miles of chronically acidified water supporting no fish life and minimal biota.	Merrill W. Linn Land and Waterways Conservancy	\$290,000	Union
Watershed Protection	Nine Mile Run Rain Barrel Initiative	Install approx 3500 rainbarrels in the highly urban Nine Mile Run Watershed. They will target subwatersheds, monitor flow reductions and CSO discharge impacts.	Nine Mile Run Watershed Association, Inc.	\$406,439	Allegheny

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Project Type	Project Name	Project Description	Grantee/Contractor	Award	County
Watershed Protection	Darby and Cobbs Creek Watershed Stormwater Program	PEC will follow up their technical assistance project titled "Stormwater Retrofit Demonstration Program," which was funded by CZM. That project produced conceptual designs for stormwater retrofits at 16 sites, most of them in heavily urbanized landscapes. This grant will fund final design and construction for two of those retrofit projects; a parking lot at a Borough Office building and a municipal park and playground; and also to create a riparian wetland in a headwaters stream that crosses a hospital property. All three sites are located in the Cobbs Creek watershed.	Pennsylvania Environmental Council, Inc.	\$140,000	Multiple
Watershed Protection	Villanova BMP RainGarden Cluster	Reduce the first inch of stormwater run-off from existing impervious site (effectively eliminating 85% yearly rainfall volume) and removing 80% of yearly loading of surface NPS pollution. Project would create 4 configurations of raingarden BMPs for the study/analysis of 4 different design principles referenced in the DEP's draft Stormwater BMP Manual which would provide a much needed source of research and scientific field verification.	Villanova University	\$69,483	Delaware
Watershed Protection	Adams County Stormwater Education Tour	Establishment of a self guided tour for the promotion of existing and proposed stormwater BMP's to a targeted audience.	Adams County Conservation District	\$20,000	Adams

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Project Type	Project Name	Project Description	Grantee/Contractor	Award	County
Watershed Protection	Best Management Practices	Design and implement agricultural best management practices farms in Indiana County. Agricultural Best Management Practices will consist of stream bank fencing, heavy use protection areas, spring development, roof runoff controls, stream crossings, and waterways. In addition, stream bank stabilization techniques are proposed on one farm to address issues of stream bank erosion.	Indiana County Conservation District	\$27,000	Indiana
Watershed Protection	Small Farm Agricultural Stewardship Program	Assist small farmers in Warren County with best management practices. The cost share will be 75% funded from the conservation district grant and the remaining 25% will be the responsibility of the property owner.	Warren County Conservation District	\$145,550	Warren
Watershed Protection	Crabby Creek Restoration Design, Permitting, and Construction	Restore Crabby Creek, a tributary of Valley Creek, using natural stream channel design and floodplain restoration. Project will address the following: stream and floodplain restoration; stormwater management; flood conveyance and reduction; wetland creation; groundwater recharge (infiltration); biohabitat enhancement; and sediment and nutrient reduction benefits.	Chester County Conservation District	\$12,800	Chester

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Project Type	Project Name	Project Description	Grantee/Contractor	Award	County
Watershed Protection	Corey Creek Reach B Phase 2 Construction Project	Construct a natural stream channel design project on Corey Creek. A previous GG grant and Chesapeake Bay Small Watershed grant were received for this purpose. However, the grantees did not receive the entire amount requested, and since that time construction costs have gone up and it was also determined that the grantee will need to pay prevailing wage. Therefore, they have broken the project into 2 phases and are requesting additional funds to complete construction.	Endless Mountains Resource Conservation and Development Council, Inc.	\$150,000	Tioga
Watershed Protection	Little Valley Creek Bank Restoration Project	Restore 900 feet of Little Valley Creek, including daylighting the stream that is currently piped in two culverts and buried under asphalt paving. Stream banks and floodplain will also be restored.	Chester County Economic Development Foundation	\$150,000	Chester
Watershed Protection	N Br Muddy Creek Restoration (Phase II)	Retrofit the stream channel with a stable normal flow channel and elevated flood plain benches, stream bank stabilization and aquatic habitat improvements that will ultimately lessen the erosion and non-point source pollution on the North Branch.	Felton Borough	\$197,632	York
Watershed Protection	Leid Farm Ag BMPs	Implement the Conservation Plan for an ag-preserved farm in an exceptional value stream, Pine Creek, by doing fencing and riparian buffer establishment.	Berks County Conservancy	\$10,000	Berks

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Project Type	Project Name	Project Description	Grantee/Contractor	Award	County
Watershed Protection	Saucony Marsh Ag BMPs	Establish Ag BMPs along an EV stream called Saucony Creek, by installing cattle exclusion fencing and riparian buffers.	Berks County Conservancy	\$10,000	Berks
			48	\$13,119,941.00	
			107	\$56,145,838.68	TOTAL