

**PENNSYLVANIA INFRASTRUCTURE INVESTMENT AUTHORITY AND DEPARTMENT OF ENVIRONMENTAL PROTECTION
CLEAN WATER STATE REVOLVING FUND
FEDERAL FY2022 APPROPRIATION – PROJECT PRIORITY LIST
NON-POINT SOURCE AND STORMWATER PROJECT PRIORITY LIST
UPDATED FOR THE APRIL 20, 2022 PENNVEST BOARD MEETING**

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
- VIIA – NPS CONTROL: AGRICULTURE (CROPLAND)
- VIIB – 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	
Lancaster County Conservation District - Levi Glick Manure Storage	County: Lancaster	V-B	\$0	VII-B:	\$515,813	Project ID:	361472042105-CN	
	Region: SC	VI-A:	\$0	VII-G:	\$0	Type:	AG	
1383 Arcadia Rd	Loan #: 72828	VI-B:	\$0	VII-H:	\$0	DEP Rating:	62	
Lancaster PA 17601		VI-C:	\$0	VII-K:	\$0	DEP Ranking	1 of 10	
		VI-D:	\$0	VII-M:	\$0	PV Rating:	67	
		VII-A:	\$0	VIII:	\$0			
				ELIG. COS	\$515,813			
Problem Description:	The milk house waste water is not collected. The existing storage holds approximately 2 month's worth of manure. The barn yard runoff is not collected and the runoff outlets through openings in the curb. Runoff from the barn yard flows into the pasture and towards the stream which is less than 200 ft. from the lot.							
Project Description:	The project consists of a 12ft x 86ft x 10 ft rectangular, concrete waste storage structure, 208 ft. of 4 inch perimeter drain, 130 ft. of 4 inch PVC pipe, a 6 inch PVC manure circulation pipe, a 64ft x 10 ft circular, concrete waste storage structure, a 12 ft. x 12 ft. concrete unloading pad, four pre-cast concrete surface inlets with grates, 190 ft. of 8 inch HDPE and 160 ft. of 12 inch HDPE pipe, a 56 sq. ft. riprap apron, a 25 ft. by 195 ft. grassed waterway, and a 12 ft. by 28 ft. slatted stream crossing. The project will capture uncontrolled runoff and provide 6 months of manure storage.							
Green Project:	Yes					Green Category:	Green Infrastructure	
						Green Funding:	\$515,813	

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Penn Township - Harrison Park/ Dolly Drive 201 Municipal Court P.O. Box 452 Harrison City PA 15636	County:	Westmoreland	V-B	\$0	VII-B:	\$0	Project ID:	652534092201-CF
	Region:	SW	VI-A:	\$1,598,235	VII-G:	\$0	Type:	SW
	Loan #:		VI-B:	\$0	VII-H:	\$0	DEP Rating:	52
			VI-C:	\$902,969	VII-K:	\$0	DEP Ranking	2 of 10
			VI-D:	\$0	VII-M:	\$0	PV Rating:	67
			VII-A:	\$0	VIII:	\$0		
					ELIG. COS	\$2,500,931		
Problem Description:	Dolly Avenue currently does not have any stormwater infrastructure within the roadway. There is periodic flooding of the roadway and basement and first floor flooding for some residences. Stormwater runoff from an agriculture field is not properly managed and causing flooding within the adjacent Harrison Park residential subdivision.							
Project Description:	The project consists of 1700 linear feet of new storm pipe and 22 inlets along Dolly Avenue, a new bioretention pond, 280 linear feet of new storm pipe and 3 inlets to capture and convey uncontrolled stormwater runoff from Damian Count to the new pond, 595 linear feet of vegetative swale, 1165 linear feet of storm pipe, 2 inlet boxes, 5 manholes, 1 endwall, 1325 linear feet of stormwater retention berms, and retrofit of an existion retention pond. The project will alleviate flooding along Dolly Avenue and the Harrison Park subdivision.							
Green Project:	Yes					Green Category:	Green Infrastructure	
						Green Funding:	\$902,696	

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APPLICANT INFORMATION			NEEDS CATEGORIES				PROJECT INFORMATION	
Philadelphia City GSI in Saunders Park, Fairmount, South Philly, and Harrowgate	County:	Philadelphia	V-B	\$6,825,000	VII-B:	\$0	Project ID:	512033072111-CF
	Region:	SE	VI-A:	\$0	VII-G:	\$0	Type:	SW
1101 Market St, 5th Floor Aramark Tower Philadelphia PA 19107	Loan #:	78025	VI-B:	\$0	VII-H:	\$0	DEP Rating:	52
			VI-C:	\$0	VII-K:	\$0	DEP Ranking	3 of 10
			VI-D:	\$0	VII-M:	\$0	PV Rating:	67
			VII-A:	\$0	VIII:	\$0		
					ELIG. COS	\$6,825,000		
Problem Description:	The city experiences combined sewer overflows (CSOs) during periods of wet weather. There is a Consent Order & Agreement requiring the city to reduce CSOs.							
Project Description:	The project consists of 34 Green Stormwater Infrastructure (GSI) systems, a combination of infiltration trenches, tree trenches, and stormwater bumpouts managing over 12 acres of drainage area in South Philly, Saunders Park, Fairmount, and Harrowgate. The project will reduce the volume of stormwater entering the combined system, resulting in a reduction of the number of CSOs.							
Green Project:	Yes					Green Category:	Green Infrastructure	
						Green Funding:	\$6,825,000	

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GSI in Packer Park, South Philly, Overbrook, Lawndale and Holmesburg	County:	Philadelphia	V-B	\$8,670,000	VII-B:	\$0	Project ID:	512033072112-CF
	Region:	SE	VI-A:	\$0	VII-G:	\$0	Type:	SW
1101 Market St, 5th Floor Aramark Tower Philadelphia PA 19107	Loan #:	78024	VI-B:	\$0	VII-H:	\$0	DEP Rating:	52
			VI-C:	\$0	VII-K:	\$0	DEP Ranking	4 of 10
			VI-D:	\$0	VII-M:	\$0	PV Rating:	67
			VII-A:	\$0	VIII:	\$0		
					ELIG. COS	\$8,670,000		
Problem Description:	The city experiences combined sewer overflows (CSOs) during periods of wet weather. There is a Consent Order & Agreement requiring the city to reduce CSOs.							
Project Description:	The project consists of 37 Green Stormwater Infrastructure (GSI) systems, a combination of rain gardens, infiltration trenches, tree trenches, and stormwater bumpouts managing over 18 acres of drainage area in Packer Park, South Philly, Overbrook, Lawndale, and Holmesburg. The project will reduce the volume of stormwater entering the combined system, resulting in a reduction of the number of CSOs.							
Green Project:	Yes					Green Category:	Green Infrastructure	
						Green Funding:	\$8,670,000	

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APPLICANT INFORMATION				NEEDS CATEGORIES			PROJECT INFORMATION	
Philadelphia Flat Rock Dam Manayunk Canal	County: Philadelphia	V-B	\$0	VII-B:	\$0	Project ID:	512033022012-CN	
	Region: SE	VI-A:	\$0	VII-G:	\$0	Type:	UR	
1101 Market St, 5th Floor Aramark Tower	Loan #: 71451	VI-B:	\$0	VII-H:	\$0	DEP Rating:	51	
Philadelphia PA 19107		VI-C:	\$0	VII-K:	\$20,960,000	DEP Ranking	5 of 10	
		VI-D:	\$0	VII-M:	\$0	PV Rating:	66	
		VII-A:	\$0	VIII:	\$0			
				ELIG. COS	\$20,960,000			
Problem Description:	The historical intake structure to the Manayunk Canal, Lock No. 68, has been barricaded with a steel sheet pile bulkhead. The Feeder Gate House is in a dilapidated condition and the entire lock and feeder system is inoperable, preventing flow into the Canal from the Intake Channel under typical flow conditions. silt and debris have accumulated within the intake channel, further obstructing "natural" flow into the Canal. Due to the obstruction of flow, the water quality in the Manayunk canal suffers from the current circumstances at the dam. The concentration of oxygen-poor discharge from the Manayunk Schuylkill Canal is just over one mile							
Project Description:	The project consists of selective demolition of the brick Feeder Gate House and concrete portions of the Feeder Structure, a new site access drive from the adjacent paperWorks property, selective demolition, crest lowering and structural rehabilitation of a portion of the Canal Intake Channel Wall, a new waste weir (spillway) and sluiceway, buttressing and restoration of a portion of the Canal Intake Channel Wall, a new diversion structure bulkhead wall across the Canal Intake Channel, a new intake structure with sluice gates, a new concrete conveyance channel, paved maintenance driveways, stormwater collection and conveyance systems, perimeter fencing and slope protection. The project will reintroduce the flow to the Manayunk Canal to improve downstream water quality and improve the water quality for the Queen Lane WTP.							
Green Project:	No					Green Category:	N/A	
						Green Funding:		

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Wyoming Valley SA 2021 ProFi MS4 Stormwater Projects	County: Luzerne	V-B	\$0	VII-B:	\$0	Project ID:	401636052107-CN	
	Region: NE	VI-A:	\$0	VII-G:	\$0	Type:	UR	
P.O. Box 33A	Loan #: 72830	VI-B:	\$0	VII-H:	\$0	DEP Rating:	44	
Wilkes-Barre PA 18703		VI-C:	\$2,180,710	VII-K:	\$12,321,890	DEP Ranking	6 of 10	
		VI-D:	\$0	VII-M:	\$0	PV Rating:	59	
		VII-A:	\$0	VIII:	\$0			
				ELIG. COS	\$14,502,600			
Problem Description:	Uncontrolled stormwater contributes to sediment and nutrient pollution. Wyoming Valley Sanitary Authority is required to meet pollutant reduction goals for sediment and nutrients in the Authority's MS4 Regional Chesapeake Bay Pollutant Reduction Plan, which they are administering on behalf of 31 municipalities located in Luzerne County.							
Project Description:	The project consists of restoration of 3,375 linear feet of Abrahams Creek, restoration of 3,200 linear feet of Gardner Creek, restoration of 400 linear feet of Mill Creek, restoration of 1,700 linear feet of Newport Creek, restoration of 2,054 linear feet of Spring Run and Solomon Creek, restoration of 5,450 linear feet of Warrior Creek, construction of a 0.33 acre rain garden, construction of a 0.32 acre rain garden, restoration of an existing 7.7 acre stormwater basin, restoration of an existing 2.4 acre stormwater basin, and restoration of an existing 8 acre stormwater basin. Design costs of \$1,165,507 are being funded with a separate loan (ME#77105).							
Green Project:	Yes					Green Category:	Green Infrastructure	
						Green Funding:	\$14,502,600	

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Bethel Park - Phase II - Thunderwood	County: Allegheny	V-B	\$0	VII-B:	\$0	Project ID:	02046042101-CF	
	Region: SW	VI-A:	\$1,052,861	VII-G:	\$0	Type:	SW	
5100 West Library Avenue	Loan #: 58136	VI-B:	\$0	VII-H:	\$0	DEP Rating:	37	
Bethel Park PA 15102		VI-C:	\$99,818	VII-K:	\$0	DEP Ranking	7 of 10	
		VI-D:	\$0	VII-M:	\$0	PV Rating:	52	
		VII-A:	\$0	VIII:	\$0			
				ELIG. COS	\$1,152,679			
Problem Description:	Thunderwood Drive and the surrounding area have been impacted by flooding events for many years. Overland flow and stormwater overwhelming the current system have contributed to significant flooding and damage to public facilities such as storm inlets, storm sewers, and streets, and well as several private residences in the area.							
Project Description:	The project consists of a 900 ft x 13ft x 2 ft swale, approximately 1250 linear feet of 42 inch stormwater pipe, and rehabilitation on approximately 1460 linear feet of existing stormwater pipe. The swale is expected to capture approximately 17 acres of overland flow. This project will alleviate the flooding issues in the area.							
Green Project:	Yes			Green Category:	Green Infrastructure			
				Green Funding:	\$99,818			

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Armstrong Conservation District-Armsdale Green Infrastructure	County:	Armstrong	V-B	\$0	VII-B:	\$0	Project ID:	03200052108-CN
	Region:	NW	VI-A:	\$0	VII-G:	\$0	Type:	UR
124 Armsdale Road, Suite B-2 Kittanning PA 16201	Loan #:	72831	VI-B:	\$0	VII-H:	\$0	DEP Rating:	34
			VI-C:	\$414,000	VII-K:	\$0	DEP Ranking	8 of 10
			VI-D:	\$0	VII-M:	\$0	PV Rating:	39
			VII-A:	\$0	VIII:	\$0		
					ELIG. COS	\$414,400		
Problem Description:	Uncontrolled stormwater from the Armstrong Conservation District property contributes to increased levels of sediment and nutrients being discharged to the unnamed tributary to Cowanshannock Creek.							
Project Description:	The project consists of 5 rain gardens, replacing existing concrete side walks with roughly 2,850 square feet of pervious pavers, constructing 560 linear feet of a vegetative swale, installing 16 rain barrels to collect roof runoff water, planting 20 trees, planting up to 1.5 acres of native vegetative plantings, constructing up to 1000 linear feet of Multi-function riparian buffer and moving roughly 500 feet of a 3 inch abandoned gas line to facilitate the construction of appropriate green infrastructure BMP's. The project will provide for the significant reduction of Nitrates, Phosphates, Sediment and other pollutants currently discharging to the unnamed tributary to Cowanshannock Creek.							
Green Project:	Yes					Green Category:	Green Infrastructure	
						Green Funding:	\$385,400	

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Somerset County Conservation District - Joe Walker Manure Storage	County:	Somerset	V-B	\$0	VII-B:	\$682,638	Project ID:	562216092201-CN
	Region:	SW	VI-A:	\$0	VII-G:	\$0	Type:	AG
6024 Glades Pike, Suite 103 Somerset PA 15501	Loan #:		VI-B:	\$0	VII-H:	\$0	DEP Rating:	32
			VI-C:	\$0	VII-K:	\$0	DEP Ranking	9 of 10
			VI-D:	\$0	VII-M:	\$0	PV Rating:	37
			VII-A:	\$0	VIII:	\$0		
					ELIG. COS	\$682,638		
Problem Description:	Limited liquid manure storage capacity has occasionally resulted in overflows from the existing storage structure, and there are no solid manure stacking facilities, so solid manure is land applied daily. The limited manure storage duration results in manure being spread when field conditions or presence of crops make the ground unsuitable for spreading. Runoff from the fields receiving manure and from the existing manure storage location flows toward an unnamed tributary to Blue Lick Creek.							
Project Description:	The project consists of a circular concrete manure storage tank, manure transfer line, a roofed heavy use area and manure stacking area, stabilization and resurfacing of a silage storage pad and field lanes, diversions, waterways, and culverts. The project will provide six months of manure storage and eliminate manure spreading at unsuitable times.							
Green Project:	Yes					Green Category:	Green Infrastructure	
						Green Funding:	\$682,638	

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Luzerne County Conservation District - Kevin Drasher Manure Storage	County: Luzerne	V-B	\$0	VII-B:	\$630,000	Project ID:	401657102202-CN	
	Region: NE	VI-A:	\$0	VII-G:	\$0	Type:	AG	
325 Smiths Pond Road	Loan #:	VI-B:	\$0	VII-H:	\$0	DEP Rating:	30	
Shavertown PA 18708		VI-C:	\$0	VII-K:	\$0	DEP Ranking	10 of 10	
		VI-D:	\$0	VII-M:	\$0	PV Rating:	35	
		VII-A:	\$0	VIII:	\$0			
				ELIG. COS	\$630,000			
Problem Description:	The existing earthen manure storage pond is past its useful life, undersized, and showing signs of degradation. Surface water is causing significant erosion on access roads, diversion outlets and heavy use areas.							
Project Description:	The project consists of decommissioning the existing earthen manure storage, a new 12 ft x 80 ft circular concrete manure storage tank, 2516 sq ft roof over the feedlot, 200 linear feet of roof gutters, 569 linear feet of storm drain pipe, 325 linear feet reinforced gravel access roads, 26 linear feet of manure transfer line, 776 square feet of concrete heavy use area, 175 linear feet of animal walkway, and 235 linear feet of fencing around the animal walkway. The project will provide adequate manure storage and alleviate runoff and erosion issues.							
Green Project:	Yes					Green Category:	Green Infrastructure	
						Green Funding:	\$630,000	