

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION  
FEDERAL FY 2018  
NON-POINT SOURCE PROJECT PRIORITY LIST  
April 18, 2018**

EXPLANATION OF HEADINGS

NEEDS CATEGORY

- VB – COMBINED SEWER OVERFLOW (CSO) CORRECTION - GREEN INFRASTRUCTURE
- VIA – STORMWATER CONVEYANCE INFRASTRUCTURE
- VIB – STORMWATER TREATMENT SYSTEMS
- VIC – GREEN INFRASTRUCTURE
- VID – GENERAL STORMWATER MANAGEMENT
- VIA – NPS CONTROL: AGRICULTURE (CROPLAND)
- VIB – NPS CONTROL: AGRICULTURE (ANIMALS)
- VIIG – NPS CONTROL: RESOURCE EXTRACTION
- VIIH – NPS CONTROL: BROWNFIELDS
- VIIK – NPS CONTROL: HYDROMODIFICATION
- VIIIM – NPS CONTROL: OTHER ESTUARY MANAGEMENT ACTIVITIES
- VIII – CONFINED ANIMALS

PROJECT TYPE:

- UR – URBAN RUNOFF
- AG – AGRICULTURAL BMPS
- AMD – ABANDONED MINE DRAINAGE
- BF – BROWNFIELDS
- O – OTHER NPS
- SW – TRADITIONAL STORMWATER

PROJECT NUMBER:	PENNVEST PROJECT IDENTIFICATION #
LOAN #:	PENNVEST LOAN NUMBER OF FUNDED PROJECT
ELIG. COST	ESTIMATED NEEDS FOR ELIGIBLE PROJECT

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Stormwater Authority of the City of Chester 419 Avenue of the States Chester PA 19013	County: Delaware Region: SE	V-B \$1,889,326 VI-A: \$0 VI-B: \$0 VI-C: \$3,637,991 VI-D: \$0 VII-A: \$0	VII-B: \$0 VII-G: \$0 VII-H: \$0 VII-K: \$0 VII-M: \$0 VIII: \$0	ELIG. COS \$5,527,317	Project ID: 23018051608-CN Type: UR DEP Rating: 64 DEP Ranking: 1 of 14 PV Rating: 89			
Problem Description:	The Combined Sewer area is subject to flooding and overflows from excessive runoff volume and lack of capacity in the conveyance and storage system. The MS4 areas experience localized flooding, erosion and sediment issues, and degradation in water quality from the increased volume and rate of stormwater runoff that has resulted from urbanization.							
Project Description:	The projects include Green Infrastructure practices that include four bioretention cells and 7250 sf permeable pavement that detain or retain approximately 3.7 acres of contributing untreated stormwater runoff. The project will also establish a storm drain catch basin retrofit program that will eventually be used throughout the City. A series of 70 prototype inlets (all in the separate sewer area) will be used to retrofit or replace the existing inlets.							
Green Project: Yes					Green Category: Green Infrastructure			
					Green Funding: \$3,269,550			

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Chester County Conservation District	County: Lancaster	V-B	\$0	VII-B:	\$394,520	Project ID:	36024051704-CN	
688 Unionville Road, Suite 2	Region: SC	VI-A:	\$0	VII-G:	\$0	Type:	AG	
Kennett Square PA 19348		VI-B:	\$0	VII-H:	\$0	DEP Rating:	64	
		VI-C:	\$0	VII-K:	\$0	DEP Ranking:	2 of 14	
		VI-D:	\$0	VII-M:	\$0	PV Rating:	69	
		VII-A:	\$0	VIII:	\$0			
				ELIG. COS	\$394,520			
Problem Description:	An area outside of the existing dairy barn is a brown lot with uncollected manure laying on the surface. Some of the existing roofed areas need additional spouting with subsurface pipes conveying the roof water to stable outlets. Some manure on the barnyard appears to bypass the existing manure storage structure. All of this contributes to stormwater runoff carrying nutrients to the nearby stream.							
Project Description:	The project consists of a 10'x50' round manure storage structure, approximately 2,000 sf of concrete heavy use area, a slatted underhouse manure storage structure, animal walkways, roof gutters, downspouts, inlets, and an infiltration basin. This project will eliminate the need the spread manure in winter months, and control stormwater runoff.							
Green Project:	Yes					Green Category:	Green Infrastructure	
						Green Funding:	\$394,520	

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION		
Homestead Borough			County: Allegheny	V-B	\$1,828,181	VII-B:	\$0	Project ID:	02165021708-CN
1705 Maple St			Region: SW	VI-A:	\$0	VII-G:	\$0	Type:	UR
Homestead	PA	15120		VI-B:	\$0	VII-H:	\$0	DEP Rating:	58
				VI-C:	\$0	VII-K:	\$0	DEP Ranking:	3 of 14
				VI-D:	\$0	VII-M:	\$0	PV Rating:	73
				VII-A:	\$0	VIII:	\$0		
						ELIG. COS	\$1,828,181		
Problem Description:			Homestead is served by a combined sewer system which results in combined sewage outfall events into the Monongahela River during periods of wet weather						
Project Description:			The proposed project will capture and infiltrate all of the runoff from the site from a 100-year 24-hour storm through installation of four infiltration trenches with 18,900 cubic feet of storage.						
Green Project: Yes			Green Category: Green Infrastructure						
			Green Funding: \$1,828,181						

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Old Lycoming Township 1951 Green Avenue Williamsport PA 17701	County: Lycoming Region: NC	V-B VI-A: VI-B: VI-C: VI-D: VII-A:	\$0 \$0 \$0 \$0 \$617,675 \$0	VII-B: VII-G: VII-H: VII-K: VII-M: VIII: ELIG. COS	\$0 \$0 \$0 \$0 \$0 \$0 \$617,675	Project ID: 41108041710-CN Type: UR DEP Rating: 55 DEP Ranking: 4 of 14 PV Rating: 60		
Problem Description:	Old Lycoming Township will be required to reduce sediment entering the waterways by 10% which calculates out to approximately 100,000 pounds within the first permit cycle.							
Project Description:	The purchase of this water recycling jet vacuum truck will allow the township to remove sediment from the stormsewer system. This new truck will use significantly less water than the current vacuum truck that is past its useful life.							
Green Project:	No					Green Category:	N/A	
						Green Funding:	\$0	

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Stormwater Authority of the City of Chester 419 Avenue of the States Chester PA 19013	County: Delaware Region: SE	V-B VI-A: \$5,960,276 VI-B: \$0 VI-C: \$0 VI-D: \$0 VII-A: \$0	\$0 \$5,960,276 \$0 \$0 \$0 \$0	VII-B: \$0 VII-G: \$0 VII-H: \$0 VII-K: \$0 VII-M: \$0 VIII: \$0	\$0 \$0 \$0 \$0 \$0 \$0	Project ID: 23018071801-CN Type: UR DEP Rating: 55 DEP Ranking: 5 of 14 PV Rating: 80		
Problem Description:			The Combined Sewer area is subject to flooding and overflows from excessive runoff volume and lack of capacity in the conveyance and storage system. The MS4 areas experience localized flooding, erosion and sediment issues, and degradation in water quality from the increased volume and rate of stormwater runoff that has resulted from urbanization.					
Project Description:			This project is the second phase of the catch basin retrofit program that was initiated previously. Approximately 250 existing catch basins will be retrofit or replaced. Areas in and around the new inlets will be used to reduce stormwater volume and filter or trap sediments, bacteria, trash, and other pollutants.					
Green Project:	No					Green Category:		
						Green Funding:	\$0	

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Chester County Conservation District	County: Chester	V-B	\$0	VII-B:	\$0	Project ID:	15078081801-CN	
688 Unionville Road, Suite 2	Region: SE	VI-A:	\$0	VII-G:	\$0	Type:	AG	
Kennett Square PA 19348		VI-B:	\$327,400	VII-H:	\$0	DEP Rating:	53	
		VI-C:	\$0	VII-K:	\$0	DEP Ranking:	6 of 14	
		VI-D:	\$0	VII-M:	\$0	PV Rating:	58	
		VII-A:	\$0	VIII:	\$0			
				ELIG. COS	\$327,400			
<p>Problem Description: Heifers are fed on and unimproved lot where uncollected manure and runoff can leave the site eventually reaching the stream. Hogs are kept in an area with no drainage, so rainwater and manure pools along the side of the barn until it evaporates are soaks into the ground.</p>								
<p>Project Description: The project consists of a 10' x 130' x 10' rectangular manure storage, 3 concrete heavy use areas, riparian buffer, streambank fencing, cattle walkways, and stormwater controls. This project will effectively store 6 months of manure, and keep stormwater runoff from mixing with any manure.</p>								
Green Project: Yes				Green Category:				
				Green Funding: \$327,400				

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION		
Mann Township			County: Bedford	V-B	\$0	VII-B:	\$0	Project ID:	05063031710-CN
1410 Mountain Road			Region: SC	VI-A:	\$0	VII-G:	\$0	Type:	UR
Artemas	PA	17211		VI-B:	\$0	VII-H:	\$0	DEP Rating:	51
				VI-C:	\$411,394	VII-K:	\$0	DEP Ranking	7 of 14
				VI-D:	\$0	VII-M:	\$0	PV Rating:	56
				VII-A:	\$0	VIII:	\$0		
						ELIG. COS	\$411,394		
Problem Description:			Blackberry Lick Run has slowly moved laterally along the base of an embankment for Blackberry Lick Road. Sediment from the erosion travels from Blackberry Lick Run into Piney Creek and ultimately into Sidling Hill Creek a tributary to the Chesapeake Bay and a DEP clarified exceptional body of water.						
Project Description:			This project consists of streambank restoration and stabilization.						
Green Project: Yes							Green Category: Green Infrastructure		
							Green Funding: \$411,394		

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
York County Rail Trail Authority	County: York		V-B	\$0	VII-B:	\$0	Project ID:	67165031704-CN
45 Cherry St	Region: SC		VI-A:	\$0	VII-G:	\$0	Type:	UR
Seven Valleys PA 17360			VI-B:	\$0	VII-H:	\$0	DEP Rating:	46
			VI-C:	\$950,000	VII-K:	\$0	DEP Ranking	8 of 14
			VI-D:	\$0	VII-M:	\$0	PV Rating:	61
			VII-A:	\$0	VIII:	\$0		
					ELIG. COS	\$1,750,000		
Problem Description:	There is continued degradation to a section of US Army Corps of Engineers earthen levees caused by illegal ATV activity, and inflow of sediment to the Codorus Creek from dirt access road, adjacent steep banks & industrial land uses, and a loss of riparian buffer due to development along the creek.							
Project Description:	The project will construct a 1.2-mile section of trail, a ramp connecting an existing parking area to an existing bridge/walkway across the Codorus Creek; and a pedestrian bridge to cross Willis Run, a small stream that enters Codorus Creek. The project throughout includes on-site infiltration systems, and will enhance the naturally occurring riparian buffer of the adjacent section of the Codorus Creek .							
Green Project:	Yes				Green Category:	Green Infrastructure		
					Green Funding:	\$950,000		

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION		
Armstrong Township			County: Lycoming	V-B	\$0	VII-B:	\$0	Project ID:	41006041802-CN
502 Waterdale Road			Region: NC	VI-A:	\$0	VII-G:	\$0	Type:	O
Williamsport	PA	17702		VI-B:	\$0	VII-H:	\$0	DEP Rating:	44
				VI-C:	\$0	VII-K:	\$1,432,000	DEP Ranking:	9 of 14
				VI-D:	\$0	VII-M:	\$0	PV Rating:	49
				VII-A:	\$0	VIII:	\$0		
						ELIG. COS	\$1,432,000		
Problem Description:			The project area is impacted by nutrient loading from farming practices and subject to topsoil stripping operation and till agriculture with disturbed soil introducing erosion and sedimentation to the watershed. There is insufficient riparian plantings to buffer the current land uses of mining and agriculture.						
Project Description:			The project consists of a conservation easement that will preserve and enhance 49 acres of wetlands and the surrounding 176 acres of upland floodplain habitats including 3,790 linear ft. of riparian frontage. Approximately 150 acres of cultivated fields will be retired from farming and result in immediate reduction in sedimentation, phosphorus, nitrogen to the watershed.						
Green Project: Yes							Green Category:		
							Green Funding: \$1,432,000		

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Armstrong County Conservation District 124 Armsdale Road, Suite B-2 Kittanning PA 16201	County: Clarion Region: NW	V-B VI-A: \$189,769 VI-B: \$0 VI-C: \$726,915 VI-D: \$0 VII-A: \$0	VII-B: \$0 VII-G: \$9,070 VII-H: \$0 VII-K: \$0 VII-M: \$0 VIII: \$0 ELIG. COS \$925,754			Project ID: 16009031704-CN Type: UR DEP Rating: 30 DEP Ranking: 10 of 14 PV Rating: 35		
Problem Description:	Existing stormwater conveyance channels and stormwater cross culverts are silted shut which has restricted the hydraulic carrying capacity of the channels and culverts. The lack of capacity is causing stormwater to overtop the channels, sending stormwater across the trail corridor and eroding the trail surface and surrounding ground. The sediment then gets carried away to the neighboring waterways.							
Project Description:	The project consists of approximately 1,000 LF of infiltration trenches, approximately 3,200 LF of vegetated lined channels, approximately 1,470 LF of culverts, riparian buffers, stabilization of 100 CY of abandoned coal mine refuse, brush piles, and revegetation and reforestation. This project will control and infiltrate stormwater runoff eliminating erosion and sediment problems.							
Green Project:	Yes					Green Category: Green Infrastructure		
						Green Funding: \$735,985		

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Tri-Municipal Park		County: Centre	V-B	\$0	VII-B:	\$0	Project ID:	14075051704-CN
134 North Hoffer Avenue	P.O Box 54	Region: NC	VI-A:	\$0	VII-G:	\$0	Type:	UR
Centre Hall	PA 16828		VI-B:	\$0	VII-H:	\$0	DEP Rating:	16
			VI-C:	\$323,669	VII-K:	\$0	DEP Ranking:	11 of 14
			VI-D:	\$0	VII-M:	\$0	PV Rating:	21
			VII-A:	\$0	VIII:	\$0		
					ELIG. COS	\$323,669		
<p>Problem Description: Upgradient storm water runoff from the nearby mountain ridge directs sediment and nutrients from existing farming operations and a commercial nursery onto the tract of land owned by the Tri-Municipal Park and eventually discharges into an intermittent unnamed tributary to Cedar Run</p>								
<p>Project Description: The project consists of vegetated swales, rain gardens, and a detention/infiltration basin. The project will eliminate stormwater runoff to the stream.</p>								
Green Project: Yes						Green Category: Green Infrastructure		
						Green Funding: \$323,669		

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
LFF IV Timber Holding LLC d/b/a Lyme Penns 23 South Main Street Hanover NH 03755	County: Cameron Region: NC	V-B VI-A: VI-B: VI-C: VI-D: VII-A:	\$0 \$0 \$0 \$0 \$0 \$0	VII-B: VII-G: VII-H: VII-K: VII-M: VIII: ELIG. COS	\$0 \$200,000 \$0 \$24,800,000 \$0 \$0 \$25,000,000	Project ID: Type: DEP Rating: DEP Ranking PV Rating:	12206041710-CN O 14 12 of 14 24	
Problem Description:	Large scale commercial timberlands are being sold and subdivided at an unprecedented rate. These smaller parcels are more likely to be converted to uses other than large scale sustainable forest management resulting in increased runoff from development.							
Project Description:	This project will create a Working Forest Conservation Easement (WFCE), and construct a passive treatment system within the Sterling Run Tract adjacent to abandoned surface coal mines.							
Green Project:	Yes					Green Category:	Green Infrastructure	
						Green Funding:	\$25,000,000	

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION		
Coal Township			County: Northumberland	V-B	\$0	VII-B:	\$0	Project ID:	49003051801-CN
805 West Lynn St			Region: NC	VI-A:	\$0	VII-G:	\$0	Type:	UR
Coal Township	PA	17866		VI-B:	\$0	VII-H:	\$0	DEP Rating:	9
				VI-C:	\$0	VII-K:	\$1,094,250	DEP Ranking:	13 of 14
				VI-D:	\$0	VII-M:	\$0	PV Rating:	24
				VII-A:	\$0	VIII:	\$0		
						ELIG. COS	\$1,094,250		

Problem Description: The stream embankment of Carbon Run is experiencing stability issues causing erosion and sediment pollution during heavy rain events.

Project Description: Phase I and Phase II include the removal of the existing vegetation and debris within the channel and the re-grading of stream embankments for stabilization purposes. Stream banks will be lined with rip-rap rock and portions will have cast-in-place concrete walls. The project overall will also include the rehabilitation of walls, including the removal of existing portions which are failing. Phase I will include complete clearing and grubbing of the entire project area and construction of Wall #1. This will eliminate the most immediate threat.

Green Project: No

Green Category:

Green Funding: \$0

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LFF IV Timber Holding LLC d/b/a Lyme Penns 23 South Main Street Hanover NH 03755	County: Cameron Region: NC	V-B VI-A: VI-B: VI-C: VI-D: VII-A:	\$0 \$0 \$0 \$0 \$0 \$0	VII-B: VII-G: VII-H: VII-K: VII-M: VIII:	\$0 \$550,000 \$0 \$24,900,115 \$0 \$0	Project ID: Type: DEP Rating: DEP Ranking PV Rating:	12006031708-CN O 1 14 of 14 11	
				ELIG. COS §116,588,115				
Problem Description:		Large scale commercial timberlands are being sold and subdivided at an unprecedented rate. These smaller parcels are more likely to be converted to uses other than large scale sustainable forest management resulting in increased runoff from development.						
Project Description:		The project will provide immediate and permanent water quality protection for 9,400 acres of unprotected land in Cameron County (the Cameron Highlands/ Sterling Run drainage). The protection will be secured through Lyme's delivery of a working forest conservation easement, a permanent encumbrance to be held by unit of Pennsylvania government. The easement will provide enhanced riparian protection designed to reduce sedimentation, regulate stream temperatures, and enhance water quality. The easement will also establish a framework for completing acid mine drainage (AMD) restoration of the Sterling Run drainage.						
Green Project: Yes		Green Category: Green Infrastructure				Green Funding: \$25,450,115		