EXPLANATION OF HEADINGS

NEEDS CATEGORY:

I - SECONDARY TREATMENT

II - TREATMENT MORE STRINGENT THAN SECONDARY

IIIA - INFILTRATION/INFLOW CORRECTION

IIIB - MAJOR SEWER SYSTEM REHABILITATION

IVA - NEW COLLECTOR SEWERS AND APPURTENANCES

IVB - NEW INTERCEPTORS AND APPURTENANCES

V - CORRECTION OF COMBINED SEWER OVERFLOWS

PROJECT TYPE:

STP - SEWAGE TREATMENT PLANT

STPMOD - SEWAGE TREATMENT PLANT MODIFICATION

INT - INTERCEPTOR

PS - PUMP STATION

FM - FORCE MAIN

SS - SEWER SYSTEM

SSREH - SEWER SYSTEM REHABILITATION

EC/PFAS - EMERGING CONTAMINANT/PER- AND POLYFLUOROALKYL SUBSTANCES

NPDES #: NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT NUMBER

PROJECT NUMBER: DEP PROJECT IDENTIFICATION NUMBER

LOAN #: PENNVEST LOAN NUMBER OF FUNDED PROJECT ESTIMATED ELIGIBLE NEEDS FOR PROJECT

GPR GREEN PROJECT RESERVE

Note: Green Project Reserve pertains to categorical projects considered for funding after the issuance of EPA's "Procedures for Implementing Certain Provisions of EPA's Fiscal Year 2012 Appropriations Affecting the Clean Water and Drinking Water State Revolving Fund Programs". Additionally, per EPA's 2017 guidance update "Change to the Clean Water State Revolving Fund Green Project Reserve Guidance" inflow/Infiltration (I/I) projects no longer require a business case. Therefore, I/I project costs have been considered green project reserve and categorized under energy efficiency. If an applicant requests partial funding through PENNVEST, GPR funding will be proportioned accordingly for federal accounting purposes.

NEEDS CATEGORIES

IIIA - Infiltration/Inflow Correction

PROJECT INFORMATION

IIIB - Major Sewer System Rehabilitation V - Correction of Combined Sewer Overflows

APPLICANT INFORMATION

II - Treatment more Stringent than Secondary

I - Secondary Treatment

IVA - New Collector Sewers and Appurtenances

	AFFEICANT INFORM				11000	S CATEGORIES		PROJECTII		
Shaler Twp - Cor	nsent Order Lining Project	COUNTY: Allegheny		COUNTY: Allegheny I:		neny I: \$0 IVA:		\$0	PROJECT NO.:	CS423388-01
300 Wetzel Road	d	REGION:	SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	SSREH, I/I	
Glenshaw, PA 1	15116	NPDES #:	PA0217611	IIIA:	\$3,550,000	V:	\$0	DEP RATING:	52	
		LOAN #:	71493	IIIB:	\$750,000	ELIG. COST:	\$4,300,000	DEP RANKING:	1 of 23	
								PV RATING:	67	
PROB DESC:	Shaler Township's collection Addressing this problem is p	•	•				, ,		collection system	
PROB DESC:	•	art of the requi epairs to defect ce-pipe lining o	rements of the Al tive sewer lines a of approximately 3	legheny C and manho 30,000 line	ounty Health D bles through exc ear feet of sewe	epartment Consence cavation, insitu linir r pipes, rehabilitati	nt Order and Agreem ng, and rehabilitation ing approximately 17	ent. n of existing manhole str 77 manholes and installi	uctures. The ng approximately	

	APPLICANT INFORMATION			NEEDS CATEGORIES			PROJECT INFORMATION		
	icks County Municipal CIPP Lining Project	PP Lining Project		PROJECT NO.:	CS423396-01				
815 Bustleton P	ike	REGION:	SE	II:	\$0	IVB:	\$0	PROJ. TYPE:	SSREH, I/I
Richboro, PA 18	8954	NPDES #:	PA0026689	IIIA:	\$9,434,574	V:	\$0	DEP RATING:	52
		LOAN #:	71498	IIIB:	\$0	ELIG. COST:	\$9,434,574	DEP RANKING:	2 of 23
								PV RATING:	57
PROB DESC:	Northampton Bucks Coun collection system was corunder a Chapter 94 Corre	structed between ctive Action Plan/	1973 and 1980, Connection Mana	the pipes agement F	are mostly mad Plan with the PA	le of vitrified clay p DEP due to the si	ipes and are defect gnificant inflow and	ve due to their age. NB0 infiltration (I/I) issues wit	CMA is operating thin their collection
PROB DESC:	collection system was con	structed between ctive Action Plan/ nfiltration and infl	1973 and 1980, Connection Mana	the pipes agement F	are mostly mad Plan with the PA	le of vitrified clay p DEP due to the si	ipes and are defect gnificant inflow and	ve due to their age. NB0 infiltration (I/I) issues wit	CMA is operating thin their collection
PROB DESC:	collection system was con under a Chapter 94 Corre and conveyance system.	structed between ctive Action Plan/nfiltration and infles in the system. bilitate part of their mains and 729 less than the system.	1973 and 1980, Connection Mana ow during wet we ir collection and c aterals. It also inc	the pipes agement F eather eve conveyance cludes inst	are mostly mad Plan with the PA nts results in sign ee system using	le of vitrified clay p DEP due to the si gnificant increase cured-in-place-pip	ipes and are defect gnificant inflow and in the base flow, ove be (CIPP) lining. Thi	ve due to their age. NB0 infiltration (I/I) issues with the pump state of the pump s	CMA is operating hin their collection ations and leading approximately

IVB - New Interceptors and Appurtenances

IIIA - Infiltration/Inflow Correction

I - Secondary Treatment

IVA - New Collector Sewers and Appurtenances

II - Treatment more Stringent than Secondary

IIIB - Major Sewer System Rehabilitation

V - Correction of Combined Sewer Overflows

APPLICANT INFOR	APPLICANT INFORMATION				S CATEGORIES	PROJECT INFORMATION		
Clintonville Borough Sewer and Water Authority - New WWTP, Pumps, and Emergency Generators	COUNTY:	Venango	l:	\$0	IVA:	\$0	PROJECT NO.:	CS423370-01
109 Franklin Street	REGION:	NW	II:	\$5,893,855	IVB:	\$0	PROJ. TYPE:	STPMOD, PS
Clintonville, PA 16372	NPDES #:	PA0029114	IIIA:	\$0	V:	\$0	DEP RATING:	50
	LOAN #:	71489	IIIB:	\$393,613	ELIG. COST:	\$6,287,468	DEP RANKING:	3 of 23
							PV RATING:	65

experiencing hydraulic and organic loading exceedances and effluent quality issues. The original COA was executed on September 22, 2015, and then revised on September 28, 2021. The revised COA requires that the Authority construct and place in service a new sewage treatment plant by the end of September 2025 that will replace the more than 50-year-old existing plant.

PROJ DESC:

The Authority proposes to construct new headworks with a dual auger debris removal system, 100,000 gallons per day dual tank continuous flow sequential batch reactor treatment plant, a combined blower, sludge dewatering, wet lab, a UV effluent treatment building, and approximately 1,100 linear feet of new treated effluent discharge gravity system. The new plant will also incorporate a new electrical service and power distribution center, an emergency generator capable of powering the entire plant, a new security fence around the plant and a supervisory control and data acquisition (SCADA) system. Additionally, this project will replace or rehabilitate two pump stations and install security fencing and an emergency generator at each pump station. Upon completion and startup of the new sewage treatment plant, the existing plant will be demolished, and a rain garden trench will be installed for post construction stormwater management. Environmental benefits include eliminating the flow of untreated sewage to the borough's waterways.

Green Project Reserve (GPR): No GPR Category: N/A GPR Funding: \$0.00

I - Secondary Treatment II - Treatment more Stringent than Secondary IIIA - Infiltration/Inflow Correction IIIB - Major Sewer System Rehabilitation

I - Secondary Treatment II - Treatment more Stringent th
IVA - New Collector Sewers and Appurtenances

than Secondary IIIA - Infiltration/Inflow Correction IVB - New Interceptors and Appurtenances

IIIB - Major Sewer System Rehabilitation V - Correction of Combined Sewer Overflows

	APPLICANT INFORMATION					NEED	S CATEGORIES	PROJECT INFORMATION		
Port Royal Municipal A	Authority	- 2024 WWTP	COUNTY:	Juniata	l:	\$2,358,692	IVA:	\$0	PROJECT NO.:	CS423380-01
804 West Eighth Stree	et	P.O. Box 236	REGION:	SC	II:	\$0	IVB:	\$0	PROJ. TYPE:	STPMOD, PS
Port Royal, PA 17082	2		NPDES #:	PA0020648	IIIA:	\$0	V:	\$0	DEP RATING:	48
			LOAN #:	71494	IIIB:	\$1,823,519	ELIG. COST:	\$4,182,211	DEP RANKING:	4 of 23
									PV RATING:	63
will aga	l allow PR ain on 4/3	MA to eliminate a /2024, 4/4/2024 a	an existing sar and 4/5/2024.	nitary sewer over Additionally, the	rflow (SSO chlorinatio) to the Juniata n and dechlorir	river. This SSO handler. This symptom	as most recently discrete as the Port Re	&A is to complete speci charged on 3/23/2024 & byal Bergstresser waste pling method is not acc	3/24/2024 and water treatment

PROJ DESC:

This project includes upgrades at the 1st Street pump station and the Bergstresser WWTP. Upgrades at the pump station include replacing the existing manual trash rack with a new automatic fine screen to remove discrete solids, constructing a new 50,000 gallon wet well to provide flow equalization, installing three (3) new pumps with total capacity of 1 million gallons per day (MGD) with one pump out of service, and installing a new emergency generator. Additionally, the existing 3rd Street pump station forcemain which currently discharges into the 1st Street pump station will be rerouted to the 1st Street pump station wet well. Upgrades at the WWTP includes updating the sequential batch reactor controls to current computer technology, installing a new UV disinfection system to replace the existing chlorination and dechlorination systems, installing a new effluent flow meter and a new 24-hour composite sampler. Additionally, the SBR decants will pass through an automatic pinch valve which will prevent discharges in excess of 1 MGD at an instantaneous rate from going to the UV disinfection system. Environmental benefits include elimination of a source of untreated wastewater discharge to the Juniata River and improving the water quality of discharge from the WWTP.

Green Project Reserve (GPR): No GPR Category: N/A GPR Funding: \$0.00

PADEP.

I - Secondary Treatment II - Treatment more Stringent than Secondary

IIIA - Infiltration/Inflow Correction

IIIB - Major Sewer System Rehabilitation V - Correction of Combined Sewer Overflows

APPLICANT INFORMATION				NEED	S CATEGORIES	PROJECT INFORMATION		
ugh- Radio Road ments Phase 2	COUNTY:	Lancaster	l:	\$0	IVA:	\$0	PROJECT NO.:	CS423415-01
Street	REGION:	SC	II:	\$0	IVB:	\$0	PROJ. TYPE:	SSREH
17022	NPDES #:	PA0023108	IIIA:	\$1,770,000	V:	\$0	DEP RATING:	44
	LOAN #:	75407	IIIB:	\$7,080,000	ELIG. COST:	\$8,850,000	DEP RANKING:	5 of 23
							PV RATING:	59
'n	nents Phase 2 Street	nents Phase 2 Street REGION: 7022 NPDES #:	nents Phase 2 Street REGION: SC 7022 NPDES #: PA0023108	Nents Phase 2 Street REGION: SC II: 100	Nents Phase 2 REGION: SC II: \$0 7022 NPDES #: PA0023108 IIIA: \$1,770,000	Nents Phase 2 REGION: SC II: \$0 IVB: 7022 NPDES #: PA0023108 IIIA: \$1,770,000 V:	Nents Phase 2 REGION: SC II: \$0 IVB: \$0 7022 NPDES #: PA0023108 IIIA: \$1,770,000 V: \$0	Nents Phase 2 REGION: SC II: \$0 IVB: \$0 PROJ. TYPE: 7022 NPDES #: PA0023108 IIIA: \$1,770,000 V: \$0 DEP RATING: LOAN #: 75407 IIIB: \$7,080,000 ELIG. COST: \$8,850,000 DEP RANKING:

PROJ DESC:

The Radio Road Interceptor Improvements Phase 2 project is in the Borough of Elizabethtown, Lancaster County. This project proposes to reduce inflow and infiltration (I/I) in the system to abate sewer back-ups and overflows and provide adequate hydraulic capacity for existing customers and for potential growth in the service areas. The project includes upgrading the interceptor between manholes G1 and L39 from 15-inch diameter pipe to 18-inch diameter pipe; upgrading the interceptor between manholes L37 and J30 from 18-inch diameter pipe to 21-inch diameter pipe; replacing the existing 21-inch diameter pipe between manholes J30 and C44; realigning various sanitary sewer main segments to improve sewer flow; rerouting the sewer line from manhole N1 to L37 to redirect flow and eliminate the existing inverted siphon. Environmental benefits include minimizing the potential discharge of untreated or inadequately treated sewage to the borough's waterways.

Green Project Reserve (GPR): Yes GPR Category: Energy Efficiency GPR Funding: \$1,770,000.00

I - Secondary Treatment II - Treatment more Stringent than Secondary IIIA - Infiltration/Inflow Correction IIIB - Major Sewer System Rehabilitation V - Correction of Combined Sewer Overflows

IVA - New Collector Sewers and Appurtenances

	APPLICANT INFORMA	TION	NEEDS CATEGORIES					PROJECT INFORMATION		
General Authorit A-108 CSO Elim	y of the City of Franklin - MH- ination Phase 1	COUNTY:	Venango	l:	\$0	IVA:	\$0	PROJECT NO.:	CS423374-01	
430 13th Street		REGION:	NW	II:	\$0	IVB:	\$0	PROJ. TYPE:	SSREH, I/I, CSO	
Franklin, PA 163	323	NPDES #:	PA0026174	IIIA:	\$7,000,000	V:	\$7,000,000	DEP RATING:	42	
		LOAN #:	71486	IIIB:	\$8,000,000	ELIG. COST:	\$22,000,000	DEP RANKING:	6 of 23	
								PV RATING:	57	
	sewer overflow under the Aut (CAP). The existing system of manholes.									
PROJ DESC:	This project is Phase 1 of the system in the City of Franklin includes constructing PVC gr the existing sewer in order to untreated sewage to the City'	. Of the total, or avity sewer, coallow the exis	open cut replacer oncrete manhole	ment is app s, laterals,	oroximately 34, and appurtena	000 LF and fold a nces. Where poss	nd form PVC trenchl sible/beneficial, new	ess rehabilitation is 31,0 sanitary sewer will be ins	00 LF. The project stalled parallel to	
Green Project Res	serve (GPR): Yes			GPR Cat	tegory: Energ	y Efficiency		GPR Funding:	\$14,000,000.00	

I - Secondary Treatment II - Treatment more Stringent than Secondary IVA - New Collector Sewers and Appurtenances IVB - New Interc

IIIA - Infiltration/Inflow Correction

IIIB - Major Sewer System Rehabilitation
V - Correction of Combined Sewer Overflows

	APPLICANT INFORM	IATION			NEE	OS CATEGORIES	PROJECT INFORMATION		
	ority of the Borough of ver System Improvements	COUNTY:	Somerset	l:	\$0	IVA:	\$0	PROJECT NO.:	CS423410-01
347 West Union	Street	REGION:	SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	SSREH, I/I
Somerset, PA 1	15501	NPDES #:	PA0021768	IIIA:	\$18,700,000	V:	\$0	DEP RATING:	42
		LOAN #:	71501	IIIB:	\$0	ELIG. COST:	\$18,700,000	DEP RANKING:	7 of 23
								PV RATING:	57
PROB DESC:	The sanitary sewer system infiltration and inflow (I/I). To		•		•		0 ,	· ·	
PROJ DESC:	The Municipal Authority of t sewers made of vitrified cla stages - Phase 1A (Brierwo involves replacing/rehabilita Environmental benefits inclutilized to treat the additional	y pipe and requined and West Solating approximate ude minimizing t	ring tributary syst merset), 1B (Cer ely 41,650 linear he potential discl	tem comp ntral and I feet (LF)	liance to addre North Somerset of sanitary sew	ss infiltration and i), and 1C (East So er of varying sizes	inflow. This phase co omerset). This projec and replacing 11,35	nsists of three separate t will focus on completin 0 LF of storm sewer of v	construction g phase 1A and it arying sizes.
Green Project Re	eserve (GPR): Yes			GPR Ca	ategory: Energ	gy Efficiency		GPR Funding:	\$18,700,000.00

I - Secondary Treatment II - Treatment IVA - New Collector Sewers and Appurtenances II - Treatment more Stringent than Secondary IIIA - Infiltration/Inflow Correction

IIIB - Major Sewer System Rehabilitation V - Correction of Combined Sewer Overflows

APPLICANT INFORMATION				NEED	S CATEGORIES	PROJECT INFORMATION		
Donegal Township (Westmoreland) - Sanitary Sewer Project	COUNTY:	Westmoreland	l:	\$9,133,321	IVA:	\$1,728,043	PROJECT NO.:	CS423393-01
137 Hoffers Lane	REGION:	SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	STP, SS
Jones Mills, PA 15646	NPDES #:	PA0285285	IIIA:	\$0	V:	\$0	DEP RATING:	42
	LOAN #:	71496	IIIB:	\$0	ELIG. COST:	\$10,861,364	DEP RANKING:	8 of 23
							PV RATING:	47

PROB DESC: The PADEP required, by Consent Order and Agreement, that Donegal Township construct a sanitary sewer collection and treatment system to serve the area

extending from the Pennsylvania Turnpike Donegal Interchange to Laurel Highlands Campland located along Route 31 in Donegal Township, Westmoreland County. The existing sewage plant that serves Laurel Highlands Campland, which is a campground and manufactured housing community, consistently violates NPDES

discharge limits. These violations prompted DEP to issue the Consent Order.

PROJ DESC:

In compliance with a PADEP Consent Order and Agreement, the Donegal Township Board of Supervisors is proposing to improve sanitary sewer collection and treatment in the Donegal Township area. This project will replace the failing Campland wastewater treatment facility and will collect and treat wastewater from several other independent NPDES permit holders in the service area. The project includes constructing approximately 6,200 linear feet (LF) of sanitary sewer collection pipes and thirty-seven (37) 4-foot diameter manholes; upsizing the water supply with 3,200 LF of 6-inch water line; creating a 1,900 LF gravel access road and installing associated appurtenances. The project also includes constructing a new 0.11-million gallon per day wastewater treatment facility. The wastewater treatment facility will include headworks with influent solids grinder, fine screening, influent sampling, metering, chemical addition, two sequencing batch reactor (SBR) tanks, approximately 63,000 gallons each, one in-line post-treatment equalization tank, approximately 36,800 gallons, one ultraviolet disinfection system, one aerobic sludge digestor, approximately 63,000 gallons, one sludge belt filter press, laboratory facilities and control facilities, generators, parking lot, and other ancillary equipment. Environmental benefits include eliminating the potential discharge of inadequately treated or untreated sewage to the township's waterways.

Green Project Reserve (GPR): No GPR Category: N/A GPR Funding: \$0.00

I - Secondary Treatment II - Treatment more Stringent than Secondary IIIA - Infiltration/Inflow Correction IIIB - Major Sewer System Rehabilitation V - Correction of Combined Sewer Overflows

	APPLICANT INFOR	MATION		NEEDS CATEGORIES				PROJECT INFORMATION	
Altoona Water A	Authority - CSO Facility	COUNTY:	Blair	l:	\$0	IVA:	\$0	PROJECT NO.:	CS423414-01
900 Chestnut A	venue	REGION:	SC	II:	\$0	IVB:	\$0	PROJ. TYPE:	SSREH, CSO
Altoona, PA 16	601	NPDES #:	PA0027022 PA	IIIA:	\$0	V:	\$6,750,000	DEP RATING:	41
		LOAN #:	75406	IIIB:	\$0	ELIG. COST:	\$6,750,000	DEP RANKING:	9 of 23
								PV RATING:	56
PROB DESC:	The Easterly combined se Dysart Avenue discharges screens, a 1.6 million gallo 1991, has a 1.3 million gal repair parts are not availab	to the Beaverdan on storage tank, a lon storage tank	m Branch of the Lit and four (4) pumps and four (4) pumps	tle Juniata R for emptying . The existin	tiver. Construction the storage growing growing storage growing and the storage growing and the storage growing storage growing growin	ructed in 1991, the e tank back into th t the facilities are	e Easterly facility cor e collection system. now more than 30 y	sists of four (4) mechar The Westerly facility, al ears old and are failing.	nically cleaned bar so constructed in In most cases,
PROJ DESC:	The Altoona Water Author modern screen design. Th angle and 9-inch head lost that will be updated including waterways.	e four (4) existing s at max flow. The	bar screens at ea e proposed screen:	ch of the CS s will be insta	O facilities alled in the	will be replaced wi existing channels	ith screens having 3, with minimal modific	4-inch bar opening, 84- ation. Other aspects of	degree screen the control facility

Green Project Reserve (GPR): No GPR Category: N/A GPR Funding: \$0.00

I - Secondary Treatment II - Treatment more Stringent than Secondary IIIA - Infiltration/Inflow Correction

IIIB - Major Sewer System Rehabilitation V - Correction of Combined Sewer Overflows

IVB - New Interceptors and Appurtenances IVA - New Collector Sewers and Appurtenances

APPLICANT INFORMATION				NEED	S CATEGORIES	PROJECT INFORMATION		
Lower Burrell MA - Chartiers Pump Station	COUNTY:	Westmoreland	l:	\$0	IVA:	\$0	PROJECT NO.:	CS423333-01
2800 Bethel Street	REGION:	SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	PSMOD
Lower Burrell, PA 15068	NPDES #:	PA0027111	IIIA:	\$0	V:	\$9,550,000	DEP RATING:	39
	LOAN #:	71491	IIIB:	\$0	ELIG. COST:	\$9,550,000	DEP RANKING:	10 of 23
							PV RATING:	54

PROB DESC:

The Lower Burrell Municipal Authority (LBMA) operates the sanitary sewer system that serves residents within the boundaries of the City of Lower Burrell. In 2009, LBMA along with the City of Lower Burrell, Municipal Sanitary Authority of New Kensington, City of New Kensington, City of Arnold, Borough of Plum and the Plum Borough Municipal Authority entered into an administrative order of consent to develop a long term control plan (LTCP) for their sewer system. The LTCP proposed maximizing flow at the Municipal Sanitary Authority of New Kensington regional wastewater treatment plant, addressing excessive infiltration and inflow (I/I), improving the collection system by consolidating combined sewer overflow (CSO) structures, implementing green infrastructure and upgrading trunk, interceptor lines and pumping stations. The LTCP was approved by the EPA and the PADEP on December 2, 2016. Pump stations including Chartiers, Widemer, Indian, and Hillcrest, along with their associated force mains are deteriorated due to corrosion. They are experiencing frequent mechanical failures and are at the end of their useful lives. The age of the existing equipment makes it difficult to procure replacement parts.

PROJ DESC:

The proposed project includes replacing Chartiers pump station in its entirety with a new closed-roof pump station. In addition, the scope includes constructing a one-million-gallon above-ground wastewater equalization tank with blowers and rehabilitating the associated force main. The equalization tank will be located at the pump station site. It will serve as a buffer for storm events and will also provide emergency wastewater storage capacity during high flow events. The blowers will be installed to prevent septic conditions. The project also proposes decommissioning and demolishing the Hillcrest, Indiana and Widmer pump stations and redirecting flows to the Chartiers pump station. Final decommissioning of these pump stations will occur after work at the upgraded Chartiers pump station is complete. Environmental benefits include eliminating the potential discharge of inadequately treated sewage to the authority's waterways.

Green Project Reserve (GPR): No GPR Category: N/A GPR Funding: \$0.00

- Secondary Treatment II - Treatment more Stringent than Secondary IIIA - Infiltration/Inflow Correction IIIB - Major Sewer System Rehabilitation

I - Secondary Treatment II - Treatment IVA - New Collector Sewers and Appurtenances

II - Treatment more Stringent than Secondary IIIA - Infiltration/In

APPLICAN	APPLICANT INFORMATION				S CATEGORIES	PROJECT INFORMATION		
Scalp Level Borough ~ Sanitary Sev Storm Sewer Rehab/Separation Pro		Cambria	l:	\$0	IVA:	\$0	PROJECT NO.:	CS423409-01
422 Main Street	REGION:	SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	SSREH, I/I
Windber, PA 15963	NPDES #:	PA0026778	IIIA:	\$8,510,000	V:	\$0	DEP RATING:	34
	LOAN #:	28002	IIIB:	\$0	ELIG. COST:	\$8,510,000	DEP RANKING:	11 of 23
							PV RATING:	49
(WAA) intercepto Borough is 106 g	ugh's collection and conver sewers during wet weath allons-per-minute (gpm). One s and 1,850 gpm flow fror	ér, resulting in p On February 3, 2	eriodic san 022, WAA	itary sewer ove documented ap	erflows at the Ingle oproximately 50 gp	side sewage treatment of the s	ent plant. The expected on of Scalp Level Boroug	peak flow from the gh during dry

PROJ DESC:

(I/I).

Scalp Level Borough proposes to construct a new gravity sewer mainline parallel to the existing sanitary sewer system. The existing sanitary system will be left in place for use as stormwater infrastructure. The project consists of installing approximately 8,236 linear feet (LF) of new gravity sanitary sewer collection mainline of varying sizes and associated infrastructure to replace the aging sanitary sewer system in the Mine 40 area. The project also includes constructing approximately 1,876 LF of new storm sewers and associated infrastructure. Environmental benefits include minimizing overload at the receiving treatment plant, the potential discharge of untreated or inadequately treated sewage to the borough's waterways, and minimizing the energy utilized to treat the additional flows due to I/I.

access for monitoring and maintenance. Findings show that stormwater and sewer collection systems are combined in some areas with significant infiltration and inflow

Green Project Reserve (GPR): Yes GPR Category: Energy Efficiency GPR Funding: \$8,510,000.00

I - Secondary Treatment II - Treatment more Stringent than Secondary IIIA - Infiltration/Inflow Correction IVB - New Collector Sewers and Appurtenances IVB - New Interceptors and Appurtenances V - Correction of Combined Sewer Overflows

NEEDS CATEGORIES

IIIA - Infiltration/Inflow Correction

PROJECT INFORMATION

IIIB - Major Sewer System Rehabilitation

V - Correction of Combined Sewer Overflows

APPLICANT INFORMATION

II - Treatment more Stringent than Secondary

I - Secondary Treatment

IVA - New Collector Sewers and Appurtenances

	AFFLICANT INFORMATION				.,	3 CATEGORIES	PROJECT INFORMATION		
Towanda Munici Treatment Plant	pal Authority - Wastewater Improvements	COUNTY:	Bradford	l:	\$7,736,520	IVA:	\$0	PROJECT NO.:	CS423405-01
724 Main Street		REGION:	NC	II:	\$0	IVB:	\$0	PROJ. TYPE:	STPMOD
Towanda, PA 18	8848	NPDES #:	PA0034576	IIIA:	\$0	V:	\$0	DEP RATING:	18
		LOAN #:	71499	IIIB:	\$0	ELIG. COST:	\$7,736,520	DEP RANKING:	12 of 23
								PV RATING:	33
	deteriorate to the point when		•	· .	•			ng equipment has begun	to wear and
PROJ DESC:	. 0	e future replace new headworks ace various col umps. Additiona	building with two mponents associally, the project w	uired to ma o new fine ated with o vill rehabilit	aintain the func screening units operation of the tate the ultravio	tionality of the exist, a vortex grit collect autothermal therrollet disinfection sys	sting treatment plant. ector, and an end-su nophilic aerobic dige stem, demolish the e	ction, centrifugal grit pur estion system including a xisting headworks build	mp and grit air supply piping, all ing and conduct

	APPLICANT INFORMA	TION			NEE	OS CATEGORIES		PROJECT IN	IFORMATION
Rolling Hills & O	Board of Supervisors Frankstown Township - Rolling Hills & Oldtown Village Sanitary Sewer Replacement Project		Blair	l:	\$0	IVA:	\$0	PROJECT NO.:	CS423375-01
2122 Frankstow	n Road	REGION:	SC	II:	\$0	IVB:	\$0	PROJ. TYPE:	SSREH
Hollidaysburg, P	A 16648	NPDES #:	PA0043273	IIIA:	\$0	V:	\$0	DEP RATING:	16
		LOAN #:	75404	IIIB:	\$5,850,000	ELIG. COST:	\$5,850,000	DEP RANKING:	13 of 23
								PV RATING:	21
PROB DESC:	The collection and conveyand pipe. ABS pipes have been for prone to infiltration and nume. The project includes rehability with new 8-inch, 10-inch and installed generally within the treated sewage to the township the collection and conveyance.	ound to be less rous breaks do ating approxim 12-inch Poly V same proximity bip's waterways	s durable and ver ue to the brittle co ately 24,690 line inyl Chloride (PV as the existing)	y brittle co ondition of ar feet (LF /C) sanitar sanitary se	impared to cur the pipe. Addi) of existing Al y sewer pipe, i ewer line. Envir	rent PVC pipes. The tionally, the installed as truss sanitary something and all a conmental benefits	ne collection and con ed manholes are too ewer main by Cured- ssociated appurtena include eliminating ti	veyance system within to sarrow for a human to so in-Place (CIP) lining or noces. The new sanitary he potential discharge o	this area has been tafely use. total replacement sewer line will be finadequately
Green Project Res	serve (GPR): Yes			GPR Cat	egory: Energ	gy Efficiency		GPR Funding:	\$2,925,000.00

I - Secondary Treatment II - Treatment IVA - New Collector Sewers and Appurtenances II - Treatment more Stringent than Secondary IIIA - Infiltration/Inflow Correction

IIIB - Major Sewer System Rehabilitation V - Correction of Combined Sewer Overflows

APPLICANT INFORM	ATION			NEED	S CATEGORIES	PROJECT INFORMATION		
Meadville Area Sewer Authority - Collection System Upgrades and New Maintenance Facility	COUNTY:	Crawford	l:	\$1,000,000	IVA:	\$0	PROJECT NO.:	CS423400-01
984 Water Street	REGION:	NW	II:	\$0	IVB:	\$0	PROJ. TYPE:	STPMOD, PS, SS
Meadville, PA 16335	NPDES #:	PA0026271	IIIA:	\$0	V:	\$0	DEP RATING:	13
	LOAN #:	71500	IIIB:	\$11,720,000	ELIG. COST:	\$12,720,000	DEP RANKING:	14 of 23
							PV RATING:	28

PROB DESC:

The Race Street pump station has surpassed its useful life and has been under a Corrective Action Plan (CAP) from the PA DEP since 2008. The CAP was due to capacity issues causing overflow at some manholes. Despite mitigation efforts, the pump station continues to age and wear down. Additionally, it does not have enough room for capacity expansion. The Race Street gravity sewer has fractures and may be at risk of collapsing. Recent closed-circuit television inspections of this sewer showed multiple defects including sags, large offset joints, and fractures that impede the normal path of flow and create maintenance issues. MASA regularly jets the sewer to ensure flow and to prevent flow back up. The Gill Village 8-inch diameter force main has experienced breakage in the past. The North Street gravity sewer has cracks and is currently undersized for existing needs, resulting in a bottleneck in the collection system. The existing building used for maintenance was previously owned by a roofing company and is not adequate for maintenance activities. Some maintenance work including welding is currently being performed within the wastewater treatment plant.

PROJ DESC:

This Meadville Area Sewer Authority (MASA) is proposing to upgrade their collection system and construct a new maintenance facility. The project includes the following: (1) Race Street Pump Station & Force Main Replacement; this involves full replacement of the pump station and replacing approximately 1,900 linear feet (LF) of force main. (2) Race Street Gravity Sewer Replacement; this involves replacing approximately 800 LF of gravity sewer. (3) Gill Village Force Main Replacement; this involves replacing approximately 2,000 LF of 8-inch sanitary sewer force main with a new 8-inch fusible HDPE force main. (4) North Street Gravity Sewer Replacement; this involves replacing approximately 2,800 LF of gravity sewer. (5) Meadville Area Sewer Authority Maintenance Garage; this involves constructing an approximately 3,300 square feet building and demolishing the existing maintenance building at 1334 Park Ave. Environmental benefits include eliminating the potential discharge of untreated sewage to the Authority's waterways.

Green Project Reserve (GPR): No GPR Category: N/A GPR Funding: \$0.00

I - Secondary Treatment II - Treatment more Stringent than Secondary IIIA - Infiltration/Inflow Correction IVB - New Collector Sewers and Appurtenances IVB - New Interceptors and Appurtenances V - Correction of Combined Sewer Overflows

	APPLICANT INFORM	IATION			NEED	S CATEGORIES		PROJECT IN	IFORMATION
Borough of Jacks Treatment Plant (Resubmission)	son Center - Wastewater Replacement	COUNTY:	Mercer	l:	\$9,482,675	IVA:	\$0	PROJECT NO.:	CS423403-01
1229 Franklin Ro	ad	REGION:	NW	II:	\$0	IVB:	\$0	PROJ. TYPE:	STPMOD
Jackson Center,	PA 16133	NPDES #:	PA0103331	IIIA:	\$0	V:	\$0	DEP RATING:	9
		LOAN #:	27998	IIIB:	\$0	ELIG. COST:	\$9,482,675	DEP RANKING:	15 of 23
								PV RATING:	24

PROJ DESC:

The upgrade project includes: Installing a concrete headworks wet well with a comminutor/perforated screen, installing a concrete influent pumping wet well with two submersible pumps and an influent valve/metering vault, constructing two sequential batch reactor (SBR) treatment tanks, installing three SBR tank blowers, installing two submersible mixing pumps and two submersible waste activated sludge pumps, and constructing a 700 square foot treatment building to house electrical equipment, serve as an office space, and serve as chemical feed area. The project also includes constructing an effluent pipe gallery building, installing two parallel UV units, constructing a pavilion style shelter atop the UV units, installing an effluent aeration tank with a regenerative blower, constructing two aerobic digesters and installing three digester blowers and installing a new emergency generator sized to handle all process equipment in the event of a power outage. Upon completion and successful startup of the new process units, the existing units will be decommissioned and demolished. Environmental benefits include eliminating the discharge of inadequately treated sewage to the borough's waterways.

Green Project Reserve (GPR): No GPR Category: N/A GPR Funding: \$0.00

phosphorus if nutrient discharge limits are imposed in a future NPDES permit renewal.

IVA - New Collector Sewers and Appurtenances

IVB - New Interceptors and Appurtenances

V - Correction of Combined Sewer Overflows

I - Secondary Treatment II - Treatment more Stringent than Secondary IIIA - Infiltration/Inflow Correction IIIB - Major Sewer System Rehabilitation

	APPLICANT INFORMATION				NEED	S CATEGORIES	PROJECT INFORMATION		
	ge Treatment Plant		COUNTY: Westmoreland I		\$0	IVA:	\$0	PROJECT NO.:	CS423382-01
3001 Meadowbr	ook Road	REGION:	SW	II:	\$7,605,400	IVB:	\$0	PROJ. TYPE:	STPMOD
Murrysville, PA	15668	NPDES #:	PA0025674	IIIA:	\$0	V:	\$0	DEP RATING:	9
		LOAN #:	71492	IIIB:	\$0	ELIG. COST:	\$7,605,400	DEP RANKING:	16 of 23
								PV RATING:	24
PROB DESC:	The Meadowbrook Sewag project. The media, locate replacement, while the nit	ed in the nitrification	on towers has never re due for structura	er been re al rehabil	eplaced since tl itation. The var	ne original installat iable frequency dr	tion. The media is at ive, pump, actuator	the end its useful life and piping at the treatment	nd is due ent plant are ageing
PROB DESC:	project. The media, locate	ed in the nitrification rification towers a dditionally, the doo cy. The sidewalks	on towers has never re due for structura ors, windows and le	er been re al rehabil ouvres w	eplaced since tl itation. The var vere installed wi	ne original installat iable frequency dr th the STP constru	tion. The media is at ive, pump, actuator uction in 1968. They	the end its useful life and piping at the treatment are rusted and require	nd is due ent plant are ageing replacement for
PROB DESC:	project. The media, locate replacement, while the nit and need replacement. A safety and energy efficien	d in the nitrification in the nitrification towers and ditionally, the doctory. The sidewalks ersonnel. pal Sanitary Author on towers, replaci	on towers has never re due for structura ors, windows and lost have also deterior prity proposes to re- ing the variable free	er been real rehabil pouvres wated over the below the be	eplaced since the itation. The var vere installed with the years due their STP. The trive, pump, act	ne original installat iable frequency dri th the STP constru- e to settlement and e project includes uator and piping a	tion. The media is at ive, pump, actuator uction in 1968. They I spalling that has co replacing the media t the STP, replacing	the end its useful life and piping at the treatmere rusted and require reated trip hazards and sin the nitrification tower the doors, windows and	nd is due ent plant are ageing replacement for safety concerns for s, structurally

IVB - New Interceptors and Appurtenances

IIIA - Infiltration/Inflow Correction

II - Treatment more Stringent than Secondary

I - Secondary Treatment

IVA - New Collector Sewers and Appurtenances

IIIB - Major Sewer System Rehabilitation V - Correction of Combined Sewer Overflows

MATION			NEED	S CATEGORIES	PROJECT INFORMATION		
COUNTY:	Washington	l:	\$0	IVA:	\$0	PROJECT NO.:	CS423394-01
REGION:	SW	II:	\$0	IVB:	\$5,170,000	PROJ. TYPE:	PS
NPDES #:	PA0024686	IIIA:	\$0	V:	\$0	DEP RATING:	9
LOAN #:	71497	IIIB:	\$0	ELIG. COST:	\$5,170,000	_	
	REGION: NPDES #:	COUNTY: Washington REGION: SW NPDES #: PA0024686 LOAN #: 71497	COUNTY: Washington I: REGION: SW II: NPDES #: PA0024686 IIIA:	COUNTY: Washington I: \$0 REGION: SW II: \$0 NPDES #: PA0024686 IIIA: \$0	COUNTY: Washington I: \$0 IVA: REGION: SW II: \$0 IVB: NPDES #: PA0024686 IIIA: \$0 V:	COUNTY: Washington I: \$0 IVA: \$0 REGION: SW II: \$0 IVB: \$5,170,000 NPDES #: PA0024686 IIIA: \$0 V: \$0	COUNTY: Washington I: \$0 IVA: \$0 PROJECT NO.: REGION: SW II: \$0 IVB: \$5,170,000 PROJ. TYPE: NPDES #: PA0024686 IIIA: \$0 V: \$0 DEP RATING:

PROB DESC:

MMVWPCA currently operates under a Corrective Action Plan with the PADEP to reduce inflow and infiltration into the Authority's sanitary sewer system and to eliminate sanitary sewer overflows to the waters of the Commonwealth. The Authority's sewer system was constructed in the 1970s and has many components that are nearing the end of their useful life. Many of the mechanical components, including pump station numbers 2, 3 and 4, are experiencing repeated breakdowns leading to pump station flooding and sanitary sewer overflows. Temporary repairs have been made over recent years until funding becomes available to rehabilitate or replace the components.

PROJ DESC:

The scope of this project is to upgrade three pump stations operated by the Mid Mon Valley Water Pollution Control Authority (MMVWPCA). The three pump stations to be upgraded are pump station numbers 2, 3, and 4. Each existing pump station is comprised of a wet well, below grade dry pit and an above grade control and generator building constructed above the wet well and dry pit. The upgrade at pump station numbers 2 and 4 includes utilizing the existing wet well, removing the equipment at the dry-pit station and filling the pit with stone, and demolishing the existing control building. New construction includes a concrete structure on piles above the existing wet well, a valve room, a control room, and a generator installation. Pumps station numbers 2 and 4 will be upgraded with two new 360 gallons-perminute (gpm) variable speed submersible pumps and two new 800 gpm variable speed submersible pumps respectively, including meters and valves. The upgrade at pump station number 3 includes demolishing the existing wet well and below grade dry pit station as necessary for new construction. New construction includes a wet well, a valve room, a control room, and a generator installation. Pump station number 3 will be furnished with two new 525 gpm variable speed submersible pumps, meter, and valves. Environmental benefits include eliminating the discharge of untreated sewage to the authority's waterways.

Green Project Reserve (GPR): No GPR Category: N/A GPR Funding: \$0.00

I - Secondary Treatment II - Treatment more Stringent than Secondary IIIA - Infiltration/Inflow Correction IIIB - Major Sewer System Rehabilitation IVA - New Collector Sewers and Appurtenances V - Correction of Combined Sewer Overflows

Drotton Turn 14/2	APPLICANT INFORMATION					S CATEGORIES	PROJECT INFORMATION		
& Pump Station U	astewater Treatment Plant Jpgrade	COUNTY:	Mifflin	l:	\$5,453,005	IVA:	\$0	PROJECT NO.:	CS423383-01
133 Mountain Lar		REGION:	SC	II:	\$0	IVB:	\$0	PROJ. TYPE:	STPMOD, PS
McVeytown, PA	lcVeytown, PA 17051		PA0088617	IIIA:	\$0	V:	\$0	DEP RATING:	9
		LOAN #:	71495	IIIB:	\$962,295	ELIG. COST:	\$6,415,300	DEP RANKING:	18 of 23
								PV RATING:	14
	of malfunction that has caus	ed the pumps r	ot to activate whi	ich could c	ause sewer ba	ckups.			
PROB DESC: The existing metal treatment ultraviolet system is also shot the existing equipment and sof malfunction that has caused a project includes installing drives, where two (2) blowers.		ig new, pre-cas	t concrete extend	ded aeratio	on wastewater t	reatment tanks, in		aeration blowers with va	
	the existing ultra-violet disinf concrete tanks, the old meta	nfluent metering ection system o	g, influent samplii equipment. Additi	ng, automa onally, the	ated mechanica Kauffman and	al fine screening, s Mattawana pump	creening bypass characteristics stations will be replaced	viclimate-controlled head annel, and associated co aced. After the installation	dworks building to ontrols, and replace on of the new

I - Secondary Treatment II - Treatment IVA - New Collector Sewers and Appurtenances

II - Treatment more Stringent than Secondary IIIA - Infiltration/Inflow Correction purtenances IVB - New Interceptors and Appurtenances

IIIB - Major Sewer System Rehabilitation
V - Correction of Combined Sewer Overflows

	APPLICANT INFORMATION				NEED	S CATEGORIES	PROJECT INFORMATION		
Gregg Township Dechlorination P	o Municipal Authority - Project	COUNTY:	Union	l:	\$0	IVA:	\$0	PROJECT NO.:	CS423411-01
16436 U.S. Rou	te 15	REGION:	NC	II:	\$1,250,000	IVB:	\$0	PROJ. TYPE:	STPMOD
Allenwood, PA	17810	NPDES #:	PA0114821	IIIA:	\$0	V:	\$0	DEP RATING:	9
		LOAN #:	75405	IIIB:	\$0	ELIG. COST:	\$1,250,000	DEP RANKING:	19 of 23
								PV RATING:	14
PROB DESC:	Gregg Township Municipa GTMA's wastewater treat coliform limits. Testing ind leading to poor disinfection	ment plant began dicated that high c	treating leachate hemical oxygen of	from the I demand co	Lycoming Coun oncentrations from	ty Resource Mana om the landfill lead	gement Service lan chate were passing t	dfill. Resulting in exceed hrough the plant and co	lances in fecal nsuming chlorine,
PROB DESC:	GTMA's wastewater treat	ment plant began dicated that high c on. As a remedy, th	treating leachate hemical oxygen one PADEP appro	from the I demand co ved an ove	Lycoming Coun oncentrations fro er-chlorination a	ty Resource Mana om the landfill lead and de-chlorination	ngement Service lan chate were passing t n pilot system in Aug	dfill. Resulting in exceed hrough the plant and co	lances in fecal nsuming chlorine,
PROB DESC:	GTMA's wastewater treat coliform limits. Testing incleading to poor disinfection	ment plant began dicated that high con. As a remedy, the PADEP pestructing a new bustorage capacity, in	treating leachate hemical oxygen one PADEP apprormitted GTMA to illding to store an stalled with second	from the I demand coved an ove make the d feed soon dary cont	Lycoming Coun oncentrations from er-chlorination a disinfection pilo dium hypochlorit tainment, chem	ty Resource Mana om the landfill lead and de-chlorination ot system permane te and sodium bisu ical feed pump sys	gement Service lan chate were passing to pilot system in Aug ent. ulfite into the system stems, and electrical	dfill. Resulting in exceed hrough the plant and co just 2022, which began of the building includes the and control systems. It	ances in fecal nsuming chlorine, operation in April wo approximately will also have an

IVB - New Interceptors and Appurtenances

IIIA - Infiltration/Inflow Correction

IIIB - Major Sewer System Rehabilitation V - Correction of Combined Sewer Overflows

I - Secondary Treatment II - Treatment IVA - New Collector Sewers and Appurtenances

II - Treatment more Stringent than Secondary

NEEDS CATEGORIES

IIIA - Infiltration/Inflow Correction

PROJECT INFORMATION

IIIB - Major Sewer System Rehabilitation

V - Correction of Combined Sewer Overflows

APPLICANT INFORMATION

I - Secondary Treatment

IVA - New Collector Sewers and Appurtenances

	er and Sewer Authority - ation Replacement	COUNTY:	Butler	l:	\$0	IVA:	\$2,010,000	PROJECT NO.:	CS423408-01
216 Wahl Avenu	ie .	REGION:	NW	II:	\$0	IVB:	\$0	PROJ. TYPE:	PS, SS
Evans City, PA	16033	NPDES #:	PA0090140	IIIA:	\$0	V:	\$0	DEP RATING:	7
		LOAN #:	28001	IIIB:	\$0	ELIG. COST:	\$2,010,000	DEP RANKING:	20 of 23
								PV RATING:	22
PROB DESC:	The current location of the flood, making the Pump St has an output of only 93 ga	ation inaccessibl allons per minute	e. Additionally, th (GPM) whereas	e existing pum its original desi	p station w ign capacit	as built in 1988 ar y was 180 GPM.	nd is nearing the end	d of its useful life. The C	allery pump stati
	flood, making the Pump St has an output of only 93 gas. This project includes relocation to the project includes relocation panels, and general linear feet of new 10-inch gas.	ation inaccessible allons per minute ating the Callery lator) at the new logavity sewer will	e. Additionally, the (GPM) whereas pump station to a position to ensure be installed to re	e existing pum its original desi in area approxi the pump statio route flows to tl	p station wign capacit mately 600 on is outpu he new loo	as built in 1988 ar y was 180 GPM. feet from the curr tting its original de ation. Two new m	nd is nearing the end rent location and ins esign flow. To reloca anholes will also be	d of its useful life. The C talling new equipment (i te the pump station, app installed. Finally, a new	allery pump stati ncluding pumps, proximately 500 force main will b
PROB DESC:	flood, making the Pump St has an output of only 93 ga This project includes reloca control panels, and genera	ation inaccessible allons per minute ating the Callery ator) at the new logarity sewer will a new pump stati	e. Additionally, the (GPM) whereas pump station to a cation to ensure be installed to recon location to the	e existing pum its original desi in area approxi the pump static route flows to the existing force	p station wign capacit mately 600 on is outputhe new loom main. Env	as built in 1988 ar y was 180 GPM. feet from the curiting its original de ation. Two new m ronmental benefit	nd is nearing the end rent location and ins esign flow. To reloca anholes will also be	d of its useful life. The C talling new equipment (i te the pump station, app installed. Finally, a new	allery pump stati ncluding pumps, proximately 500 force main will b

than Secondary IIIA - Infiltration/Infl IVB - New Interceptors and Appurtenances

II - Treatment more Stringent than Secondary

	APPLICANT INFORM	ATION			NEED	S CATEGORIES		PROJECT II	NFORMATION
Authority - Capit of Cranberry - B	nip Municipal Sanitary al Contribution to Township rush Creek Water Pollution Solids Processing and rades	COUNTY:	Allegheny	l:	\$6,380,565	IVA:	\$0	PROJECT NO.:	CS423386-01
525 Pleasant Hil	ll Road	REGION:	SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	STPMOD
Warrendale, PA	15086	NPDES #:	PA0024571	IIIA:	\$0	V:	\$0	DEP RATING:	7
		LOAN #:	71490	IIIB:	\$0	ELIG. COST:	\$6,380,565	DEP RANKING:	21 of 23
								PV RATING:	22
PROB DESC:	The current autothermal there are neither efficient nor capa not only providing adequate	ıble of managir	g future treatmer	nt flows. C	ranberry Towns	ship has invested s	significant resources	studying the most cost-	
PROJ DESC:	The Marshall Township Mun Brush Creek water pollution Solids Processing and Dewa Creek wastewater treatment portions of the plant will be r	control facility fatering Upgrade facility will be i	or treatment. This es project that was eplaced with an a	s is a capi s approve anaerobic	tal contribution d at the July 17 solids handling	to the Township o , 2024 PENNVES system. During th	f Cranberry - Brush (T Board meeting. The replacement of the	Creek Water Pollution C re existing ATAD systen re solids handling proces	Control Facility on at the Brush as other ancillary

Green Project Reserve (GPR): No GPR Category: N/A GPR Funding: \$0.00

and waste gas flare, installing additional waste sludge holding facilities, demolishing the existing ATAD system, installing a new post digestion sludge storage tank, constructing a new solids processing building with two (2) centrifuges and appurtenances, and demolishing two (2) existing belt filter presses and appurtenances. The project also includes other ancillary improvements to the influent pump station and primary clarifiers as well as grit handling, existing waste sludge holding, and odor

I - Secondary Treatment II - Treatment more Stringent than Secondary

IIIA - Infiltration/Inflow Correction

IIIB - Major Sewer System Rehabilitation V - Correction of Combined Sewer Overflows

control systems. Environmental benefits include eliminating the potential discharge of inadequately treated sewage to the township's waterways.

APPLICANT INFORMATION				NEED	S CATEGORIES		PROJECT INFORMATION		
Township of Cranberry - Brush Creek Water Pollution Control Facility Solids Processing and Dewatering Upgrades		COUNTY:	Butler	I: \$35,9	60,000	IVA:	\$0	PROJECT NO.:	CS423372-01
2525 Rochester	Road, Suite 400	REGION:	NW	II:	\$0	IVB:	\$0	PROJ. TYPE:	STPMOD, EC
Cranberry Towns	ship, PA 16066	NPDES #:	PA0024571	IIIA:	\$0	V:	\$0	DEP RATING:	7
		LOAN #:	71485	IIIB:	\$0	ELIG. COST:	\$35,960,000	DEP RANKING:	22 of 23
								PV RATING:	22
	are neither efficient nor capa not only providing adequate								
						· ·	on and regulatory	requirements.	
PROJ DESC:	The existing ATAD system a constructing two (2) new and ATAD, installing a new post two (2) existing belt filter pre as grit handling, existing was sewage to the township's ware	erobic digester digestion sludg sses and appurate sludge hold	s with control bu e storage tank, c tenances. The p	ilding and waste onstructing a ne roject also includ	gas flare w solids p des other	replaced with an a s, installing addition processing buildin ancillary improver	naerobic solids hand nal waste sludge hole g with two (2) centrift ments to the influent	ling system. The projec ding facilities, demolishi uges and appurtenance pump station and prima	ing the existing s, and demolishing ry clarifiers as well

I - Secondary Treatment II - Treatment more Stringent than Secondary IIIA - Infiltration/Inflow Correction IVA - New Collector Sewers and Appurtenances IVB - New Interceptors and Appurtenances

IIIB - Major Sewer System Rehabilitation V - Correction of Combined Sewer Overflows

APPLICANT INFORI	MATION			NEED	S CATEGORIES	PROJECT INFORMATION		
Windber Area Authority - Ingleside STP Improvements	COUNTY:	Somerset	I: \$	14,576,600	IVA:	\$0	PROJECT NO.:	CS423373-01
1700 Stockholm Avenue	REGION:	SW	II:	\$0	IVB:	\$0	PROJ. TYPE:	STPMOD, EC
Windber, PA 15963	NPDES #:	PA0026778	IIIA:	\$0	V:	\$0	DEP RATING:	2
	LOAN #:	71488	IIIB:	\$0	ELIG. COST:	\$14,576,600	DEP RANKING: PV RATING:	

PROB DESC:

Windber Area Authority (WAA) owns and operates the Ingleside Sewage Treatment Plant (STP) located in Richland Township, Cambria County, PA. The STP currently utilizes two (2) aerobic digestion tanks and a 1.5-meter belt filter press. Sludge leaving the belt filter press ranges from 10 to 14 percent solids and does not meet the EPA biosolids classification of Class A or Class B. Therefore, the sludge must be disposed of at a landfill. The rapidly increasing cost to dispose of sludge via landfill has led WAA to the decision of pursuing the addition of an autothermal thermophilic aerobic digestion (ATAD) system for the STP, which is anticipated to achieve a total solids reduction of 40 percent or greater and process the sludge to achieve Class A designation. WAA could then give away the Class A Biosolids in lieu of disposal via landfill.

PROJ DESC:

The proposed project includes constructing a new ATAD system, including, but not limited to, two (2) reactor basins, a biofilter basin with scrubber, an equipment building with pumps, blowers, a drum thickener and other necessary appurtenances, associated piping (including proposed 4-inch and 6-inch ductile iron discharge lines), and site work necessary to integrate the new facilities into the existing STP. Also included is replacing the following existing equipment at the Ingleside Sequencing Batch Reactor (SBR) plant: two (2) sludge pumps, the decanter actuator and limit switches at four (4) SBR basins, the effluent water pumping system, fine bubble air diffuser membranes within the four (4) SBR basins and at two (2) sludge aerobic digester tanks, the belt filter press polymer feed system, and upgrades to the SBR plant main control panel. Additive alternate price proposals will be sought for replacement of diffuser holders, air piping and accessories in one of the SBR basins and in one of the aerobic digestors, replacement of the belt filter press, and replacement of the emergency power generator. Environmental benefits include minimizing disposal of biosolids to landfills and biosolids reuse.

Green Project Reserve (GPR): No GPR Category: N/A GPR Funding: \$0.00

I - Secondary Treatment II - Treatment more Stringent than Secondary IIIA - Infiltration/Inflow Correction IIIB - Major Sewer System Rehabilitation IVA - New Collector Sewers and Appurtenances IVB - New Interceptors and Appurtenances V - Correction of Combined Sewer Overflows