Project Type	Project	Project Desc	Grantee/Contractor	Award	County
Abandoned Mine Reclamation	Kelley Estate, SGL 321 - GG 18(6996)101.1	Reclaim 130 acres of Abandoned Mine Land in State Game Land 321 to promote elk habitat and develop areas for elk viewing. Total cost: $1,352,248	Rocky Mountain Elk Foundation	$1,352,248.00	Clinton
Abandoned Mine Reclamation	Little Wolf Creek - OSM 54(4666)201.1	This project will reclaim approximately 268 acres of abandoned mine strip pits with approximately 7,934,000 c.y. of on-site material. The pits range from 40 to 100 feet in depth and approximately 1.16 miles in length. The project also includes the removal of four abandoned mine structures and the construction of ditches and drainage structures to convey stormwater runoff. The main goal of the project is to eliminate public health and safety hazards associated with abandoned mine features at the site. Total cost: $10,859,042.	Contractor: Reading Anthracite Company	$5,859,042.40	Schuylkill
Abandoned Mine Reclamation	Porcupine Hollow II - OSM 24(3898)101.1	This project will restore a 49 acre abandoned surface coal mine to its approximate original contour. This will be done by backfilling approximately 3,500 linear feet of dangerous highwall that ranges in height from 40 to 50 feet. The highwall will be backfilled with 489,100 cubic yards of earthen material from the adjacent spoil piles. Other work at the site involves: installing erosion and sediment pollution controls, clearing and grubbing the grading area, constructing brush piles, incorporating 130,000 tons of alkaline material into the backfill, constructing permanent stormwater channels and basins, and revegetating all disturbed areas. The project site is located approximately three (3) miles north of the village of Benezette on State Game Lands No. 311 property. This surface mine reclamation project is part of a larger multi-agency effort to restore the Dents Run watershed. Total cost: $1,156,062.	Contractor: P & N Coal Company, Inc.	$775,000.00	Elk
Abandoned Mine Reclamation	Slabtown Northwest - OSM 03(1574)101.1	Reclamation work at the site will restore a 14 acre abandoned surface mine to approximate original contour. Two 50-foot high dangerous highwalls totaling 1200 feet in length will be backfilled. A 0.18-acre wetland will be constructed. The site will be revegetated with grasses. total cost: $215,885.	Contractor: T.P. Sanitation	$145,000.00	Armstrong
			4 Projects	**$8,131,290.40**	
Acid Mine Drainage Abatement, Innovative Treatment of Deep Mine Discharge	Construction of a Water Treatment Plant to treat the Green Mountain Tunnel Discharge to Provide Potable Water to Humbolt Industrial Park	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
			1 Project	**$2,222,100.00**	
Brownfields	128-34 N. Eighth	warehouse to condominiums & townhses	T-GM Ventures	$27,750.00	Lehigh
Brownfields	Abrams Metals	scrap yard to remediation & redevelopment	Woodland 58, LLC	$250,549.00	Philadelphia
Brownfields	Crawford Station plant	former power plant	SARAA/Crawford	$750,000.00	Dauphin
Brownfields	Federal North Redev.	historic neighborhood redevelopment	URA of Pittsburgh	$116,775.00	Allegheny
Brownfields	Goggle Works	former manufacturing plant	Greater Berks Dev	$131,250.00	Berks
Brownfields	Graybill Building	historic building to city market	York RDA	$112,500.00	York
Brownfields	ISG Bethlehem	former USX steel mill site	CREDC/Bethlehem Steel	$1,000,000.00	Dauphin
Brownfields	Lincoln/Larimer	neighborhood redevelopment	Lincoln/Larimer	$100,000.00	Allegheny
Brownfields	Mt. Airy, USA	neighborhood redevelopment	Mt. Airy, USA	$11,512.00	Philadelphia
Brownfields	Neighborhood Redevelopment	neighborhood redevelopment	Haines Eastburn Stenton	$727,500.00	Philadelphia
Brownfields	Sea Isle Sportswear	former clothing plant	Pyrah Corp	$50,000.00	Luzerne
Brownfields	Shearer Road	former chemical plant site	CDC Env Chem	$138,750.00	Butler
Brownfields	Trolley Shop	former trolley shop	URA of Pittsburgh	$17,835.00	Allegheny
Brownfields	Westinghouse die plt.	recreation park along Delaware Canal	Lower Makefield Twp.	$683,000.00	Bucks
Brownfields	Westinghouse die plt.	recreation park along Delaware Canal	Lower Makefield Twp	$810,000.00	Bucks

Project Type	Project	Project Desc	Grantee/Contractor	Award	County
Brownfields	Westinghouse plant	former electric transformer plant site	Winner Dev	$1,144,500.00	Mercer
			16 Projects	**$6,071,921.00**	
Dams	Felix Dam	Remove the deteriorating dam and restore the river channel.	Project Dev	$500,000.00	Berks
Dams	North Fork Dam	This funding will be used for half of the non-federal share of the rehabilitation of North Fork Dam, an NRCS-constructed flood control facility.	Potter County	$200,000.00	Potter
			2 Projects	**$700,000.00**	
New or Innovative Drinking Water/Wastewater Treatment	Implementation of a 5-Stage Biological Nutrient Removal (BNR) Treatment Process	Implement a 5-Stage Biological Nutrient Removal (BNR) Treatment Process at the Shippensburg WWTP.	Borough of Shippensburg	$500,000.00	Franklin
New or Innovative Drinking Water/Wastewater Treatment	Implementation of Vermicomposting	Replace the post-lime addition process with a vermicomposting process following the existing digestion and dewatering processes. Vermicomposting is a sustainable process that uses earthworms in a raised bed reactor to further treat the biosolids to a level that satisfies the PA Department of Environmental Protection (PADEP) criteria for Exceptional Quality biosolids without the addition of chemicals and the odors associated with the post-lime treatment process, or the energy input required by a heat-drying process.	West Hanover Township Water & Sewer Authority	$500,000.00	Dauphin
New or Innovative Drinking Water/Wastewater Treatment	Installation of a Double Ditch Process	Conversion of the existing wastewater treatment plant to new technology to treat the existing 22,000 gpd flows only. The MSTMA is planning to install a Double Ditch process, which is an innovative Phased Isolation Ditch (PID) technology to treat wastewater generated from the Winona Lakes Wastewater Treatment Plant service area.	Middle Smithfield Township	$357,000.00	Monroe
New or Innovative Drinking Water/Wastewater Treatment	Installation of a Hydro International - Grit King System	Installation of a Hydro Internation - Grit King System. Including installation of a new grit and grease removal system to replace an existing system which has currently failed. The proposed system is the Hydro International - Grit King. The system would be the first of its kind in the Northeast region of Pennsylvania.	Mahanoy City Sewer Authority	$428,600.00	Schuylkill
New or Innovative Drinking Water/Wastewater Treatment	Installation of Two (2) Floating Islands	Two floating islands will be installed, one in each facultative area for each treatment lagoon. Each lagoon will receive the same influent flow and loading because the treatment process will be operated in parallel. The islands will be located near to the influent window which connects the aerated zone and the facultative zone.	Wiconisco Township	$69,900.00	Dauphin
New or Innovative Drinking Water/Wastewater Treatment	Renovation and Upgrade to a new FWS Wetland Cell Design	Cleaning all accumulated sludge solids in the existing FWS cells and then their renovation and upgrade to a new FWS wetland cell design which will result in one (1) large almost square bed from two (2) beds. This is to accommodate the newer design and engineering features for FWS wetland cells including a reaeration zone and the lower length to width ratio which is now near to 1:1.	Washington Township Authority	$168,967.00	Dauphin
New or Innovative Drinking Water/Wastewater Treatment	Upgrade to a Moving Bed Biofilm Reactor (MBBR) Process	Upgrade the existing Mt. Wolf Wastewater Treatment Plant from a trickling filter process to a Moving Bed Biofilm Reactor (MBBR) process. The upgrade would allow the existing facility to meet the more stringent effluent limits being implemented by the Chesapeake Bay Tributary Strategy.	Northeastern York County Sewer Authority	$500,000.00	York

Project Type	Project	Project Desc	Grantee/Contractor	Award	County
New or Innovative Drinking Water/Wastewater Treatment	Upgrade to the Activated Sludge Aeration System at Lancaster Area Sewer Authority's Susquehanna WPCF	Upgrade the activated slude aeration system at it Susquehanna WPCF. The basic goals of this project are to upgrade and replace the diffuser, optimize the aeration process with additional blowers with those of the proper size, and create anoxic zones to obtain a certain degree of denitrification for the existing flows to the Facility, which are approximately 7 to 8 MGD.	Lancaster Area Sewer Authority	$500,000.00	Lancaster
			8 Projects	**$3,024,467.00**	
PA Energy Development Authority	American Refining Group - Co-Generation Project - Using Refinery Waste Gas	Project involves reuse of waste energy.	American Refining Group, Inc.	$284,328.00	McKean
PA Energy Development Authority	Auxiliary Power Unit for Idling Trucks	Star Class manufactures the idle-reduction APU, Gen Star in a New Castle, PA plant and seeks to upgrade and expand its manufacturing plant to increase production.	Star Class, Inc.	$287,133.00	Lawrence
PA Energy Development Authority	Casselman Windpower Project	The Casselman Windpower Project is a 34.5 MW wind project that will utilize reclaimed surface mining areas for approximately one-third of its turbine sites.	Casselman Windpower LLC	$500,000.00	Somerset
PA Energy Development Authority	Clarion Biodiesel Project	Enviro Biodiesel is seeking funding for a 45 million gallon per year biodiesel plant using soybean oil as the feedstock.	Enviro Biodiesel, Inc.	$340,160.00	Clarion
PA Energy Development Authority	Expansion of wafering operations for Solar Power Industries, Inc.	Pennsylvania solar manufacturer seeks to expand its manufacturing operations by adding additional watering equipment.	Solar Power Industries, Inc.	$500,000.00	Westmoreland
PA Energy Development Authority	Franklin Fuel Cells, Inc.	This is an applied research project for on-going development of solid oxide fuel cell (SOFC) technology. Franklin will focus development activities on demonstrating direct oxidation cell performance using readily available hydrocarbon and bio-renewable fuels, providing the advantage of not relying on pure hydrogen as a fuel source.	Franklin Fuel Cells, Inc.	$408,737.00	Chester
PA Energy Development Authority	Green Power at Phipps: Solid Oxide Fuel Cell Project	A Solid Oxide Fuel Cell (SOFC) System will be installed and operated at Phipps Conservatory and Botanical Gardens. The SOFC System, produced by Siemens Westinghouse Stationary Fuel Cells, will generate nominally five kilowatts of electricity (kWe) and deliver approximately four kilowatts of thermal energy (kWt).	Phipps Conservatory and Botanical Gardens	$150,000.00	Allegheny
PA Energy Development Authority	In-situ Gasification and NOx Reburn Using Waste Coal Slurry	This project will install a slurry gasification/reburn system at a coal-fired industrial boiler to inject, gasify and reburn up to 20% waste coal/water slurry on a heat input basis above the main combustion zone. The waste coal fires will serve as a multi-pollutant reduction reagent to reduce NOx and mercury emissions from the coal fired industrial boiler.	Breen Energy Solutions LLC	$299,400.00	Allegheny
PA Energy Development Authority	Introducing Zero Energy Homes to Philadelphia	The proposed project would introduce Zero Energy Homes into the housing market in Philadelphia while simultaneously redeveloping an older neglected neighborhood and providing homeowners with energy efficient, comfortable, affordable, sustainable housing.	Solar Strategies Development Corporation	$130,457.00	Philadelphia
PA Energy Development Authority	Pennsylvania Automated Load Management (PALM) Initiative	Demand management project using a web-based, interactive trading system for load management and energy procurement.	Powerweb, Inc.	$400,000.00	Multiple
PA Energy Development Authority	PFBC Fuel Impact Model, Phase I: Test Facility Construction/Commissioning	PFBC-EET proposes to design and construct a Pressurized Fluidized Bed Combustion test facility. The technology bridges the gap between common combustion/generation and IGCC. The test unit will be able to burn a wide variety of Pennsylvania waste coals and enables the use of wet waste coals with little loss in efficiency.	PFBC Environmental Energy Technology, Inc.	$640,285.00	Allegheny

Project Type	Project	Project Desc	Grantee/Contractor	Award	County
PA Energy Development Authority	Que Low Impact Micro Hydroelectric Plant	The Cambria Somerset Authority (CSA) is requesting funding for the final design and installation modifications necessary to install an 850 kW micro-hydroelectric plant at CSA's Quemahoning reservoir.	Cambria Somerset Authority	$269,000.00	Somerset
PA Energy Development Authority	Siemens Photovoltaic Evaluation Project	Siemens Medical Solutions seeks support in installing a 100 kilowatt (DC) PV system that will generate approximately 125,000 kilowattt hours of electricity each year.	Siemens Medical Solutions Health Services	$415,000.00	Chester
PA Energy Development Authority	Slippery Rock University Wind Turbine	The Slippery Rock University's Robert A. Macoskey Center for Sustainable Systems Education and Research proposes to erect a small wind turbine to generate approximately 22% of its annual electrical energy needs.	Slippery Rock University of Pennsylvania	$27,500.00	Butler
PA Energy Development Authority	Turkey Hill - Solar Energy Enterprise Development Model	Princeton Energy Systems will install PowerLight Sharp pv modules on the roof of the beverage building at Turkey Hill Dairy in Conestoga, PA. Community Energy will establish a REC (AEC) marketing plan and pursue joint REC marketing with Turkey Hill.	Citizens for Pennsylvania's Future	$348,000.00	Lancaster
			15 Projects	**$5,000,000.00**	
Watershed Protection	Armstrong Cork Factory River Bulkhead Replacement Project	The purpose of this project is to replace an existing timber bulkhead along the riverfront adjacent to the Armstrong Cork Factory project in the City of Pittsburgh, Allegheny County, PA. The existing timber bulkhead is failing in several sections and is unsafe. It fails to meet minimum design code requirements. There is also evidence of fill loss from behind the bulkhead resulting from high water events. It is imperative that a sound and sturdy river wall is reconstructed in order to prevent flooding and create a safe environment for residents and visitors to this area.	Urban Redevelopment Authority of Pittsburgh	$760,000.00	Allegheny
Watershed Protection	Big Run #2 Passive Treatment System Improvement	BCWA proposes to add 2,000 tons of limestone to their existing limestone pond and to raise the water level another 1.5 feet up to the maximum elevation in order to create more detention time and to generate more alkalinity. Pond improvements are needed due to the high 3.1 Al. in the final outlet (4.3 at the inlet) caused by the larger than designed flow (actual flow 1,666 gpm is higher than designed flow of 1,250 gpm). These ponds are too small and there is no more room to enlarge them as they are hemmed in by two streams. They need to fully utilize the undersized settling basin, and need to fully consider ways to increase the detention time of the existing system.	Blackleggs Creek Watershed Association	$44,000.00	Indiana
Watershed Protection	Boyce Park AMD Passive Treatment System Phase II	This project will construct a treatment facility to treat 3 AMD discharges. This will decrease loading to Piersons Run, which is a tributary to Turtle Creek.	Allegheny County, Department of Parks	$270,027.00	Allegheny
Watershed Protection	Brookside Country Club/Sprogles Run Restoration	Project proposes to use NSCD to plan the removal/modification of an upstream dam and water intake structure to allow fish passage to upstream areas. Cross vanes and NSCD structures would be used to stabilze the stream.	American Littoral Society - Delaware Riverkeeper Network	$39,200.00	Montgomery
Watershed Protection	Buch's Hollow Stabilization	The purpose of this project is to stabilize and plant a riparian buffer for a high priority erosion site in the watershed. The group wants to demonstrate "solutions" to assist local landowners on what can be done on their properties. This would be a first "on the ground" project for this group.	Northumberland County Conservation District	$12,080.00	Northumberland

Project Type	Project	Project Desc	Grantee/Contractor	Award	County
Watershed Protection	Catlin Hollow Stream Bank Stabilization	The goal of this project is to reduce sediment pollution by stabilizing a 300 foot reach of Catlin Hollow with vertical bank heights up to 18 feet. This site was identified as a problem site in the Crooked Creek Watershed Inventory. The stream bank will be stabilized in such a way that the stream will have access to its floodplain, and a riparian buffer will be established. Charleston Township, as members of the Crooked Creek Coalition, have agreed to construct the project and costs are largely for materials and equipment rental.	Tioga County Conservation District	$19,485.00	Tioga
Watershed Protection	Charleston Creek Stream Bank Stabilization	This project proposes to stabilize approximately 425 feet of stream through a combination of regrading vertical banks and installation of log veins and rip rap in an effort to protect the toe of the slope until vegetation is established. Planting of a dense buffer is a major component of the project. This project was identified in a watershed assessment sponsored by Wellsboro Municipal Authority, who has a water supply intake on Hamilton Lake, part of the Charleston Creek watershed.	Tioga County Conservation District	$14,616.00	Tioga
Watershed Protection	Chest Creek Stream Improvement & Enhancement Phase II	This is a construction project to improve fish and wildlife habitat within a diked flood control project in Patton Borough, Cambria County. Terraces and rock barbs will be installed along approximately 2400 feet of stream channel to narrow a shallow, over-wide channel and create a meandering pattern within the flood control project area. This is the second phase of a 2-phase project. The project was designed by NRCS.	Cambria County Conservation District	$77,906.00	Cambria
Watershed Protection	Clearfield County Watershed Remediation - Illegal Dump Site #4	This is one of 9 illegal dump sites identified in the county that directly threaten surface and/or ground water quality; 7 of those have been remediated. The site is in Pike Township and is approximately 8000 square feet in size. It is located in the headwaters of Hogback Run, a cold water fishery and tributary to the West Branch. Costs are entirely for removal and disposal of waste materials at the site.	Clearfield County Solid Waste Authority	$25,000.00	Clearfield
Watershed Protection	Conococheague Creek and Little Cove Creek Stream Bank Fencing	Stream Bank Fencing.	Franklin County Conservation District	$22,988.00	Franklin
Watershed Protection	Cooks Run Watershed Restoration	Project consists of 4 components: Stabilize 200 feet of eroding stream bank; retrofit 2 detention basins; evaluation of stormwater catch basin inserts; and obtain supplemental stream data for oil and grease.	Bucks County Conservation District	$19,300.00	Bucks
Watershed Protection	Crawford County Natural Stream Channel Design Implementation	Implementation of a natural stream channel design project on a tributary to Woodcock Creek in Woodcock Township, Crawford County. The project will implement an approved restoration plan developed in accordance with the Keystone Stream Team procedures. The project will rehabilitate 2,600 linear feet of streambank.	Crawford County Conservation District	$96,299.00	Crawford
Watershed Protection	Emigh Run Headwaters Relocation	This grant funds the relocation of the headwaters of Emigh Run that flow through deep mine refuse waste. The mine refuse was deposited directly into the stream by an abondoned deep mine operation. The stream relocation will divert stream flow away from the acid spoil piles using natural stream design techniques.	Emigh Run/Lakeside Watershed Association, Inc.	$122,260.00	Clearfield
Watershed Protection	Expanding Best Management Practices at Lake Placida: Aquifer Recharge and Reclamation	Expands innovative stormwater BMPs on campus as was done in earlier round of Growing Greener.	Elizabethtown College	$40,100.00	Lancaster
Watershed Protection	Fiscal Management for Quick Response of Growing Greener Type Projects	The project will provide a means for quick payment of funds needed for emergency repair of previously funded restoration projects. WPCAMR will act as an agent to provide quick pass through of funds.	Western Pennsylvania Coalition for Abandoned Mine Reclamation	$350,000.00	Multiple

Project Type	Project	Project Desc	Grantee/Contractor	Award	County
Watershed Protection	Fishing Creek Stream Repair at Kocher, Lightstreet, PA	The purpose of this project is to repair an existing Natural Channel Design project at the Kocher Memorial Park - a handicapped accessible nature park. The US Fish and Wildlife Service designed and constructed this project under a DEP Growing Greener Grant (2000). 1800 linear feet of bed and bank were stabilized and the nature park was subsequently constructed with a another Growing Greener Grant via DCNR. The project was one of the earliest natural stream channel designs in Pennsylvania and was considered a demonstration to encourage similar efforts in the Commonwealth. In the past 5 years several severe storm events have impacted the structural integrity of rock veins and created bed aggregation contributing to continual degradation of the banks. The repair is to re-grade the banks and repair/replace the structures to attain stability and sediment transport. The project will be re-designed to address "lessons learned".	Columbia County Conservation District	$68,750.00	Columbia
Watershed Protection	French Creek Priority Subwatershed Riparian Restoration	To conduct education workshops and riparian restoration projects using minor mechanical engineering and vegetative stabilization on private, non- agricultural proprties in 4 priority subwatersheds of the French Creek basin, specifically Conneautee Crrek, LeBeouf Creek, West Branch French Creek and Conneaut Outlet.	Western Pennsylvania Conservancy	$87,999.00	Multiple
Watershed Protection	French Creek Stormwater BMP	initiate an alternative stormwater Best Management Practices (BMP) project in the French Creek watershed in crawford and Venango counties. The project will design and construct 10 to 15 alternative stormwater projects, which will significantly decrease the amount of stromwater discharged directly into French Creek. The BMP's will also be used as demonstration sites for outreach to municipal officials, engineers, designers, etc and as environmental education sites for school students.	French Creek Project of the Pennsylvania Environmental Council	$163,300.00	Multiple
Watershed Protection	Friends Center Urban BMP Demonstration	The Friends Center Corporation proposes to incorporate a variety of innovative stormwater BMP's into their on-going campus buildings and property site renovations. BMP's proposed include a green roof system (10,000 sq ft), rain water cistern storage system and small bioretention system at their campus property located in downtown Center City Philadelphia. They are striving to make their business/school/religious functions more sustainable and to do their part to reduce NPS pollution the the Schuylkill Watershed.	Friends Center Corporation	$242,726.00	Philadelphia
Watershed Protection	Hogback Run Channel Improvement	This section of Hogback Run was part of a 1961 Channel Improvement Project sponsored by the PA Dept. of Forestry and Waters, Division of Flood Control. That project included excavation and shaping on the inside bank and riprap slope protection on the outside bank for some but not all of the channel included in this application. 870 feet of stream bank will be restored and gravel will be removed from the stream. Last year's numerous extraordinary storms badly affected this section of stream causing non-point source erosion, flooding and safety concerns.	Borough of West Middlesex	$90,000.00	Mercer
Watershed Protection	Huntingdon Pike Dam Removal and Stream Restoration	This project would remove a dam on the mainstem of the Pennypack Creek. Benefits would be to restore a more natural dynamic in terms of hydrology and sediment transport; improve aquatic and riparian habitats; and restore fish passage. A number of organizations including the PA Fish and Boat Commission have been working to restore migratory fish populations in this watershed.	Trout Unlimited, Southeast Montgomery County, Chapter 468	$50,000.00	Montgomery

Project Type	Project	Project Desc	Grantee/Contractor	Award	County
Watershed Protection	Illegal Dumpsite Clean-Ups	Cleanup of 4 or more dump sites which are located in watercourses, on streambanks and in sinkholes and have the potential to severely impair water quality.	Huntingdon County Conservation District	$2,929.00	Huntingdon
Watershed Protection	Indian Run Stream Restoration	The City of Hermitage is requesting funds to advance the Indian Run Stream Restoration Project to complete construction. The City is concerned with the loss of property and potential safety issues with the degraded stream. The City has committed to paying for all of Phase 1 of this project, which includes data collection, analysis, design, and permitting. This Growing Greener Grant application is for Phase 2 of this project, which is construction of the stream restoration. Restoration of Indian Run will implement one part of Hermitage's Eight Headwater Watershed Assessment and Protection Plan, restore the stable fluvial geomorphic variables of the stream and eliminate approximately 6700 cubic feet of non-point source sediment pollution from the stream bank erosion, restore the aquatic habitat to enhance the biologic diversity of the stream, create a riparian buffer zone, and produce short-term and long-term educational experiences for Hermitage school students. This project will help the school district meet the PA Standards for Environment and Ecology.	City of Hermitage	$39,051.00	Mercer
Watershed Protection	J. S. Wilson High Performance School	Install approximately 15,000 sq. ft. of porous pavement, a rainwater harvesting system to collect stormwater for use in non-potable water applications (toilets), a 1/4 acre wetland and a 2000 sq. ft. stormwater absorbing roof as part of the J.S. Wilson Middle School Green Building project.	Millcreek Township School District	$400,000.00	Erie
Watershed Protection	Jennings Abandoned Mine Drainage Research and Demonstration Site Maintenance and Repair	Jennings Environmental Education Center (DCNR) AMD Treatment facilities O&M	Stream Restoration Incorporated	$5,801.00	Butler
Watershed Protection	Johnson Creek Construction/Trout Stream Design and Permitting	This project includes funding for construction of approximately 8,800 feet of a designed and permitted NSCD project on Johnson Creek. This is a continuation of a previously funded project and construction will aid in maintaining stability of that reach. The project also includes funding for design and permitting of a second stream restoration project on Trout Stream, which is on the 303 D list as impaired based on habitat. Restoration of that reach includes stream bank fencing through the farmer's participation in CREP. Both projects were identified as priorities in the Wysox Creek Watershed Assessment and Restoration Plan.	Wysox Creek Watershed Association, Inc.	$101,800.00	Bradford
Watershed Protection	Long Run Diversion Well	Long Run is a tributary to Clearfield Creek which is a major trib to the West Branch of the Susquehanna. Most of the Long Run watershed is affected by AMD from abandoned mines. The water quality of the AMD discharges average about 4 pH but are relatively low in metals. Use of diversion wells that produce alkalinity by using stream flow and gravity is a proven technology that is well suited for this watershed. This grant funds the design, permitting and construction of four diversion wells. The alkalinity produce by the wells should result in the restoration of 4 miles of stream.	Clearfield County Conservation District	$49,977.00	Clearfield
Watershed Protection	Luzerne County Streambank Stabilization	Luzerne Conservation District will establish a small program to restore eroded sections of straem bank.	Luzerne Conservation District	$56,528.00	Luzerne

Project Type	Project	Project Desc	Grantee/Contractor	Award	County
Watershed Protection	Lycoming Creek Demonstration	The purpose of this project is to stabilize 260 feet of highly erosive streambank with an estimated soil loss of more than 21 tons. The area will be graded to decrease the bank angles and toe of slope rip rap protection will be installed as well as riparian plantings. This will serve as a first project and demonstration site for the watershed group.	Lycoming Creek Watershed Association	$29,500.00	Tioga
Watershed Protection	Martin Portal Rip-Rap Replacement	This project will repair 200 feet of riparian buffer on both sides of Roaring Run in Kiskiminetas Township, Armstrong County. Replacing the limestone rip-rap will protect the stream banks from further damage, as well as repair the damage caused by major storms to the original 2004 Growing Greener project.	Roaring Run Watershed Association	$5,260.00	Armstrong
Watershed Protection	Mehoopany Creek Stream Restoration	Natural stream design on a portion of Mehoopany Creek. Assessment and design have been completed.	Mehoopany Creek Watershed Association	$318,773.00	Wyoming
Watershed Protection	Mingo Creek Watershed NPS Reduction	Project would create planted buffer zones around two drainage swales and create a raingarder at the drainage basin above the swales. As part of this project, the community will be educated on BMPs, NPS pollution, and overall watershed health.	Spring-Ford Area School District	$10,215.00	Montgomery
Watershed Protection	Modifications and Improvements to the Monastery Run Improvement	This project is for funding for modifications and improvements to repair and maintain the operation of the Monastery Run improvement project. Work includes repairs to an earthen dike, repair of a walkway, repair of bank erosion, and the installation of fencing to prevent muskrat damage and erosion.	Saint Vincent College	$30,162.00	Westmoreland
Watershed Protection	Morgan Run AMD Remediation - Phase II Part 2	This phase will complete construction of an AMD discharge(s) passive treatment sysem that will restore 4 miles of an HQ stream.	Trout Unlimited, Chestnut Ridge Chapter	$107,267.00	Fayette
Watershed Protection	MR Frog AMD Treatment System Construction	This grant funds the construction of a passive AMD treatment system called Mr Frog thatinvolves a combination of a vertical flow pond, settling pond and aerobic wetland. This is the second AMD construction project in the overall Morgan Run watershed restoration plan. The Mr. Tuff AMD project, 1/2 mile upstream, is the first and is also under consideration for GG grant funding. This system will restore 500' of an unnamed trib and 1.5 miles of Morgan Run. A total of two miles will be restored when the both projects are complete.	Clearfield County Conservation District	$267,500.00	Clearfield
Watershed Protection	MR TUFF AMD Treatment System Construction	This grant funds the construction of a passive Acid Mine Drainage (AMD) treatment system involving a combination of a Vertical Flow Pond, settling basin and aerobic wetland. This is the first AMD construction project in the overall restoration plan for Morgan Run. 1/2 mile of stream will be restored by this project. In conjunction with another project under GG application 2 miles of the headwaters of Morgan run will be restored	Clearfield County Conservation District	$395,880.00	Clearfield
Watershed Protection	Nature Park-Donohoe Creek Protection and Restoration Plan - Phase II	The Westmoreland Conservation District proposal is to address stormwater problems that are causing degradation to an unnamed tributary within the Sewickley Creek Watershed. Three local businesses have agreed to improve the quality and reduce the quantity of their runoff by incorporating new innovative stormwater BMPs - retention swales, infitration trenches and a detention pond retrofit. The District will showcase these sites to promote new stormwater management technology.	Westmoreland County Conservation District	$97,442.00	Westmoreland

Project Type	Project	Project Desc	Grantee/Contractor	Award	County
Watershed Protection	Off-Line Alkaline Addition Demonstration	This proposal requests funding for construction of 2 innovative alkaline addition technologies using limestone sand to mitigate the effects of acid deposition in the Mosquito Creek watershed. One project will create a high flow buffering channel paralleling Gifford Run to neutralize episodic acidification occurring during high flow events without placing limestone sand directly in the stream channel. The second project will create a vertical flow limestone bed on Lost Run to test the efficiency of using limestone sand in vertical flow wetlands to eliminate the need for compost. Both of these projects are part of the Mosquito Creek Progressive Restoration Plan.	Mosquito Creek Sportsmen's Association, Inc.	$143,500.00	Clearfield
Watershed Protection	Oley Creek Watershed Restoration Phase III	The creation of a sediment retention system on a portion of Oley Creek.	Butler Township	$61,227.00	Luzerne
Watershed Protection	PA Conservation Reserve Enhancement Program: Original, Northern Expansion and Ohio Basins	This project provides cost share funds to farmers enrolled in PA's Conservation Reserve Enhancement Program (CREP) in the 59 counties of the Susquehanna, Potomac and Ohio River Watersheds. The applicant enters into contracts with farmers to allocate cost share funds and track maximum cost share dollar allowances by landowner and practice.	Pennsylvania Association of Conservation Districts, Inc.	$7,779,480.00	Multiple
Watershed Protection	Passive Treatment of Two High-Al Discharges to Rattlesnake Run	Passive Treatment System Design 1. TAG Assessment completed in 2003 lists this site as a priority. 2. Licking Creek Watershed Assessment G2/2004 3. Several wells plugged in 2004.	Knox Township	$97,601.00	Clarion
Watershed Protection	Pidcock Creek Streambank Stabilization	Project would stabilize and restore eroded stream banks on Curl's Run, a tributary to Pidcock Creek. 800 feet of stream bank would be restored, using bioengineering techniques and BMPs.	Bucks County Conservation District	$20,639.00	Bucks
Watershed Protection	Reducing Sediment Pollution to Fourmile Run from Stairs Road	Project will implement controls on a Township dirt and gravel road in Donegal Township, Westmoreland County. The project will stabilize the road in order to prevent large amounts of sediment from entering the receiving stream during rain events. The project would address a severe sediment deposition problem in the stream.	Donegal Township	$44,035.00	Westmoreland
Watershed Protection	Rock Run Limestone Dosing	Project would improve the water quality of Rock Run by implementing limestone sand dosing in the headwaters. Limestone fines with high calcium carbonate content will be deposited in the stream and on its banks. The limestone will slowly dissolve and/or be carried down the stream to help combat a chronic acidification problem in the stream due to inadequate natural buffering.	Trout Unlimited, Forbes Trail Chapter	$11,014.00	Westmoreland
Watershed Protection	Scrubgrass Well Plugging Phase II	Proposed plugging of ten oil wells in Scrubgrass Creek Watershed to restore viability and sustainability to this cold water stream.	Venango Conservation District	$87,391.00	Venango
Watershed Protection	Shupe Run Enhancement and Bank Stabilization	The streambank stabilization project located in a municipal park is Westmoreland County is proposed by the Boro of Mt Pleasant. A total of 890 feet of stream bank along Shupe Run and unnamed tributary within the Jacob's Creek Watershed will be restored using a combination of vegetative bioenginneering, structural enhancement and reparian buffer plantings to decrease sediment loading to the stream.	Mt. Pleasant Borough	$15,000.00	Westmoreland

Project Type	Project	Project Desc	Grantee/Contractor	Award	County
Watershed Protection	Slab Cabin Run Bio-Retention Project Implementation	The purpose of this project is to reconnect Slab Cabin Run to its wetland floodplain. Slab Cabin Run has been identified as impaired due to water quality. Reconnection to Millbrook Marsh will provide pollutant removal during storm events and improve the functionality of Millbrook Marsh as a bio-retention wetland. This project is in line with the Millbrook Marsh Protection and Management Plan and is in line with the strategic goals of the Spring Creek Watershed Community. The project integrates stormwater management and nutrient reduction.	Pennsylvania State University	$169,420.00	Centre
Watershed Protection	South Branch Saucon Creek Restoration	This project proposed to restore 1200lf of a tributary to the Saucon Creek running through the Borough of Coopersburg. The objectives are to omprove fish habitat and reduce siltation pollution to the impaired Saucon Creek.	Lehigh County Conservation District	$36,950.00	Lehigh
Watershed Protection	Steel Canal Restoration	This project is ineligible. It is not an energy project.	Borough of Steelton	$246,200.00	Dauphin
Watershed Protection	Stormwater Models for Urban Community Spaces	This proposal consists of two separate projects that have several important characteristics in common. However, they are independent of each other and could be done separately. One project is a renovation of a schoolyard at a Philadelphia public school, and the other is a new urban park on a square block in an area of newly constructed residential infill. Both projects would capture and infiltrate stormwater by retrofitting existing urban landscapes that are 100% impervious. In addition to capturing the runoff from their own site, both projects would also capture and infiltrate runoff from adjacent streets. Both projects are in combined sewer areas, so the real environmental benefit would be in the form of reduced wet weather flows in the combined sewer system.	Pennsylvania Horticultural Society	$92,189.00	Philadelphia
Watershed Protection	Sugar Creek Watershed Headwaters Stabilization	The purpose of this project is to fund design, permitting, and construction of the stabilization of approximately 18,000 feet of eroding stream banks on 2 tributaries to Sugar Creek identified as priorities in the watershed assessment. Stream stabilization will be accomplished by regrading and revegetating stream banks and providing rock toe stabilization. This project will also continue the Rosgen Level 3 watershed hydraulic geometry monitoring at 16 established permanent cross sections and 4 stream flow monitoring sites.	Sylvania Borough	$62,500.00	Bradford
Watershed Protection	Sugar Notch, Preston, Huber Bank Reclamation Project, Phase III, Continuation A	This project will continue the reclamation of a large tract of mine scarred land, transforming unusable land into recreational areas and residential development.	Earth Conservancy	$248,000.00	Luzerne
Watershed Protection	Sugar Run Watershed AML Restoration	The BCD proposes to use ~ 7 weeks of salary coordinating contractors who will design & install contour ditches & rock channels to repair a 29 acre bond forfeiture site that is poorly reclaimed and eroding acid sediment into Sugar Run. All bonds were used to build passive treatment ponds. The main benefit will be to eliminate the severe erosion of acid spoil into Sugar Run which was estimated to be 57 tons of acidity/year.	Blair County Conservation District	$97,021.00	Blair

Project Type	Project	Project Desc	Grantee/Contractor	Award	County
Watershed Protection	Temple-Villanova Sustainable Stormwater Initiative: Construction	The Center for Sustainable Communities (CSC) and the Villanova University's Urban Stormwater Partnership (VUSP) are combining resources to work on this project. They are seeking funding from William Penn Foundation to fund their 'Initiative', and they are also seeking Growing Greener funding to support specific aspects of the project. The Initiative would be an integrated program involving the construction of demonstration BMPs, research to describe their effectiveness (including for pollutant reduction), and outreach to promote improved stormwater management. The Growing Greener funds would be used to construct several demonstration BMPs on the property of the Pennypack Ecological Restoration Trust (PERT). All of the BMPs would have research and demonstration functions, and in addition, some of the demonstration BMPs would also function to mitigate existing environmental problems.	Center for Sustainable Communities	$212,220.00	Montgomery
Watershed Protection	Tinkers Run Stream Bank Stabilization	The project is for construction of streambank stabilization structures and riparian buffer along Tinkers Run.	North Huntingdon Township	$10,708.00	Westmoreland
Watershed Protection	Towanda Creek Watershed Triage and Stabilization	This proposal requests funding to: stabilize approximately 1500 feet of eroding stream bank by cutting back banks and revegetating; complete a Triage Environmental Assessment of 2nd through 4th order streams in the Main Stem and South Branch subwatersheds; continue Rosgen Level 3 watershed hydraulic geometry monitoring at 16 established permanent cross sections and 4 stream flow monitoring sites.	Canton Township	$47,000.00	Bradford
Watershed Protection	Valley View Business Park - Phase III Mine Reclamation	The project will reclaim approximately 115 acres of abandoned mine lands and make safe about 24 mine opeinings, reducing the amount of surface water entering the underground deep mines; thereby, reducing the amount of acid mine drainage flowing into the Lackawanna River. The project is the Phase III restoration of abandoned mine lands for future economic development as part of the Valley View Business Park.	Archbald Borough	$525,000.00	Lackawanna
Watershed Protection	Water Quality Best Management Practices Demonstration	(3 areas of work on school/church site) Project is to enhance wetland areas w/native plantings, remove invasives, restore floodplain. In stormwater detention basin, remove low flow concrete channel and replace w/low and march and meadows mixes. Restore eroded storm swale, now gully, into bioretention swale w/3 check dams allowing for minimal recharge. Includes buffer plantings along a 500 lft perenial stream from wetland area. The Church/School is property owner and will be responsible for long-term oversight and OM & R of all 3 dedicated focus restoration areas.	Montgomery County Conservation District	$23,504.00	Montgomery
Watershed Protection	White Deer Creek Restoration (Construction)	The purpose of this project is to provide the balance of funds needed to complete construction on a Natural Channel Design project. Cost of construction was determined using a bid process. A previously awarded construction grant was insufficient to cover the costs because of Grant Center cuts and the introduction of prevailing wage.	Union County Conservation District	$44,029.00	Union
Watershed Protection	Wildwood Lake Restoration	The City of Harrisburg is requesting design and construction funds for improvements to Wildwood Lake in Dauphin County.	City of Harrisburg	$150,000.00	Dauphin
Watershed Protection	Wilson School Mine Drainage Treatment	This project will design and construct a passive treatment system to treat the Wilson School dicharge (SFMD7) in the Montour Run Watershed. The system will remove 9,000 lbs/year of acidity and 1,000 lbs/year of metals from the South Fork Montour Run.	Montour Run Watershed Association	$146,984.00	Allegheny
			61 Projects	**$14,905,733.00**	