

2023 CWSRF Capitalization Grant Application - Base

AND

Bipartisan Infrastructure Law (BIL):

**2023 CWSRF Capitalization Grant Application – General Supplemental
2023 CWSRF Emerging Contaminants Grant Application**

4/3/2023

CLEAN WATER FUNDS CHART: 2023 GRANT APPLICATION - ALL FUNDS
 4/3/2023

	TOTAL	4% ADMIN	2% Tech Assistance	PROGRAM
FEDERAL BASE GRANT FUNDS	29,714,000	0		29,714,000
20% MATCHING STATE FUNDS	5,942,800	0		5,942,800
TOTAL	35,656,800	-		35,656,800
Min -10% Principal Forgiveness (Congressional) + 10% WRRDA				5,942,800
Max - 10% Principal Forgiveness (Congressional) + 30% WRRDA				11,885,600
Minimum Green				2,971,400
BIL TOTAL (Appropriation FFY 2022-2023)		4% ADMIN	2% Tech Assistance	PROGRAM
GENERAL SUPPLEMENTAL	82,566,000	-	-	82,566,000
BIL STATE MATCH REQUIREMENT	8,256,600	-	-	8,256,600
TOTAL	90,822,600	-	-	90,822,600
EMERGING CONTAMINANTS	8,423,000 *	-	-	8,423,000
TOTAL	99,245,600	-	-	99,245,600

BASE GRANT CHART 1: PROJECTED BINDING COMMITMENTS - FY 2023

4/3/2023

Equivalency Project	Categorical Green or Business Case Green	PROJECT NAME	Project Number	TOTAL ASSISTANCE \$ AMOUNT	Loan \$ Amount	Principal Forgiveness \$ Amount	Green \$ Amount	BINDING COMMITMENT	Board Meeting Date
								DATE (see note below)	
Non-Equivalency	Green Infrastructure	Lancaster County Conservation District - Amos Esh	72835	\$606,823	\$0	\$606,823	\$606,823	1/31/2023	7/20/2022
Non-Equivalency	Green Infrastructure	Bethlehem Township Municipal Authority - Phase 1 Pollution Reduction Plan Project	72838	\$2,490,000	\$2,490,000	\$0	\$2,490,000	6/13/2023	1/12/2023
Non-Equivalency	no	Borough of Steelton	71456	\$2,390,000	\$64,291	\$2,325,709	\$0	9/13/2023	7/20/2022
Non-Equivalency	Green Infrastructure	Somerset County Conservation District - Joe Walker	72841	\$936,681	\$0	\$936,681	\$936,681	NSY ³	4/19/2023
Equivalency	no	Lewis Township -WWTP	71460	\$3,789,508	\$1,991,068	\$2,593,094	\$0	6/22/2023	10/19/2022
Equivalency	no	Pittsburgh Water and Sewer Authority Catch Basin Pro-Fi ¹	71459	\$24,443,788	\$46,054,410	\$0	\$0	4/13/2023	10/19/2022

Onlot Program
PROGRAM ADMIN.

\$1,000,000
\$0

\$1,000,000

\$0

\$0

TOTALS \$35,656,800 \$51,599,769 \$6,462,307 \$4,033,504

PF Minimum Requirement
PF Maximum Requirement

\$5,942,800 \$2,971,400
\$11,885,600

NOTE: Effective 7/1/2005 Binding Commitment is defined as Settlement Date

Equivalency Total⁴ \$49,843,918

BASE GRANT CHART 2: FY 2023 PAYMENT SCHEDULE

PROJECTED INCREASES TO CWSRF ACH ACCT

4/3/2023

YEAR/FED. QTR	PAYMENT DATE	CWSRF AMOUNT	CWSRF CUM. AMOUNT
2023/1	10/1/2022	0	0
2023/2	1/1/2023	0	0
2023/3	4/1/2023	0	0
2023/4	7/1/2023	29,714,000	29,714,000
2024/1	9/1/2023	0	29,714,000
2024/2	1/1/2024	0	29,714,000
2024/3	4/1/2024	0	29,714,000
2024/4	7/1/2024	0	29,714,000
2025/1	9/1/2024	0	29,714,000
2025/2	1/1/2025	0	29,714,000
2025/3	4/1/2025	0	29,714,000
2025/4	7/1/2025	0	29,714,000

BIL GENERAL SUPPLEMENTAL CHART 1: PROJECTED BINDING COMMITMENTS - FY 2023

4/3/2023

Equivalency Project	Categorical Green or Business Case Green	PROJECT NAME	Project Number	TOTAL ASSISTANCE \$		Principal Forgiveness \$ Amount	Green \$ Amount	BINDING COMMITMENT DATE (see note below)	Board Meeting Date
				ASSISTANCE \$ AMOUNT	Loan \$ Amount				
Equivalency		Lancaster Area Sewer Authority Pro-Fi ⁺ (Construction Split)	71463	\$69,827,450	\$102,200,000	\$0	\$0	7/12/2023	1/12/2023
Equivalency		Ellwood City Borough Wampum Pump	71458	\$6,000,000	\$0	\$6,000,000	\$0	5/10/2023	10/19/2022
Equivalency		The Portage Area Sewer Authority-Ward 1&3 Sanitary Sewer (Construction Split)	71462	\$7,734,600.00	\$1,028,524	\$6,706,076	\$0	5/24/2023	1/12/2023
Equivalency		Central Wayne Regional Authority Crestment and Cherry Ridge (Construction Split)	71464	\$5,425,550.00	\$1,185,929	\$3,920,671	\$0	6/6/2023	1/12/2023
Equivalency		Orwigsburg Borough Municipal Authority - North Warren Street Sewer Main Replacement	71467	\$1,835,000	\$0	\$1,835,000	\$0	NSY ²	4/19/2023

This application shows that PENNVEST was \$21,995,593 short in meeting its PF Requirement. However, it should be noted the 2022 CAP Grant was awarded later in the year and one funding quarter of eligible PF projects were missed. This amount will be made up in 2023.

2% Technical Assistance
PROGRAM ADMIN.

\$0
\$0

TOTALS \$90,822,600 \$104,414,453 \$18,461,747 \$0

PF Requirement
Minimum Green Goal

\$40,457,340
\$8,256,600

**NOTE: Effective 7/1/2005 Binding
Commitment is defined as Settlement Date**

Equivalency Total \$104,414,453

BIL GENERAL SUPPLEMENTAL CHART 2: FY 2023 PAYMENT SCHEDULE

PROJECTED INCREASES TO CWSRF ACH ACCT

4/3/2023

YEAR/FED. QTR	PAYMENT DATE	CWSRF AMOUNT	CWSRF CUM. AMOUNT
2022/1	10/1/2022	0	0
2022/2	1/1/2023	0	0
2022/3	4/1/2023	0	0
2022/4	7/1/2023	82,566,000	82,566,000
2023/1	9/1/2023	0	82,566,000
2023/2	1/1/2024	0	82,566,000
2023/3	4/1/2024	0	82,566,000
2023/4	7/1/2024	0	82,566,000
2024/1	9/1/2024	0	82,566,000
2024/2	1/1/2025	0	82,566,000
2024/3	4/1/2025	0	82,566,000
2024/4	7/1/2025	0	82,566,000

BIL EMERGING CONTAMINANTS CHART 1: PROJECTED BINDING COMMITMENTS - FY 2023

4/3/2023

Equivalency Project	Categorical Green or Business Case Green	PROJECT NAME	Project Number	TOTAL ASSISTANCE \$ AMOUNT	Loan \$ Amount	Principal Forgiveness \$ Amount	Green \$ Amount	BINDING COMMITMENT DATE (see note below)	Board Meeting Date
		Transfer to Drinking Water BIL EC PROGRAM ADMIN.		\$8,423,000 \$0	\$0 \$0	\$8,423,000 \$0	\$0 \$0		
TOTALS				\$8,423,000	\$0	\$8,423,000	\$0		
		PF Requirement				\$8,423,000			

NOTE: Effective 7/1/2005 Binding Commitment is defined as Settlement Date

BIL EMERGING CONTAMINANTS CHART 2: FY 2023 PAYMENT SCHEDULE

PROJECTED INCREASES TO CWSRF ACH ACCT

4/3/2023

YEAR/FED. QTR	PAYMENT DATE	CWSRF AMOUNT	CWSRF CUM. AMOUNT
2023/1	10/1/2022	0	0
2023/2	1/1/2023	0	0
2023/3	4/1/2023	0	0
2023/4	7/1/2023	8,423,000	8,423,000
2024/1	9/1/2023	0	8,423,000
2024/2	1/1/2024	0	8,423,000
2024/3	4/1/2024	0	8,423,000
2024/4	7/1/2024	0	8,423,000
2025/1	9/1/2024	0	8,423,000
2025/2	1/1/2025	0	8,423,000
2025/3	4/1/2025	0	8,423,000
2025/4	7/1/2025	0	8,423,000

CWSRF INTENDED USE PLAN 2023 Allocation - Sources and Uses - ALL FUNDS								
4/3/2023								
	ASSISTANCE AMOUNT	APPROVAL DATE	LOAN TO BE REPAYED	PRINC FORGIVENESS	STATUS	SETTLEMENT DATE	Type	
SOURCES:								
AWARDED TITLE VI FUNDS (awarded through 2022)	\$1,830,315,297.00					Brown designates		
STATE MATCH (through 2022 grant)	\$365,813,897.00					Green designates NPS		
STATE CONTRIBUTION IN EXCESS OF MATCH	\$2,492,856.00					Blue designates Onlot		
ARRA CWSRF GRANT (awarded)	\$176,912,530.00					ARRA projects		
BIL TOTAL (Appropriation FFY 2023-2024)	\$90,989,000.00							
GENERAL SUPPLEMENTAL	\$82,566,000.00							
EMERGING CONTAMINANTS	\$8,423,000.00							
BIL STATE MATCH REQUIREMENT	\$8,256,600.00							
** 2023 Grant Application (application)	\$29,714,000.00							
** 2023 State Match (application)	\$5,942,800.00							
LEVERAGED FUNDS	\$0.00							
IN EXCESS OF CAPITALIZATION GRANTS	\$0.00							
IN EXCESS OF STATE MATCH	\$0.00							
TOTAL TRANSFERRED FROM DWSRF TO CWSRF	\$20,000,000.00							
TOTAL PRINC/INTEREST/INV INCOME(thru 03/31/2023)	\$2,446,434,274.71							
SOURCE TOTAL:	\$4,976,871,254.71							
USES:								
TOTAL TRANSFERRED TO DWSRF ¹	\$77,419,786.00	See Comment						
WIFTA TRANSFER TO DWSRF FROM CWSRF ²	\$90,685,658.00							
ADMINISTRATIVE (cumulative thru 2022 grant)	\$55,855,212.00							
Administration (estimated in 2023) (4%)	\$0.00							
Administration (estimated in 2023) (2%)	\$0.00							
BIL Set-asides 4% Supplemental	\$0.00							
BIL Set-asides 2% Supplemental	\$0.00							
BIL Set-asides 4% Emerging Contaminants	\$0.00							
BIL Set-asides 2% Emerging Contaminants	\$0.00							
339503 On-Lot (Approved thru 3/31/23)	\$21,662,622.00							
LOAN	Project Name	AMOUNT	APPROVAL DATE	LOAN TO BE REPAYED	PRINC FORGIVENESS	STATUS	SETTLEMENT DATE	Type
77107	Meadville Area Sewer Authority - Engineering	\$1,927,500.00	20-Jul-22	\$413,950.00	\$1,563,550.00	Loan Closing	18-May-23	212
77106	Borough of Eldred - Engineering	\$1,493,000.00	20-Jul-22	\$64,087.00	\$1,428,913.00	Loan Closing	20-Jul-23	212
71454	Borough of Eldred Construction/Split	\$13,285,104.00	20-Jul-22	\$570,260.00	\$12,714,844.00	Loan Closing	20-Jul-23	212
71456	Borough of Steelton	\$2,390,000.00	20-Jul-22	\$64,291.00	\$2,325,709.00	Disbursement	13-Sep-23	212
72835	Lancaster County Conservation District	\$606,823.00	20-Jul-22	\$0.00	\$606,823.00	Disbursement	31-Jan-23	NPS
72836	Lancaster County Conservation District	\$683,500.00	19-Oct-22	\$0.00	\$683,500.00	Loan Closing	24-May-23	NPS
71459	Pittsburgh Water & Sewer Authority Catch Basin Pro-Fi	\$46,054,410.00	19-Oct-22	\$46,054,410.00	\$0.00	Disbursement	13-Apr-23	212
71460	Lewis Township - WWTP Upgrades	\$3,789,508.00	19-Oct-22	\$1,196,414.00	\$2,593,094.00	Loan Closing	19-Oct-23	212
77108	Lewis Township - WWTP Upgrades (split)	\$284,800.00	19-Oct-22	\$89,916.00	\$194,884.00	Loan Closing	19-Oct-23	212
71461	Central Delaware County Authority	\$15,657,900.00	19-Oct-22	\$15,657,900.00	\$0.00	Loan Closing	19-Oct-23	212
77109	Central Delaware County Authority(split)	\$795,000.00	19-Oct-22	\$795,000.00	\$0.00	Loan Closing	19-Oct-23	212
72838	Bethlehem Township Municipal Authority - Phase 1 Pollution Reduction Plan	\$8,022,000.00	12-Jan-23	\$8,022,000.00	\$0.00	Loan Closing	13-Jul-23	NPS

CWSRF INTENDED USE PLAN 2023 Allocation - Sources and Uses - ALL FUNDS								
4/3/2023								
		ASSISTANCE AMOUNT	APPROVAL DATE	LOAN TO BE REPAYED	PRINC FORGIVENESS	STATUS	SETTLEMENT DATE	Type
72839	OZFund, Inc. Green Roof and Stormwater Infrastructure	\$1,823,693.00	12-Jan-23	\$1,823,693.00	\$0.00	Loan Closing	12-Jan-24	NPS
75390	The Bedford Township Muncipal Authority - Areas V & VI Sewer Project	\$7,408,000.00	12-Jan-23	\$7,408,000.00	\$0.00	Loan Closing	12-Jan-24	212
77110	Portage Area Sewer Authority Ward 1&3 Sanitary Sewer Project A/E Split	\$874,000.00	12-Jan-23	\$116,222.00	\$757,778.00	Loan Closing	24-May-23	212
77111	Lancaster Area Sewer Authority Pro-Fi A/E Split	\$9,015,000.00	12-Jan-23	\$9,015,000.00	\$0.00	Loan Closing	12-Jul-23	212
77112	Central Wayne Regional Authority Crestmont and Cherry Ridge A/E Split	\$318,950.00	12-Jan-23	\$74,071.00	\$244,879.00	Loan Closing	11-May-23	212
71466	City of Philadelphia 2024 Linear Assets - Sewer	\$44,876,716.00	19-Apr-23	\$44,875,716.00	\$0.00	Loan Closing	19-Apr-24	212
75393	Forest Hills MA - South Fork RWWTP ATAD and UV Additions	\$7,871,000.00	19-Apr-23	\$7,871,000.00	\$0.00	Loan Closing	19-Apr-24	212
75391	Borough of Carroll Valley - Wastewater Treatment Plant Upgrades Project	\$5,452,398.00	19-Apr-23	\$5,452,398.00	\$0.00	Loan Closing	19-Apr-24	212
75394	Logan Township- 2023 Sanitary Sewer Replacement	\$4,417,375.00	19-Apr-23	\$4,417,375.00	\$0.00	Loan Closing	19-Apr-24	212
75392	City of Lebanon Authority - Wastewater Treatment Plant Improvements Project	\$22,250,000.00	19-Apr-23	\$22,250,000.00	\$0.00	Loan Closing	19-Apr-24	212
71465	Pittsburgh Water and Sewer Authority 2023-2025 LDSR and 2024-2025 SDRS PROFI	\$59,136,000.00	19-Apr-23	\$59,136,000.00	\$0.00	Loan Closing	19-Apr-24	212
77113	Orwigsburg Borough Municipal Authority - North Warren Street Sewer Main Replacement (A/E)	\$252,500.00	19-Apr-23	\$0.00	\$252,500.00	Loan Closing	19-Apr-24	212
72841	Somerset Co Conservation District - Joe Walker	\$936,681.00	19-Apr-23	\$0.00	\$936,681.00	Loan Closing	19-Apr-24	NPS
72840	Lancaster County Conservation District - Josh Stoltzfus Manure Storage & Riparian Buffer	\$734,150.00	19-Apr-23	\$734,150.00	\$0.00	Loan Closing	19-Apr-24	NPS
71458	Ellwood City Borough Wampum Pump	\$6,000,000.00	19-Oct-22	\$0.00	\$6,000,000.00	Loan Closing	10-May-23	212
71462	The Portage Area Sewer Authority-Ward 1&3 Sanitary Sewer (Construction Split)	\$7,734,600.00	12-Jan-23	\$1,028,524.00	\$6,706,076.00	Loan Closing	24-May-23	212
71463	Lancaster Area Sewer Authority Pro-Fi (Construction Split)	\$102,200,000.00	12-Jan-23	\$102,200,000.00	\$0.00	Loan Closing	12-Jul-23	212
71464	Central Wayne Regional Authority Crestmont and Cherry Ridge (Construction Split)	\$5,425,550.00	12-Jan-23	\$1,185,929.00	\$3,920,671.00	Loan Closing	11-May-23	212
71467	Orwigsburg Borough Municipal Authority - North Warren Street Sewer Main Replacement	\$1,835,000.00	19-Apr-23	\$0.00	\$1,835,000.00	Loan Closing	19-Apr-24	212
Pending Approval	FFY2023, PENNVEST expects to transfer the entire CWSRF-EC grant to DWSRF-EC unless projects are identified before 3/31/2024 or another date identified by PENNVEST.		\$0.00	19-Oct-23	\$0.00	-\$8,423,000.00	Pending Approval	18-Oct-24 212
TOTAL USES:		5,151,782,415.29		4,064,148,945.50	454,094,056.20			
		-\$7,934,000.00	Partnership For Delaware Estuary Investment					
NET REVENUE:		-182,845,160.58	to fund future projects ^o					

CWSRF INTENDED USE PLAN 2023 Allocation - Sources and Uses - ALL FUNDS

4/3/2023

ASSISTANCE AMOUNT APPROVAL DATE

SOURCES:

AWARDED TITLE VI FUNDS (awarded through 2022)	1,830,315,297.00	
STATE MATCH (through 2022 grant)	365,813,897.00	
STATE CONTRIBUTION IN EXCESS OF MATCH	2,492,856.00	
ARRA CWSRF GRANT (awarded)	176,912,530.00	
BIL TOTAL (Appropriation FFY 2023-2024)	90,989,000.00	
GENERAL SUPPLEMENTAL	82,566,000.00	
EMERGING CONTAMINANTS	8,423,000.00	
BIL STATE MATCH REQUIREMENT	8,256,600.00	
2023 Grant Application (application)	29,714,000.00	
2023 State Match (application)	5,942,800.00	
LEVERAGED FUNDS	0.00	
IN EXCESS OF CAPITALIZATION GRANTS	0.00	
IN EXCESS OF STATE MATCH	0.00	
TOTAL TRANSFERRED FROM DWSRF TO CWSRF	20,000,000.00	
TOTAL PRINC/INTEREST/INV INCOME(thru 03/31/2023)	2,446,434,274.71	

SOURCE TOTAL:

4,976,871,254.71

USES:

Section 212 Projects:

Projects Financed thru 4/30/2023 (non-ARRA)	4,233,757,324.51	
ARRA projects	267,826,352.06	
		4,501,583,676.57

Section 319 Projects:

NPS (less on-lot, brownfield, ARRA)	294,463,039.68	
NPS - ARRA	31,576,828.83	
On-Lot - NPS activity goal	21,662,622.00	
Brownfields - NPS Activity Goal	78,535,592.21	426,238,082.72

Upcoming Projections

0.00 0.00

Transfers to DWSRF

Transfers to DWSRF from CWSRF	77,419,786.00	
WIFTA transfer to DWSRF from CWSRF	90,685,658.00	168,105,444.00

Administrative Allowance

From Federal Grants Previously Awarded (thru 2022)	55,855,212.00	
From Estimated Admin Expenditures in 2023 (4%)	0.00	
From Estimated Admin Expenditures in 2023 (2%)	0.00	55,855,212.00

BIL Set-asides

BIL Set-asides 4% Supplemental	0.00	
BIL Set-asides 2% Supplemental	0.00	
BIL Set-asides 4% Emerging Contaminants	0.00	
BIL Set-asides 2% Emerging Contaminants	0.00	0.00

USES TOTAL:

5,151,782,415.29

NET BALANCE REMAINING (future loan repayments)

-174,911,160.58

CHART 5 - BENEFITS 2023

4/3/2023

		Base CWSRF Grant Project Descriptions
LOAN #	PROJECT_TITLE	BENEFITS
72835	Lancaster County Conservation District - Amos Esh	The Amos Esh farm currently has undersized manure storage, and stormwater runoff is not collected. An existing manure stacking structure does not have a roof to prevent rainwater from washing manure into the pasture and an unnamed tributary to Owl Creek, which flows to the Tulpehocken Creek, Schuylkill River, and eventually into the Delaware Bay. The project will include installation of a circular, concrete waste storage structure, a roofed concrete heavy-use area, roofed manure stacking structures, a cattle walkway with a stream crossing, a reinforced gravel access road, roof gutters and roof drains, a reinforced gravel animal walkway, and a surface inlet with a steel grate and a stormwater pipe. When complete, an estimated 4,044 pounds of sediment, 3,753 pounds of nitrogen, and 1,617 pounds of phosphorus will be reduced annually.
72838	Bethlehem Township Municipal Authority - Phase 1 Pollution Reduction Plan Project	Uncontrolled stormwater contributes to sediment and nutrient pollution and significant flooding. Bethlehem Township's stormwater permit requires the Township to meet certain pollution-reduction requirements by April 2024. While some pollution-reduction measures have been incorporated into the flooding mitigation projects included in the Township's Capital Improvement Plan, these only partially meet the requirements of the permit. The remaining permit requirements will be met by the retrofitting of existing detention basins, which will allow more stormwater runoff received by the system to be cleaned and retained, and adhering to standards imposed on the Township by state and federal mandates. Four existing basins will be retrofitted throughout Bethlehem Township, which will allow for greater stormwater retention and will reduce pollutants through the infiltration process.
71456	Borough of Steelton	The Borough of Steelton's pump station has reached the end of useful life. The capacity of the pump station is insufficient to convey the wastewater flows received by the station, particularly during wet weather events. The project will consist of installation of three new pumps, new equipment hoists for the pumps, backup generator, new wet well mixing system, new pump controls, additional influent grinder, electric drive on existing grinder, new remote alarm, new roof, force main bypass piping; replacement of internal piping, valves, sump pump, electrical service gear; improvements to the heating, ventilating, and air conditioning system, and dry well dehumidification; concrete work and painting; and abandonment of the existing sanitary sewer overflow line.
72841	Somerset County Conservation District - Joe Walker	The farm has inadequate, 3-week-capacity manure storage which has resulted in overflows. There are no solid manure stacking facilities, which requires daily land application. Runoff from the fields receiving manure and from the existing manure storage location flows toward tributaries to Blue Lick Creek. The installation of a circular manure storage structure, sufficient to store manure, washwater, and bedding from the herd for up to six months, will eliminate the impacts of overflow and runoff from land application. Best management practices will also be implemented to eliminate sedimentation and nutrient runoff from feeding areas and field lanes through use of a new roofed heavy-use area and manure-stacking area during the winter months, as well as stabilization and resurfacing of silage pads and field lanes.
71460	Lewis Township - WWTP	The existing Lewis Township wastewater treatment plant and collection system were constructed in the early 1990s and have reached the end of useful life. Additionally, there are sewage needs in the community due to a number of outdated onlot systems; however, the plant is already operating at 87 percent of its capacity, inhibiting future expansion and collection extensions. The existing wastewater treatment plant will be rehabilitated and expanded through conversion of the existing sequencing batch reactor tanks into aerobic digesters and the elimination of the existing Marsh and Meadow system treatment process. The new treatment technology will follow the Virginia Initiative Process, and the hydraulic capacity will be increased from 33,500 gallons-per-day to 44,000 gallons-per-day. This conversion requires roughly 55,000 gallons of new precast process tankage with necessary pumps, blowers, mixers, and other auxiliary equipment. Additional screening will be added to the headworks, a new influent pump station will be constructed, and primary disinfection will convert from chlorine to an ultraviolet system. The project will also construct three sewer extensions via 3,060 feet of gravity sewer and 1,150 feet of low pressure forcemain, to connect 16 households currently utilizing onlot systems.
71459	Pittsburgh Water and Sewer Authority Catch Basin PRO-FI	Inlets/Catch Basins in Pittsburgh Water and Sewer Authority's combined sewer system are nearing the end of useful life and are at risk of failure. Floatable debris also enters the system, which can cause issues with collection and treatment. Approximately 3,600 inlets and catch basins, that collect stormwater in Pittsburgh Water and Sewer Authority's (PWSA) system, will be replaced over three years. The majority of the work will take place in combined sewer areas, where potential failure of the catch basins and the amount of debris that enters the system can be reduced, to prevent flow and treatment problems.