

Environmental Education Grants Annual Report *2017*



Environmental Education Grants Program
P.O. Box 2063
Harrisburg, PA 17105-2063
717-772-1644

2017 Environmental Education Grants Program Annual Report

The Pennsylvania Environmental Education Act of June 22, 1993 (P.L. 105, No. 24), provides that “it is the policy of this commonwealth that environmental education is critically important to encourage a citizenry which has the ability to help promote a healthy environment and an understanding of the functioning of the natural world and the necessity for environmental protection and sound resource management.”

This act authorizes and requires the departments of Education, Conservation and Natural Resources and Environmental Protection to develop and implement environmental education programs for the citizens of Pennsylvania and also provide leadership, funding and accountability for that education. This act also established a special, nonlapsing fund, the Environmental Education Fund, to accomplish the purposes of this act. The fund is equal to 5 percent of the money collected from environmental fines and penalties, to be appropriated to the departments of Environmental Protection and Conservation and Natural Resources to accomplish the purposes of this act.

It is the Department of Environmental Protection’s policy to provide funding for environmental education to public and private schools, county conservation districts and non-profit conservation/education organizations, businesses and institutions through the Environmental Education (EE) Grants Program. In its 24-year history, the program has funded more than \$11 million in environmental education grants.

Overview

For the 2017 Environmental Education Grants Program, grants of up to \$50,000 were available for projects with a large scale regional or statewide focus, while traditional mini-grants of up to \$3,000 were available. All applicants were encouraged to undertake projects that address DEP’s priority topics of climate change, water education and environmental justice.

DEP received 231 applications totaling \$650,923. DEP awarded environmental education grants totaling \$1,181,674 to 79 schools, universities, non-profit organizations, conservation districts and other groups for projects that help to educate and engage students and citizens to be better stewards of Pennsylvania’s environment.

Grant recipients use the funding for various initiatives that benefit Pennsylvania’s environment such as learning about clean energy technologies, restoring watersheds and reducing runoff, combating climate change and fostering sustainability.

The grants for the first time include funding for environmental justice activities that educate, empower and enable disadvantaged communities to participate meaningfully in environmental and public health issues. Thirty-one environmental justice projects received grants totaling more than \$500,000.

The awards reflect other new developments in the grants program: for the first time, general grants of up to \$50,000 were awarded to projects with a broad or statewide focus, in addition to traditional mini-grants of up to \$3,000. Twenty-six general grants and 53 mini-grants were awarded.

Environmental Education Grant Program Description

Eligible Applicants

- Public and Private Schools (K-12)
- Incorporated Private Schools
- Incorporated Conservation and Education Organizations and Institutions
- Universities and Colleges
- County Conservation Districts
- Incorporated Nonprofit Organizations
- Municipalities and Municipal Authorities
- Businesses

Grant Amounts

1. General Grants

- Up to \$50,000 may be requested.
- A 20 percent match is required which may be cash or an in-kind contribution from the applying organization or one of its partners.
- Project must cover a regional area, such as Northeastern Pennsylvania, or statewide.

2. Mini-Grants

- Up to \$3,000 may be requested.
- A match is not required, although applicants are strongly encouraged to submit a match, which may be cash or an in-kind contribution.
- Project may focus on any area, such as school, municipality, county or other definable area.

Timeline

Projects must be completed by the following dates.

1. Mini-Grants

- June 30, 2018

2. General Grants

- June 30, 2019

Priority Topics

Climate Change

- Public education campaigns about emissions and ways to protect public health.
- Education projects that demonstrate and encourage a reduction in engine idling, conserving energy, sustainable school initiatives using alternative transportation and renewable energy.
- Selective climate adaptation projects as a part of a larger educational efforts, such as tree plantings, water quality monitoring, riparian buffer plantings and other related topics.

Water

- Programs that educate developers, site designers, municipalities, local officials, businesses and homeowners about reducing non-point source pollution, along with other water related educational programs. This includes educational programs on agricultural nutrient management, abandoned mine drainage/reclamation; water conservation; private water wells, groundwater, road salt, citizen's science and water quality monitoring, storm water management; cold water habitats and fisheries; habitat restoration and other related topics.

Environmental Justice

Funding is designed to support activities to educate, empower and enable disadvantaged communities to meaningfully participate in environmental and public health issues and to implement ways to address issues at the local level.

- Education projects to encourage a connection to nature and the urban environment for inner-city students to develop hands-on stewardship projects to better understand environmental impacts and risks.
- Projects to identify sources of household hazardous waste within communities; identify local hazardous waste facilities; educate community residents on the proper disposal and alternative green cleaning products and encourage the use of these non-hazardous products.
- Projects to track, monitor and develop education programs to address and reduce vehicle idling and promote alternative transportation.
- Demonstration education projects such as green infrastructure or energy conservation, such as green rooftops or walls, rain gardens rain barrels or cisterns, tree box filters, urban tree plantings, energy conservation or renewable energy and other related projects. Demonstration projects must be used to educate and expand the community's knowledge and understanding of pollution impacts and climate change.
- Citizen involvement projects to create, through seed funding, and support municipal or multi-municipal environmental advisory councils (EAC) and other public participation teams. Funding will support EAC projects, such as storm water education programs with an emphasis on improving water quality for MS4 permittees and other priority topics; comprehensive demonstration projects; and how-to trainings about DEP public participation, including the regulatory process and becoming involved as a partner.

2017 Environmental Education Grant Recipients

General Grantees	Project Title	Project Description	Municipality	County	Grant Amount	Name	Contact Information
Capital Region Water	K2Career Pipeline	The project will develop a comprehensive education program to increase water stewardship behaviors among students, their families, and school staff. It also will provide water industry education and employment opportunities in the local workforce; offer educational programs designed for students in disadvantaged communities; and develop strong relationships between public water utilities, municipalities and education organizations.	Harrisburg City	Dauphin	\$48,032	Andrew Bliss	andrew.bliss@capitalregionwater.com
Central PA Conservancy	Goddard Leadership Legacy Institute 2017-2018	The Goddard Leadership Legacy Institute is a weeklong, residential conservation leadership program, held at the Pine Grove Furnace State Park and the Chesapeake Bay. The program's goal is to engage youth, ages 13-15, from Central Pennsylvania school districts in practical learning about the natural, historic, agricultural and recreational resources of the South Mountain landscape and connections to the Chesapeake Bay Watershed. At the same time, students will learn key lessons in leadership and citizenship from area teachers, practitioners and community leaders.	Cooke Township	Cumberland	\$23,020	Anna Yelk	ayelk@centralpaconservancy.org
Chesapeake Bay Foundation, Inc.	Polluted Runoff Education in PA DEP Environmental Justice Communities	The primary goal of this project is to educate underrepresented communities in South Central Pennsylvania about the local water quality and to empower people to participate in and improve their environmental and public health. In addition to educating and empowering these communities, CBF will work side-by-side with local residents in making decisions to best benefit the local community through a series of storm water workshops and demonstration projects.	Harrisburg City	Dauphin	\$42,360	Carla Johns	cjohns@cbf.org
Clear Water Conservancy	The Central PA WATER Project	The project will implement watershed education program with area elementary and high schools and will develop a web-based, one-stop shop for students, educators, decision makers and the public with local watershed data and educational resources.	Patton Township	Centre	\$49,987	Lexie Orr	lexie@clearwaterconservancy.org
Friends of the Heinz Wildlife Refuge at Tincum	Philly Nature Kids	The Philly Nature Kids Program will facilitate environmental education among hundreds of 4th and 8th grade students and professional development sessions for teachers who will carry this education forward into their service-oriented actions and school curriculum.	Countywide Project	Philadelphia	\$49,900	Jennifer Rule	lovelyday812@hotmail.com

Fund for the Water Works	Teacher Institute - Urban Watershed Curriculum	The project will provide extensive professional development to give middle school teachers the tools and the knowledge to use the urban watershed as an integrated context for learning and expand their knowledge base to include water-related issues which affect other areas of Pennsylvania. The project will explore and utilize the resources of the three collaborating organizations as well as those of the broader network of the 11 environmental centers in the Delaware River Watershed.	Philadelphia City	Philadelphia	\$50,000	Ellen Schultz	ellen.schultz@phila.gov
Growth Through Energy and Community Health Strategies	Green Playce Ambassadors	The Green Playce Ambassador (GPA) program aims to educate and engage youth leaders in critical components of environmental health and justice through local workshops as well as create outdoor classrooms to facilitate environmental education. The project will create teams of student leaders from two area high schools to design, build and utilize outdoor classrooms, present at community events and participate in career development opportunities. The GPA program will provide educational opportunities as well as empower students to become leaders in their community and learn valuable skills for future careers.	Mckeesport City	Allegheny	\$49,400	Ian Brown	info@gtechstrategies.org
IUP Research Institute	Western PA Watershed Collaboration	This project will establish a water quality and stormwater monitoring plan for the watersheds that are impacted by Indiana Borough, White Township, and Indiana University of Pennsylvania through regular assessments carried out by local elementary, secondary and college students, with support from local agencies. Results of the ongoing data collection and analysis will be presented to community, research and educational organizations by local students, and the associated curriculum materials and community involvement will bring environmental education to a broad audience reaching beyond the direct participants.	Indiana Borough	Indiana	\$44,662	Dr. Holly Travis	h.j.travis@iup.edu
JASTECH Development Services, Inc.	Overbrook Youth Environmental Stewardship Program	The Overbrook Youth Environmental Stewardship Program is an environmental education effort designed to teach STEM and Career Technical Education for youth, along with the best management practices that improves the environment and public health through an indepth training program. This program will encourage high school students in Philadelphia to promote sustainability, environmental justice and public awareness of non-source point pollution, household hazardous waste, and behaviors that could degrade waterways and compromise drinking water.	Philadelphia City	Philadelphia	\$42,562	Jerome Shabazz	jshabazz@overbrookcenter.org

Lacawac Sanctuary Foundation	Pocono Lake Ecological Observatory Network	Develop a citizen science lake monitoring program to allow landowners in the Pocono region to learn more about water quality issues and solutions, sampling techniques, and to engage with research scientists. This program will provide lake scientists and managers with valuable water quality data from across the region that will support responsible best management practices of the future. The ultimate goal is dual fold: (a) to educate and empower the public through hands-on experiences and (b) train lake scientists to work effectively with the public.	Countywide Project	Wayne	\$37,060	Craig Lukatch-Setsec	craig.lukatch@lacawac.org
Let's Go Outdoors, LLC	Green Steps Institute: A Diversity Pipeline Program for Youth	The project will develop Pennsylvania's first dedicated environmental education diversity youth environmental career development program, the "Green Steps Institute," which will span the southern region, to include: Philadelphia, Lancaster and Pittsburgh areas featuring extensive educational programming.	Cheltenham Township	Montgomery	\$50,000	Tarsha Scovens	tarsha@letsgooutdoors.net
Midwestern Intermediate Unit IV	Hazardous Household Wastes: Handle with Care!	The project will delivery of Environmental Education pedagogy and content linked to PA Core Standards professional development for middle school teachers. Identify household hazardous including but not limited to compact fluorescent bulbs, lead paint, batteries, pesticides, expired medications, mercury, and electronics. Facilitate student research on proper disposal for each identified hazardous waste. Provide students with opportunities to produce educational materials to be shared with their communities. Facilitate investigations of green cleaning products to replace current products. Plan and Implement a community Electronics Recycling Event.	Mercer Borough	Mercer	\$29,620	Diane McGaffic	diane.mcgauffic@miu4.org
Penn State Extension	Connecting Pennsylvania's Ag Youth to Environmental Stewardship through Manure Management	This project will create a multi-age level curriculum and accompanying facilitator training with tool kit to be used across Pennsylvania in order to increase knowledge about the environmental impacts of the livestock and equine industries as well as the important benefits of proper manure management planning. The project also proposes to increase the number of youth participating in 4-H and FFA agricultural programs who have written and implemented proper manure management plans.	Statewide Project	Dauphin	\$49,387	Jennifer Fetter	jrf21@psu.edu

Pittsburgh Parks Conservancy	Sustainable "Freedom Garden" Teaches All of Us	Pittsburgh Parks Conservancy will construct a 1,500-square-foot demonstrative, interactive outdoor garden and unique walking trail with wild botanical plants and flowers that honor the horticultural experience of previously-enslaved Freedom Seekers from the 1850's in the United States. The Freedom Garden program will be located at Frick Environmental Center.	Pittsburgh City	Allegheny	\$50,000	Camila Rivera-Tinsley	ctinsley@pittsburghparks.org
PP&L Sustainable Energy Fund	Energypath 2017	Sustainable Energy Fund will host three Energy Camps during Energypath 2017 For Our Future: Carbon Reduction. The goal of the Energy Camps are to increase the knowledge of and passion for sustainable energy in the attendees. The target audience is primarily college students and educators at the university, high school and middle school level. The objective is to help attendees learn the topic so they can readily learn and teach the principles to others. To achieve this goal a blend of classroom instruction and hands-on exercises will be utilized. The goal is to address access to hands-on training and professional development in the STEM and sustainable energy fields. The event will culminate with a globally renowned energy expert for a keynote speaker during the conference.	Lower Macungie Township	Lehigh	\$ 5,200	Kelly Sanders	ksanders@thesef.org
Regional Science Consortium at Tom Ridge Center at Presque Isle	The Mobile HAB Lab: Educating Communities in Western PA	Harmful algal blooms (HABs) have become a serious issue in Lake Erie and inland waters through the releasing of cyanotoxins that can cause illness or fatalities in humans, dogs and livestock. Due to the lack of knowledge and awareness regarding this issue, this project will develop a Mobile HAB Lab (an informational exhibit housed in a trailer which can travel to locations in western PA educating multiple audiences), host a regional HAB conference, develop a citizen science group and provide information through an interactive website.	Millcreek Township	Erie	\$50,000	Jeanette Schnars	Jeanette@RegSciConsort.com
Ridley School District	Test the Waters	The goal of this project is to provide students with a learning experience gathering data and drawing evidence-based conclusions about water quality. Students will investigate factors that affect temperature; influences dissolved oxygen and also affect the pH of water. Students will measure the pH of water, and determine the influences on living organisms to gain understanding of the effects of human behavior on water quality.	Oxford Borough	Chester	\$3,111	Dana Pinketti	dpinketti@ridleysd.org

St. Vincent College	Screen to Stream - Student Citizen Scientists Explore Local Watersheds Online and Outdoors	Saint Vincent College and the Winnie Palmer Nature Reserve will develop an aquatic ecosystem exploration program comprised of an interactive virtual learning lab, mobile apps and practical lessons with accompanying teacher development materials for students in grades 3-12. In collaboration with regional watershed associations, students will learn how to be citizen scientists and assess the health of local streams by observing key biological and chemical indicators of common water quality problems in Pennsylvania.	Unity Township	Westmoreland	\$50,000	Peter Smyntek	peter.smyntek@stvincent.edu
Strawberry Hill Foundation Inc.	Environmental Literacy and College & Career Preparedness for Rural Students	This project will provide students in the region with opportunities for increased exposure to various aspects of the environmental field integrated into core and extracurricular courses. A networking-focused Environmental College and Career Fair will encourage students to consider a broad range of viable career choices in the environmental field.	Hamiltonban Township	Adams	\$16,500	Autumn Arthur	autumna@strawberryhill.org
West Virginia University Research Corporation	Three Rivers Quest (3RQ) REACH 4Schools	As many educators have noticed, there has been a decline in effective problem solving and critical thinking skills. Therefore, programs that encourage students to figure things out are sorely needed, and REACH 4Schools, by having students deploy data loggers, gather, interpret and present data, addresses this need. Students will be able to apply learning and skills to real concerns in their own communities. The intent of REACH 4Schools is to engage middle and high school students in long-term water quality monitoring. By participating in the program and collecting data, schools are helping researchers determine the overall health of the Allegheny, Ohio, and Monongahela River Basins. This is important not only for ecological and environmental reasons, but also because it is the main source of drinking water in the region.	Countywide Project	Allegheny	\$49,934	Melissa O'Neal	moneal@mail.wvu.edu
Western Pennsylvania Conservancy	Eye Con: Summer Conservation Education Opportunities in Western Pennsylvania	Experiencing Your Environment through Conservation (EYE Con) is a 4-day summer science experience for high school students. EYE Con supplements high school curricula by providing a unique inquiry-based STEM learning experience, as students work closely with professional biologists to design and implement field projects at Pennsylvania State Parks. EYE Con also kindles student interest in conservation careers, and provides insight into citizen science opportunities on public lands.	Brady Township	Butler	\$48,837	Adam Hnatkovich	ahnatkovich@paconserve.org

Wildlands Conservancy	Climate Change in Our Watershed	Wildlands Conservancy will provide place-based climate education to middle school teachers and students to provide a deep, local connection to environmental issues, resulting in the development of skills and knowledge to create personally relevant collective actions. This watershed-based programming will address the climate change literacy problem by weaving a social media component through a STEM-centered project focusing on personal efficacy.	Lower Macungie Township	Lehigh	\$26,823	Diane Motel	dmotel@wildlandspa.org
Wildlife Leadership Academy	Wildlife Leadership Academies	The project will engage and empower high school age youth to become Conservation Ambassadors to ensure a sustained wildlife, fisheries and natural resource legacy for future generations. A year round program, the Pennsylvania Brookies and Bass Field Schools Academy begins with rigorous summer field schools that focus on wildlife/fisheries biology and conservation as well as leadership skills development and continues with community outreach through education, service, media engagement, creative arts, and outdoor mentorship through the PA Brookies and PA Bass field schools.	Lamar Township	Clinton	\$41,292	Michele Kittell	mkittell@wildlifeleadershipacademy.org

Mini-Grant Grantee	Project Title	Project Description	Municipality	County	Grant. Amt.	Name	Contact Information
Albright College	The Albright Sustainability Commons: A Center of Intergenerational Learning	This project will be a partnership between Albright College and 13th & Union Elementary students to participate in a hands-on stewardship project of planting a native plant garden in their urban community, The Albright Sustainability Commons, which will be prefaced with college student led environmental lessons for the elementary students to increase their environmental education and contextualize their stewardship project. The college students will teach the elementary students about the benefit of native plant species and the environment, engage them in hands on learning, and introduce potential environmental careers.	Reading City	Berks	\$3,000	Brian Jennings	bjennings@albright.edu
Allegheny College	Creek Connections 2017-2018	Creek Connections provides in-person expertise to teachers to address the pressing need for strong science education, particularly environmental education, in middle and high schools.	Meadville City	Crawford	\$3,000	Wendy Kedzierski	wkedzier@allegheny.edu
Allegheny Land Trust	Watering Your Garden of Knowledge: Bringing Project WET to Early Learners	Allegheny Land Trust will hold early education workshops to provide a base knowledge and hands-on experience to early childhood educators during four full days of immersion into the watery world in the Pittsburgh region including water runoff remediation through the use of rain gardens, wetlands, water conservation and even inhabitants of our local waterways!	Sewickley Borough	Allegheny	\$3,000	Jessica Kester	JKester@AlleghenyLandTrust.org
Blair County Commissioners dba County of Blair	Education Demonstration Project	The project will create a demonstration pollinator rain garden with interpretative signage to educate park visitors, local homeowners, farmers and educators about water at Fort Roberdeau. The project also will provide educational programs to increase the knowledge of how gardening may be a valuable tool in water conservation.	Tyrone Township	Blair	\$1,840	Glenn Nelson	gnelson@blairco.org
Borough of Kulpmont	Quaker Run Stream Quality Education/Veterans Memorial Field Enhances	The project will educate 50-60 local students and plant trees and shrubs along Quaker Run, a local tributary. Students will learn about historic coal mining in the area and environmental impacts and visit a mine reclamation site converted into a local recreational field. Students will participate in a biological assessment of a stream and learn about watersheds, water quality and riparian buffers.	Kulpmont Borough	North-umberland	\$2,841	Stephen Motyka	borough@ptd.net

Brockway School District	Brockway Elementary Worm Composting	The Brockway Elementary School hosts approximately 500 K-6 grade students. Through a training program for students, faculty, staff and administrators, a school-wide composting program would provide the rich, nutrient hummus to enhance the growth of any plants grown in a school garden, hi tunnel and/or orchard. The school has the potential opportunity to keep approximately 4,000 pounds of biodegradable waste from entering the landfill waste stream.	Brockway Borough	Jefferson	\$3,000	Kristen Sholes	ksholes@brockway.k12.pa.us
Bucks County Audubon Society	Head Start Science Enrichment	Bucks County Audubon Society at Honey Hollow will partner with the Bucks County Intermediate Unit's Head Start Program to bring high-quality, hands-on science to pre-school children. The standards-based, age appropriate programs will take place in the classrooms and on the school grounds and will include four in-class visits around the central theme.	Solebury Township	Bucks	\$3,000	Stacy Carr-Poole	scarrpoole@bcas.org
Church Army USA	Solar-Powered Aquaponic Hoophouse in Aliquippa	The project will build a solar-powered aquaponic hoop-house and partner with other local community organizations to provide compelling after-school and summer programs with creative hands-on projects, teaching students environmental literacy and inspiring them toward innovation, as well as providing vegetables for community members in need.	Aliquippa City	Beaver	\$3,000	Nancy O'Leary	noleary1209@verizon.net
Columbia County Conservation District	Columbia County Climate Change Education	The Columbia County Conservation District plans to reach all 10th graders in the county with a climate change education program where students develop a solid understanding of the science underlying this issue, but also learn tangible changes they can make in their lives to make a difference for the environment and public health. The program will be led by Conservation District staff is aligned to several academic standards in Science, Technology and Engineering Education.	Bloomsburg Town Borough	Columbia	\$3,000	Heather Almer	heatheralmer@gmail.com
Dubois Area School District	Sandy Lick & Cold Water Conservation for Future Generations	The project will educate 8th grade honors ecology students on cold water conservation and the Sandy Lick Creek watershed. Students will assess the stream and work with data, along with participating in Trout in the Classroom, to implement a new curriculum throughout the year.	Dubois City	Clearfield	\$2,715	Jamie Henretta	jhenretta@dasd.k12.pa.us
Eastern Pennsylvania Coalition for Abandoned Mine Reclamation	Plains-Solomon AMD Project	The Eastern Pennsylvania Coalition for Abandoned Mine Reclamation will work with Plains-Solomon Township 6th grade class at the Plains discharge in Plains Township to learn about abandoned mine drainage. Students will participate in an in-field learning experience for students to learn and understand about abandoned mine drainage, reclamation and water quality in their community.	Plains Township	Luzerne	\$3,000	Robert Hughes	rhughes@epcamr.org

Elk County Conservation District	2017 Elk County Rain Barrel Workshop	The rain barrel workshop will inform homeowners exactly what stormwater run-off is, where it goes, and the effects of polluted stormwater run-off. It will also provide tips and ideas for reducing polluted stormwater run-off and ways to conserve water at home; and attendees will receive a rain barrel and a compost bin to help them get started.	St Marys City	Elk	\$3,000	Kim Bonfardine	kbonfardine@countyofelk.com
Evergreen Conservancy	Indiana County GeoTrail	The project will build environmental awareness in Indiana County through a GeoTrail educating about best management practices related to water and sustainable energy, as well as building economic development for the county. The GeoTrail will be available for community members and visitors to explore environmentally-significant areas in Indiana County and learn how simple personal practices can have a positive impact.	Countywide Project	Indiana	\$3,000	Jamie Douthit	evergreenconservancy@gmail.com
Friends o Silver Lake Nature Center	Watershed Education	The project will engage local students about watershed education and wetland habitats, including aquatic biology and chemistry hands-on activities. The project will introduce the participants to citizen science by learning how to monitor local watersheds and involve participants in guided environmental learning to encourage young people to stay involved and become good stewards.	Bristol Township	Bucks	\$3,000	Jennifer Bilger	jbilger@buckscounty.org
Green Valleys Association of Southeastern PA, Inc.	Explore Your Watershed Environmental Awareness Club	The project will connect participating students to their fresh water resources and heighten awareness. The Club will involve the student members in various, real-world experiences that build awareness and stewardship within their watersheds through various site visits and activities. Activities focus on studying aquatic ecosystems, identifying their inhabitants and ways they are affected by water pollution, and performing service projects to reduce stormwater impact in parts of the watersheds.	Schuylkill Township	Chester	\$2,861	Dawn White	dwhite@greenvalleys.org
Greenwood School District	EnviroGo	The project will plan lessons focusing on environmental education topics, present them to the 4th grade students, and co-host a poster and essay competition to spark additional interest. The project will host an "EnviroGo" Education Day where students will work through a series of stations with field experts and in small groups with high school mentors to complete a research experiment centered on environmental education, including the creation of a scientific poster which will be shared at the end of the day.	Millerstown Borough	Perry	\$2,781	Krista Pontius	kpontius@greenwoodsd.org
Holy Family University	Using the Local Environment in Urban Environmental Science University Classrooms	The project will increase student environmental literacy and awareness, partner with local citizen science groups, and create resources for teaching environmental science in higher education.	Philadelphia City	Philadelphia	\$2,870	Elizabeth Rielly	erielly@holysfamily.edu

Jefferson County Conservation District	Water Quality Monitoring Program and Environmental Education Events	The goal of this project is to train students to sample and interpret results from both healthy and impaired streams. As part of water monitoring, samples will be collected where acid mine drainage treatment systems have been installed on degraded streams. It will also allow opportunities for students to participate in making a difference in their own community's environment. Two environmental education events will be held for students, where they will learn how to protect their local watershed, identify contaminants, and how to improve water quality. Students will learn proper techniques for using water quality equipment while testing for conductivity, pH, and other chemical parameters.	Brookville Borough	Jefferson	\$3,000	Grace Pesselato	gopesselato@windstream.net
Lancaster County Conservancy	LCC's Water Quality Volunteer Coalition Program	The Lancaster County Conservancy will create a technical, citizen science workshop to expand our water quality volunteer corps and acquire equipment to test critical streams.	Martic Township	Lancaster	\$3,000	Lydia Martin	lmartin@lancasterconservancy.org
Lawrence County Commissioners Dept. of Recycling & Solid Waste	Student Field Trips and Classroom Activity Kits	Schools in Lawrence County will be invited to send one classroom of fifth to seventh grade students on a field trip to tour a local landfill and recycling center. Students will visually learn where our trash and recycling goes, how it is properly managed at these facilities to prevent environmental contamination, and witness a prime example of renewable energy. Landfill construction activity kits will be provided to students for a follow-up activity in the classroom.	Countywide Project	Lawrence	\$3,000	Megan Gahring	mgahring@co.lawrence.pa.us
Lehigh County Conservation District	Lehigh County Conservation District's Traveling Watershed Program	The project will connect Allentown youth with their local environment and to expand opportunities to teach these youth vital environmental education lessons (correlated to PA Ecology and Environmental State Standards as well as STEM initiatives). Through it's Traveling Watershed Festival, LCCD aims to increase youth interest and engagement with their community and environment while they participate in watershed related service work, water-based science activities and experiments and team-building challenges.	Whitehall Township	Lehigh	\$2,998	Jolie Chylack	jchylack@lehighconservation.org
Londonderry Township	Londonderry Township Environmental Education Workshop Series	The project will educate township residents about the importance of many environmental issues through hands-on workshops. This workshop series will focus on ecological principles particularly related to stormwater management, water resources and habitats. The environmental education workshops will not only educate residents about environmental topics but serve as a catalyst to implement these features at home and provide take-home items related to the information.	Londonderry Township	Dauphin	\$2,979	Tyler Erb	terb@londonderrypa.org

Mansfield University	Environmental Education Day at Mill Cove Environmental Area 2017	This project will coordinate an Environmental Education Day at Mill Cove Environmental Area for 11-12th grade students, to inspire environmental learning and stewardship. The event will connect educators and industry specialists with green-minded students to foster understanding and awareness of environmental issues; explore methods for assessing and inventorying the environment; and highlight careers available to them. The project will partner the resources of university faculty and staff and Mill Cove, Inc. to provide a day of hands-on, participatory environmental instruction and interaction.	Richmond Township	Tioga	\$2,973	Dr. Lee Stocks Jr	Istocks@mansfield.edu
Mastery Charter High School	Philadelphia Water Quality Education Project	The project will educate, empower and enable students to meaningfully participate in environmental and public health issues by creating a product to inform their local community of the effects of household waste in the water supply and prevention, along with providing opportunities for critical thinking, issues investigation, environmental research methods and general problem solving.	Philadelphia City	Philadelphia	\$2,633	Natalie Lucas	Natalie.Lucas@masterycharter.org
Mercer County Conservation District	Environmental Education Grants Program	The project will coordinate a youth camp about watershed conservation and to the unique geological history in the Shenango River Watershed. The camp will emphasize the importance of biological assessments to monitor stream health. The participants will visit different sections in the Shenango River watershed and assess the water quality. They will present a small presentation on their findings at the end of camp and describe the importance macroinvertebrates in determining the health of a stream.	Coolspring Township	Mercer	\$2,954	Jacqueline McCullough	jmccullough@mcc.co.mercer.pa.us
Mercyhurst University	Getting Ahead of Lead: A Curriculum to Promote Understanding	The overall aim of Getting Ahead of Lead is to develop, implement and share an undergraduate curriculum and community training program on lead exposure in urban environments and strategies for prevention. The project will consist of a 4-week curriculum on the fate and transport of lead in urban environments and the specific health risks to vulnerable populations.	Erie City	Erie	\$2,960	Thomas Cook	tcook@mercyhurst.edu
Merrill W Linn Land And Waterways Conservancy	Go Native! Sustainable Gardens for Wildlife and People	The project will coordinate hands-on educational workshops about native plants that combat climate change, conserve water, decrease storm water runoff, and provide essential habitat for wildlife.	East Buffalo Township	Union	\$2,775	Diane Donato	diane@dejazzd.com

Misericordia University	Misericordia University Environmental Education Program	Misericordia University is partnering with the Lehman Sanctuary, a non-profit organization, to purchase and install advanced telemetry equipment to conduct baseline and ongoing monitoring of water quality characteristics at the 17-acre ecologically-important property. The project will teach students of all ages about biodiversity, groundwater and surface protection and other eco-environmental priorities; continually and remotely monitor environmental parameters at the sanctuary and its waters of the Harveys Creek Watershed to develop baseline water quality measurements and understanding of impacts; make water quality data available to schools universities, conservation districts and community groups; and, expose students to state-of-the-art sensing, data collection and analysis techniques.	Dallas Township	Luzerne	\$3,000	Dr. Cosima B. Wiese	cwiese@misericordia.edu
Norristown Area School District	Outreach to Children/Access to Nature Program	Third and 4th grade students will connect with the natural world in a meaningful way by studying water and watersheds at the Riverbend Environmental Education Center.	East Norriton Township	Montgomery	\$3,000	Dr. Dietrick McGriff	dmcgriff@nasd.k12.pa.us
North Hills School District	Environmental Education Grants Program	Fourth and 6th grade students will participate in a field experience to Lutherlyn Environmental Education Center was designed to enhance students' learning experience and meet environment and ecology curricular objectives.	Connoquenessing Township	Butler	\$3,000	Dr. Jeffrey Taylor	taylorj@nhsd.net
Paxton Creek Watershed and Education Association	Paxton Creek Watershed and Education Association (PCWEA) Workshop Series	Paxton Creek Watershed & Education Association will conduct a series of four educational workshops focused on storm water management and water quality. Each workshop will target a specific audience and address a different topic. The goal is to educate homeowners, businesses, local officials, and youth on how to reduce non-point source pollution in the Paxton Creek Watershed.	Susquehanna Township	Dauphin	\$2,250	Andrew Bliss	andrew.bliss@capitalregionwater.com
Penn State Extension, North Central Region	Hands on the Land: Engagement in Citizen Sciences	The project, "The Other WIFI" (Youth Programs about the PA Wilds that are Informative, Fun and Imaginative), reconnects youth to the PA Wilds through interactive learning, hands-on experiences and quality time outside. Presentations utilize themes adapted from the PA Academic Standards for Environment and Ecology and Science, Technology and Engineering and Math education in informal and formal settings. The key themes are to introduce citizen sciences projects to include climate change, fungi education and monitoring and stream water quality monitoring.	Keating Township	McKean	\$2,650	Lorraine Jacobs	lmj14@psu.edu

Pennsylvania Association of Environmental Educators	Healthy Water Healthy People Across PA	PAEE, in partnership with PA American Water, will hold water quality education workshops utilizing the international Project WET curriculum, Healthy Water Healthy People, for formal, non-formal and pre-service educators. Workshop locations will be chosen across Pennsylvania focusing on areas with prominent water health issues and where the estimated demand for water education in these areas is high.	Sewickley Borough	Allegheny	\$3,000	Jessica Kester	JKester@AlleghenyLandTrust.org
Pike County Conservation District	Solutions to Maintain Healthy Water: BMP Bus Tour	The project will coordinate two county-wide bus tours of existing Best Management Practices targeting erosion, sedimentation and increasing infiltration.	Countywide Project	Pike	\$3,000	Michele Ulmer	mulmer@pikepa.org
Pittsburgh Center for Creative Reuse	Creative Environmental Field Trips	The project will coordinate field trip groups for guided tours of Pittsburgh Center for Creative Reuse, during which students learned about the importance of reuse as a strategy for reducing negative environmental impacts and saw first-hand how reclaimed materials can be used in creative projects.	Pittsburgh City	Allegheny	\$2,863	Nora Gilchrist	nora@pccr.org
Pittsburgh Zoo & PPG Aquarium	Invasive Species & Ecology Zoo U. Course	High school students from throughout Western Pennsylvania will be introduced to the problem of invasive species in PA during multiple classes. Students will participate in hands-on activities and a field trip to identify and address the problem of invasive species, particularly aquatic invasives in Lake Erie.	Pittsburgh City	Allegheny	\$3,000	Mandy Revak	mrevak@pittsburghzoo.org
Potter County Conservation District	Nitrogen Management in Corn	The project will pilot a Penn State Extension Nitrogen Management Course for 3-5 farmers in Potter County. As a result of this in-depth course, the participating farmers will present their experience, environmental benefits and potential nitrogen savings to 50 farmers during the Potter County Crops Day.	Coudersport Borough	Potter	\$3,000	Rob Thompson	r.thompson@pottercd.com
Radnor Township	Radnor Citizen Science Water Quality Monitoring Project	The project will collaborate with the Science Fair Committee and Parent Teacher Organizations at the three elementary schools to establish a Water Quality Club at each school. Teachers at Radnor Middle School's innovative Watershed program, an integrated learning program focusing on the comprehensive study of a local watershed, will provide guidance on field techniques and materials. Middle school student participants in the program will also be invited to participate and serve as mentors for younger students.	Radnor Township	Delaware	\$3,000	Matthew Holtman	mcholtman@gmail.com
School District of Pittsburgh	Environmental Education - Trout in the Classroom	The project will implement Trout in the Classroom in two high schools, Pittsburgh Allderdice and Pittsburgh Brashear, teaching students about cold water conservation while raising brook trout from eggs to fingerlings in classroom aquariums. Students also will participate in the trout release, along with sharing their project at the Creek Connections Research Symposium.	Pittsburgh City	Allegheny	\$2,952	Rhonda Graham	rgraham1@gmail.com

School District of the City of Erie	BELONG - A Game Changer	The project will provide teacher professional development as part of the Erie City School District's "Garden Curriculum" for 3 schools to finalize the completion of vegetable gardens at all 12 elementary schools in the district and (2) train teachers in the 9 other schools with recently-installed gardens on the conversion of gardens to outdoor classrooms, the second level of the project, and community service extensions. Connected to the vegetable gardens are rain gardens, watershed initiatives such as the International Coastal Cleanup, recycling and composting projects, Keep PA Beautiful Cleanups and energy conservation strategies that are embedded in grade-level curricula (grades 2 through 6) to make BELONG a long-term, sustainable district-wide environmental program.	Erie City	Erie	\$3,000	Doreen Petri	dpetri@eriesd.org
Schuylkill Headwaters Association	Anthracite Coal Mining Awareness, Appreciation, & Remediation Tour	Schuylkill Headwaters is partnering collaboration with the Schuylkill Conservation District and the Schuylkill County Conservancy wish to complete the Anthracite Coal Mining Awareness, Appreciation and Remediation Tour. In the headwaters of the Schuylkill River, this tour is designed to expand community environmental knowledge, review history of legacy mining practices and abandoned mine drainage impacts, expand understanding of local resource development and management, highlight water quality and monitoring efforts, showcase our reclamation treatment system projects, showcase our restoration initiatives of the cold water habitats and fisheries, and promote a culture and discussion of environmental sustainability for our county.	Lausanne Township	Carbon	\$3,000	Bill Reichert	wreichert@co.schuylkill.pa.us
SEEDS (Sustainable Energy Education & Development Support) of Northeastern PA	SEEDS' 2017 Energy Assessment Program	The project will continue SEEDS' Energy Assessment Program, and help more families save money on energy costs and rethink their energy decisions with better information about their environmental impact. The program hires and trains local high school students to perform energy assessments, free to residents of Wayne and Pike Counties. This year we will expand the program to Lackawanna County.	Honesdale Borough	Wayne	\$3,000	Jocelyn Cramer	jocelyn@seedsgroup.net
Snyder County Conservation District	Selinsgrove Middle School Peer Leadership Habitat Projects	Small groups of students will build a native wildlife habitat and present information about the habitat, and the wildlife that inhabit it, to a large group of 42 students.	Selinsgrove Borough	Snyder	\$541	Jason Winey	jwiney@ptd.net
Snyder County Conservation District	Snyder County Rainbarrel Workshops	The goal of the project is to inform local homeowners what they can do to make a difference in non-point source pollution, and the watershed health by the use of rain barrels.	Middleburg Borough	Snyder	\$2,580	Jason Winey	jwiney@ptd.net

Thaddeus Stevens College of Technology	WET Rain Garden Demonstration Project	The College's Water and Environmental Technology (WET) students will design, construct and maintain a green infrastructure demonstration project in a high-traffic area outside the Mellor Building. Educational signage will be installed at the completed site to ensure everyone who walks by can learn how rain gardens help manage stormwater, allowing it to infiltrate the soil rather than runoff.	Lancaster City	Lancaster	\$3,000	Katie Surra	surrak@stevenscollege.edu
Tioga County Conservation District	Tioga County Pollinator Monarch Habitat Restoration Education Program	This project will promote the importance of native pollinator habitat by developing a program in grade schools to teach about pollinators and their importance. The outreach will not only restore natural habitat for pollinator's such as the monarch butterfly and honeybee; it will also encourage people to get outside and reconnect with nature, protect and improve stream riparian buffers from sediment and nutrients, reduce atmospheric CO2, limit the use of herbicides/pesticides and change negative perceptions about native plants.	Charleston Township	Tioga	\$2,990	Carolyn Kilburn	ckilburn@tiogacountypa.us
Upper Adams School District	Environmental Education Camp	The project will provide a unique outdoor setting for fifth grade students to engage in hands-on lessons such as wildlife habitat preservation, outdoor survival, and water quality studies. These lessons promote environmental awareness and understanding of key science concepts.	Menallen Township	Adams	\$3,000	Ann Wolfe	a.wolfe@upperadams.org
Upper Moreland Free Public Library	Upper Moreland Outdoor Environmental Education Project	The Library has partnered with Upper Moreland Township for an exciting non-formal environmental education project with the primary purpose of introducing students in third through fifth grades and their families to stormwater management concepts they may incorporate in their own yards and gardens. This project's focus is on four areas (the riparian buffer, hillside plants, parking lot island, and a rain garden) along a 0.33 mile walking trail of Upper Moreland Township Veterans' Memorial Park (Park), improvements to the drainage swale on the lawn adjacent to the Library, and the installation of a rain barrel for the purpose of providing educational activities and interactive tours of the Park.	Upper Moreland Township	Montgomery	\$2,991	Margie Repka-Peters	mpeters@mclinc.org



PA Department of Environmental Protection
Environmental Education and Information Center
Environmental Education Grants Program
P.O. Box 2063
Harrisburg, PA 17105-2063

Telephone: 717-772-1644

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