#### **EXPLANATION OF HEADINGS**

#### NEEDS CATEGORY

VIA – STORMWATER CONVEYANCE INFRASTRUCTURE

VIB - STORMWATER TREATMENT SYSTEMS

VIC - GREEN INFRASTRUCTURE

VIIA – NPS CONTROL: AGRICULTURE (CROPLAND)

VIIB - NPS CONTROL: AGRICULTURE (ANIMALS)

VIIG - NPS CONTROL: RESOURCE EXTRACTION

VIIH - NPS CONTROL: BROWNFIELDS

VIIK - NPS CONTROL: HYDROMODIFICATION

VIIM - NPS CONTROL: OTHER ESTUARY MANAGEMENT ACTIVITIES

VIII - CONFINED ANIMALS (POINT SOURCE)VIB - STORMWATER TREATMENT SYSTEMS

#### 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 ESTIMATED NEEDS FOR ELIGIBLE PROJECT

APPL	APPLICANT INFORMATION					EDS CATEGOR	IES	PROJECT INFORMATION	
Elmer P. King		County:	Lancaster	VI-A:	\$0	VII-G:	\$0	Project ID:	36009031508-CN
225 Hollow Road	<b>5.</b>	Region:	SC	VI-B:	\$0	VII-H:	\$0	Type:	AG
Quarryville	PA 1756	66		VI-C:	\$0	VII-M:	\$0	DEP Rating:	81
				VII-A:	\$0	VIII:	\$0	DEP Ranking	1 of 20
				VII-B:	\$385,490	ELIG. COS	\$385,490	PV Rating:	86
							vailable and the manure is se waste water is uncollecte		
Project Description:	28x48 (	dry cow compo	ost facility, 38x48 roo	of structure, 10x	κ63 manure stor	age, 8x10x8 rec	eption pit, 24x32 roofed sta	acking structure, 50' bu	ffer and related BMP:
Green Project: Yes	s						Green Category:	Green Infrastructure	
							Green Funding:	\$385,490	

APPLICA	NT INFORMATION			NE	EDS CATEGOR	PROJECT INFORMATION		
Chester County Conservat	ion District County:	York	VI-A:	\$0	VII-G:	\$0	Project ID:	67096021505-CN
688 Unionville Road, Suite	3	SC	VI-B:	\$0	VII-H:	\$0	Type:	AG
Kennett Square PA	A 19348		VI-C:	\$0	VII-M:	\$0	DEP Rating:	77
			VII-A:	\$0	VIII:	\$0	DEP Ranking	2 of 20
			VII-B:	\$609,128	ELIG. COS	\$609,128	PV Rating:	82
Problem Description:	by the crops. It also	0 ,	ige. The dairy h		•	ng spread on frozen ground crete lot below the stanchid		
Project Description:	Concrete retaining	walls will be installed o	on the lower side	e of the HUA ar	ea. Additional s	re transfer line, and rectan upporting practices such as will also be installed to bette	s inlet boxes, a turf rein	forced waterway
Green Project: Yes						Green Category:	Green Infrastructure	
						Green Funding:	\$609,128	

APPLICA	NT INFORMATIO	N		NE	EDS CATEGOR	PROJECT INFORMATION		
Chester County Conservat	ion District Coun	ty: Lancaster	VI-A:	\$0	VII-G:	\$0	Project ID:	36183041505-CN
688 Unionville Road, Suite	· ·	on: SC	VI-B:	\$0	VII-H:	\$0	Type:	AG
Kennett Square PA	A 19348		VI-C:	\$0	VII-M:	\$0	DEP Rating:	67
			VII-A:	\$0	VIII:	\$0	DEP Ranking	3 of 20
			VII-B:	\$229,380	ELIG. COS	\$229,380	PV Rating:	72
Project Description:	through the lot a	nd flushes waste to the s	itream.	torage at the bo	ottom of a new co	oncrete lot that all waste wi	Il flow to. The lot will be	e sloped to this
Green Project: Yes		ope storm water and surf ken away from the headq			nd and collected	in subsurface pipes and ta  Green Category:	ken to stable outlets. F	
						Green Funding:	\$229,380	

APPLICA	NT INFORMATIO	N		NE	EDS CATEGOR	IES	PROJECT INFORMATION			
Chester County Conservat	tion District Cour	ty: Lancaster	VI-A:	\$0	VII-G:	\$0	Project ID:	36024041701-CN		
688 Unionville Road, Suite	9	on: SC	VI-B:	\$0	VII-H:	\$0	Type:	AG		
Kennett Square PA	A 19348		VI-C:	\$0	VII-M:	\$0	DEP Rating:	66		
			VII-A:	\$0	VIII:	\$0	DEP Ranking	4 of 20		
			VII-B:	\$350,467	ELIG. COS	\$350,467	PV Rating:	71		
Problem Description:	Problem Description:  The existing manure strorage is undersized and failing. Manure is spread over the winter months and when crop conditions are not suitable for manure application. Much of the ground is steep and highly erodible (HEL) land, resulting in potential manure runoff from the fields. Storm water collected from the driveway and crop fields is creating a large erosion ditch at the edge of his fields. Unimproved earthen cattle walkways contribute to erosion that is entering the diversions and waterway.									
Project Description:		of a 70'x10' cicular manu ail. The increased storag				305 sq ft paved and curbed g to the stream.	l barnyard, and 14,400	sq ft reinforced		
Green Project: Yes						Green Category:	Green Infrastructure			
						Green Funding:	\$350,467			

APP	APPLICANT INFORMATION					EDS CATEGOR	PROJECT INFORMATION		
Keystone Anthracite (	Co. Inc.	County:	Schuylkill	VI-A:	\$0	VII-G:	\$3,620,736	Project ID:	54201051504-CN
259 Second Street		Region:	NE	VI-B:	\$0	VII-H:	\$0	Type:	AMD
Girardville	PA 179	35		VI-C:	\$0	VII-M:	\$0	DEP Rating:	62
				VII-A:	\$0	VIII:	\$0	DEP Ranking	5 of 20
				VII-B:	\$0	ELIG. COS	\$3,620,736	PV Rating:	72
Project Description:	conce flow w	ntration of 6 mg	g/L (resulting in a me	edian loading of 91	lbs/day). Th	e end product v	e discharge currently exhibi vill be slightly alkaline and e PM); and be released throu	xhibit an aluminum cor	centration of 2. This
Green Project: Ye	es						Green Category: Green Funding:	Green Infrastructure \$3,620,736	

APPLICA	APPLICANT INFORMATION					IES	PROJECT INFORMATION	
Christ F. King	County:	Lancaster	VI-A:	\$0	VII-G:	\$0	Project ID:	36024031605-CN
100 Sproul Rd	Region:	SC	VI-B:	\$0	VII-H:	\$0	Type:	AG
Christiana P	PA 17509		VI-C:	\$0	VII-M:	\$0	DEP Rating:	62
			VII-A:	\$0	VIII:	\$0	DEP Ranking	6 of 20
			VII-B:	\$372,945	ELIG. COS	\$372,945	PV Rating:	67
Problem Description:  Project Description:	down the bank towar	ds the Octoraro Creel	<ul><li>k. Stromwater</li><li>nure storage ta</li></ul>	from the drivew	ray and roofs and	or months. Polluted discarged surface water from the field surface water from the field surface water from the field surface water water from the field surface water wa	elds causes erosion iss elds causes erosion iss elds erosion is entre elds elds elds erosion is elds elds elds elds elds elds elds eld	vies. ite, roof runoff
Green Project: Yes	sediment loading the	Octoraro Creek.		·	·	·		

APPLICA	APPLICANT INFORMATION					NEEDS CATEGORIES				
Chester County Conservat	tion District County	Chester	VI-A:	\$0	VII-G:	\$0	Project ID:	15078061611-CN		
688 Unionville Road, Suite	J	: SE	VI-B:	\$0	VII-H:	\$0	Type:	AG		
Kennett Square PA	A 19348		VI-C:	\$0	VII-M:	\$0	DEP Rating:	61		
			VII-A:	\$0	VIII:	\$0	DEP Ranking	7 of 20		
			VII-B:	\$974,323	ELIG. COS	\$974,323	PV Rating:	66		
Project Description:		ts of manure storages,		ad, manure tran	isfer line, downs	pouts and gutters, cattle wa	alkway. This will elima	te manure spreading		
Green Project: Yes	during winter mon	ins and control stormw	ater runon			Green Category:	Green Infrastructure			
						Green Funding:	\$974,323			

APPLICA	APPLICANT INFORMATION					IES	PROJECT INFORMATION	
Chester County Conservat	ion District Cou	nty: Lancaster	VI-A:	\$0	VII-G:	\$0	Project ID:	36066031701-CN
688 Unionville Road, Suite	J	ion: SC	VI-B:	\$0	VII-H:	\$0	Type:	AG
Kennett Square PA	A 19348		VI-C:	\$0	VII-M:	\$0	DEP Rating:	60
			VII-A:	\$0	VIII:	\$0	DEP Ranking	8 of 20
			VII-B:	\$245,949	ELIG. COS	\$245,949	PV Rating:	65
Animals are only in the barn during milking, the manure flows slowly through the gutters, resulting in increased drying of the manure, which compounds the problem of the manure flow. Roof gutters on the barn are in dis-repair, resulting in roof water running into the barn and discharging unto the cattle travel paths. A section of unimproved pasture is currently being utilized, resulting in uncollected manure and runoff from this site throughout the year.								
Project Description:	, ,	nsists of a 38' x 56' heavy u mal trails and walkways.	ise area, 24' x 3	38' roofed manu	re stacking struc	cture, roof runoff controls, v	vatering facility, diversion	ons, underground
Green Project: Yes						Green Category:	Green Infrastructure	
						Green Funding:	\$245,949	

APPLICA	NT INFORMATION			NEI	EDS CATEGORI	IES	PROJECT INFORMATION	
Chester County Conservat	tion District County:	Lancaster	VI-A:	\$0	VII-G:	\$0	Project ID:	36060041701-CN
688 Unionville Road, Suite	J	SC	VI-B:	\$0	VII-H:	\$0	Type:	AG
Kennett Square PA	A 19348		VI-C:	\$0	VII-M:	\$0	DEP Rating:	58
			VII-A:	\$0	VIII:	\$0	DEP Ranking	9 of 20
			VII-B:	\$347,055	ELIG. COS	\$347,055	PV Rating:	63
Problem Description:  Project Description:	storage holds appr traverse along the	oximately 6 weeks wor stream bank. Surface v	th of manure, re water from the o	equiring manure Iriveway flows a	to be spread thi cross the walkw	n are located in the floodpla roughout the winter months ray and can flush uncollected cture, 20'x50' concrete hea	s. Unimproved earther ed manure directly into	n cattle walkways the stream.
, ,	reinforced gravel a	nimal walkway, 384 sq	ft of slatted stre	eam crossing, 1	2' x 250' reinford	ed gravel animal walkay, soad, and gutters and down	treambank fencing, 2 i spouts.	nlets, 40 ft 8" HDPE
Green Project: Yes						Green Category:  Green Funding:	Green Infrastructure \$347,055	
						Croom randing.	ψο 11,000	

APPLICA	APPLICANT INFORMATION					IES	PROJECT INFORMATION	
Aaron Glick	County:	Lancaster	VI-A:	\$0	VII-G:	\$0	Project ID:	36009041605-CN
87A Quarry Rd	Region:	SC	VI-B:	\$0	VII-H:	\$0	Type:	AG
Quarryville P	PA 17566		VI-C:	\$0	VII-M:	\$0	DEP Rating:	57
			VII-A:	\$162,520	VIII:	\$0	DEP Ranking	10 of 20
			VII-B:	\$0	ELIG. COS	\$162,520	PV Rating:	62
Problem Description:	Soil is eroding in the pasture.	existing cropland, sto	ormwater is was	shing away sect	ions of the head	quarters and nutrients are	entering the stream thr	ough sections of the
Project Description:	This project includes sediment loading to t		unoff, swales, g	rassed waterwa	ys, fencing, con	crete slatted and gravel str	eam crossings. These	BMPs will reduce
Green Project: Yes						Green Category:	Green Infrastructure	
						Green Funding:	\$162,520	

APPLICA	APPLICANT INFORMATION						NEEDS CATEGORIES				
Stormwater Authority of the	e City of C	County:	Delaware	VI-A:	\$0	VII-G:	\$0	Project ID:	23018061609-AN		
419 Avenue of the States		Region:	SE	VI-B:	\$0	VII-H:	\$0	Type:	UR		
Chester PA	A 19013			VI-C:	\$1,000,000	VII-M:	\$0	DEP Rating:	54		
				VII-A:	\$0	VIII:	\$0	DEP Ranking	11 of 20		
				VII-B:	\$0	ELIG. COS	\$1,000,000	PV Rating:	89		
Project Description:				Ü		0 0.	c health and safety.  f stormwater through natura	l processes (filtration, i	nfiltration and		
Out Daint No	vegetative	e uptake) wł	nile also reduce stor	mwater runoff	volumes, which v	will reduce the s	stress and loading on draina	,			
Green Project: Yes							Green Category:	Green Infrastructure			
							Green Funding:	\$1,000,000			

APPLICA	NT INFORMAT	ION		NE	EDS CATEGOR	PROJECT INFORMATION		
Chester County Conservat	tion District Co	ounty: Lancaster	VI-A:	\$0	VII-G:	\$0	Project ID:	36024021510-CN
688 Unionville Road, Suite		egion: SC	VI-B:	\$0	VII-H:	\$0	Type:	AG
Kennett Square PA	A 19348		VI-C:	\$0	VII-M:	\$0	DEP Rating:	53
			VII-A:	\$0	VIII:	\$0	DEP Ranking	12 of 20
			VII-B:	\$314,550	ELIG. COS	\$314,550	PV Rating:	58
Project Description:	38' x 60' Heife		ς 52' Manure storage	e, 10'x 60' x 6' re		20' x 10' reception pit, 12' x	60 ' cattle walkways, ı	reinforced gravel
Green Project: Yes	access road	at manure storage, and	concrete heavy use	ares		Green Category:	Green Infrastructure	
C. CONT. 10,000. 100						Croon Calegory.	C. Con minadiracture	
						Green Funding:	\$314,550	

APPLICA	NT INFORMATION			NE	EDS CATEGOR	IES	PROJECT	Γ INFORMATION
Chester County Conservat	ion District County:	Chester	VI-A:	\$0	VII-G:	\$0	Project ID:	15078071701-CN
688 Unionville Road, Suite	3	SE	VI-B:	\$0	VII-H:	\$0	Type:	AG
Kennett Square PA	A 19348		VI-C:	\$0	VII-M:	\$0	DEP Rating:	52
			VII-A:	\$0	VIII:	\$0	DEP Ranking	13 of 20
			VII-B:	\$408,039	ELIG. COS	\$408,039	PV Rating:	57
Problem Description:  Project Description:	and replacement and area and animal con	mals is stockpiled on centration areas. Sur of 67' x 12' circular c lot with 172 ft of curb	a concrete barr face runoff from oncrete waste s ing and 204 ft o	n yard and uncon the crop fields storage structure of confinement f	overed. There and pasture has and pasture has e, 7,500 sq ft here ence and gates,	ot currently collected. The re no provisions in place to s created an open ditch in the avy use area, 12' x 12' con 32' x 48' roofed manure st vel access roads.	collect the runoff from he pasture.	the manure stacking  25 ft of 4" drain,
Green Project: Yes						Green Category:	Green Infrastructure	
						Green Funding:	\$408,309	

APPLICA	NT INFORMATION			NE	EDS CATEGOR	IES	PROJEC	T INFORMATION
Mark & Melanie Bachman	County:	Potter	VI-A:	\$0	VII-G:	\$0	Project ID:	53087021605-CN
439 Pushersiding Street	Region:	NC	VI-B:	\$0	VII-H:	\$0	Type:	AG
Ulysses PA	16948		VI-C:	\$0	VII-M:	\$0	DEP Rating:	46
			VII-A:	\$0	VIII:	\$0	DEP Ranking	14 of 20
			VII-B:	\$285,795	ELIG. COS	\$242,196	PV Rating:	51
Project Description:	This project includes:	•	, ,	·	ined waterway, u	undergroud outlets, roof rur	off controls, and waste	e transfer. This
Green Project: Yes						Green Category:	Green Infrastructure	
						Green Funding:	\$285,795	

APPLICA	NT INFORMATION	ON		NE	VII-H: \$0 Type:  VII-M: \$0 DEP Rating:  VIII: \$0 DEP Ranking  ELIG. COS \$761,400 PV Rating:  Perts are silted shut which has restricted the hydraulic carrying capacity of the charge channels, sending stormwater across the trail corridor and eroding the trail surface.			
Armstrong County Conser	vation Distr Cou	unty: Clarion	VI-A:	\$108,909	VII-G:	\$0	Project ID:	03072041510-CN
124 Armsdale Road, Suite	J	gion: NW	VI-B:	\$0	VII-H:	\$0	Type:	UR
Kittanning P/	A 16201		VI-C:	\$444,091	VII-M:	\$0	DEP Rating:	46
			VII-A:	\$0	VIII:	\$0	DEP Ranking	15 of 20
			VII-B:	\$0	ELIG. COS	\$761,400	PV Rating:	51
Problem Description:  Project Description:	and culverts. T surrounding gr Infiltration tren Forest Buffer N 390 – Specific roughly 3.5 mil	The lack of capacity is cau- round. The sediment then the sediment then the sediment then the sediment is caused and the sediment is capacity in the sediment in the sediment is capacity in the sediment is capacity in the sediment then the sediment is capacity in the sediment then the sediment is capacity in the sediment then the sediment is capacity in the sediment then the sediment the sediment the sediment the sediment the sediment is capacity in the sediment t	sing stormwater gets carried awa Control NRCS C and shoreline pro d St. Charles stre Redbank Trails.	to overtop the cay to the neighbors to the neighbors to the neighbors to the cay to the	channels, sendin oring waterways. tated swales (Op bank and Shorel zation sites), and 1,100 LF of culve	g stormwater across the tra- ben Channels NRCS Code line Protection NRCS 580 / d revegetation and reforestants will be replaced, 4,100	ail corridor and eroding 582), riparian buffer re Riparian Herbaceous ation using native plant	the trail surface and storation (Riparian Cover NRCS Code species along
Green Project: Yes						Green Category:	Green Infrastructure	
						Green Funding:	\$444,091	

APPLICA	ANT INFORMATION			NEI	EDS CATEGOR	RIES	PROJEC <sup>-</sup>	TINFORMATION
Partnership for the Delawa	are Estuary Count	: Delaware	VI-A:	\$0	VII-G:	\$0	Project ID:	51001091608-CN
110 South Poplar Street, S	J	n: SE	VI-B:	\$0	VII-H:	\$0	Type:	Ο
Wilmington DI	E 19801		VI-C:	\$0	VII-M:	\$5,763,829	DEP Rating:	44
			VII-A:	\$0	VIII:	\$0	DEP Ranking	16 of 20
			VII-B:	\$0	ELIG. COS	\$5,763,829	PV Rating:	59
Problem Description:  Project Description:	A mussel hatcher	trient pollution in the forn y able to produce 500,0 e water column, resultin	00 mussels annuall	y to add to i	mpaired waterb	oodies where the mussels w	ll naturally remove sus	spended matter and
Green Project: Yes						Green Category:	Green Infrastructure	
						Green Funding:	\$5,763,829	

APPLICAN	NT INFORMATION			NEI	EDS CATEGOR	RIES	PROJECT	TINFORMATION
Temple University of the Co	ommonwe County:	Philadelphia	VI-A:	\$0	VII-G:	\$0	Project ID:	51001071512-CN
1801 North Broad Street	Region:	SE	VI-B:	\$0	VII-H:	\$0	Type:	SW
Philadelphia PA	19112		VI-C:	\$0	VII-M:	\$0	DEP Rating:	34
			VII-A:	\$0	VIII:	\$0	DEP Ranking	17 of 20
			VII-B:	\$0	ELIG. COS	\$6,747,933	PV Rating:	39
Project Description:	' '				•	, Silva Cells w/ Landscaping reen roof landscaping and p		stormwater piping,
0 5							0 1/	
Green Project: Yes						Green Category:	Green Infrastructure	
						Green Funding:	\$6,747,933	

APPLICA	NT INFORMATION			NE	EDS CATEGOR	IES	PROJECT	INFORMATION
Armstrong County Conser	vation Distr County:	Clarion	VI-A:	\$132,000	VII-G:	\$31,350	Project ID:	16009021610-CN
124 Armsdale Road, Suite	3	NW	VI-B:	\$0	VII-H:	\$0	Type:	UR
Kittanning PA	A 16201		VI-C:	\$586,596	VII-M:	\$0	DEP Rating:	32
			VII-A:	\$0	VIII:	\$0	DEP Ranking	18 of 20
			VII-B:	\$0	ELIG. COS	\$749,946	PV Rating:	37
Project Description:	coming from old coa	al mine spoil piles at se ct will reduce the non-p g and stabilizing existin	everal locations point source pong channels an	s along the corri ollution problem nd culverts or re	idor.  s stemming from placing the culve	cal area treatment. Signification the project areas by provierts, stabilize stormwater conserving the natural cover.	ding areas for enhance	d infiltration of
Green Project: Yes						Green Category:	Green Infrastructure	
						Green Funding:	\$749,946	

APPLICA	NT INFORMATION			NE	EDS CATEGOR	RIES	PROJECT	INFORMATION
TKMG Associates, LP	County:	Philadelphia	VI-A:	\$0	VII-G:	\$0	Project ID:	51000021408-CN
120 East Lancaster Ave	Region:	SE	VI-B:	\$0	VII-H:	\$0	Type:	UR
Philadelphia PA	A 19003		VI-C:	\$2,594,650	VII-M:	\$0	DEP Rating:	25
			VII-A:	\$0	VIII:	\$0	DEP Ranking	19 of 20
			VII-B:	\$0	ELIG. COS	\$2,594,650	PV Rating:	35
Project Description:	repair and reconstruc	ct the existing stormw	ater basin					
. reject 2 coorphon.	ropali and roombine	or the extending eleminary	ato: 245III					
Green Project: Yes						Green Category:	Green Infrastructure	
						Green Funding:	\$2,594,650	

APPL	LICANT INFO	RMATION			NE	EDS CATEGOR	IES	PROJEC <sup>-</sup>	T INFORMATION
Everett Borough		County:	Bedford	VI-A:	\$633,618	VII-G:	\$0	Project ID:	05030021601-CN
100 Mechanic Street	D.4	Region:	SC	VI-B:	\$0	VII-H:	\$0	Type:	UR
Everett	PA 1553	37		VI-C:	\$287,077	VII-M:	\$0	DEP Rating:	20
				VII-A:	\$0	VIII:	\$0	DEP Ranking	20 of 20
				VII-B:	\$0	ELIG. COS	\$920,395	PV Rating:	40
Problem Description:			a River and contribut				ation is contributing to eros		•
Project Description:	Sedime	ent removal, re	etention pond restora	ation, culvert rep	placement and r	elocation			
Green Project: Ye	s						Green Category:	Green Infrastructure	
							Green Funding:	\$287,077	