

**2024 CWSRF Capitalization Grant Application - Base**

**AND**

**Bipartisan Infrastructure Law (BIL):**

**2024 CWSRF Capitalization Grant Application – General Supplemental  
2024 CWSRF Emerging Contaminants Grant Application**

**5/14/2024**

**CLEAN WATER FUNDS CHART: 2024 GRANT APPLICATION - ALL FUNDS**

5/14/2024

	<b>TOTAL</b>	<b>4% ADMIN</b>	<b>2% Tech Assistance</b>	<b>PROGRAM</b>
<b>FEDERAL BASE GRANT FUNDS</b>	32,337,000	-	-	32,337,000
<b>20% MATCHING STATE FUNDS</b>	6,467,400	-	-	6,467,400
<b>TOTAL</b>	<u>38,804,400</u>	<u>-</u>	<u>-</u>	<u>38,804,400</u>
Min -10% Principal Forgiveness (Congressional) + 10% WRRDA				6,467,400
Max - 10% Principal Forgiveness (Congressional) + 30% WRRDA				12,934,800
Minimum Green				3,233,700
<b>BIL TOTAL (Appropriation FFY 2022-2023)</b>		<b>4% ADMIN</b>	<b>2% Tech Assistance</b>	<b>PROGRAM</b>
GENERAL SUPPLEMENTAL	90,083,000	-	-	90,083,000
BIL STATE MATCH REQUIREMENT	18,016,600	-	-	18,016,600
<b>TOTAL</b>	<u>108,099,600</u>	<u>-</u>	<u>-</u>	<u>108,099,600</u>
EMERGING CONTAMINANTS	8,499,000 *	-	-	8,499,000
<b>TOTAL</b>	<u>116,598,600</u>	<u>-</u>	<u>-</u>	<u>116,598,600</u>
BIL Gen Sup Principal Forgiveness Requirement				44,140,670
Minimum Green Goal				9,008,300
BIL Emerge Conts Principal Forgiveness Requirement				8,423,000
Minimum Green Goal				842,300

\* For FFY2024, PENNVEST may consider transferring a portion or the entire CWSRF-EC grant to DWSRF-EC unless projects are identified before 3/31/2025 or another date identified by PENNVEST.

**BASE GRANT CHART 1: PROJECTED BINDING COMMITMENTS - FY 2024**

5/14/2024

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
Non-Equivalency		East Franklin Township - Fox Hollow Sewer Extension Project	75395	\$1,565,563	\$0	\$1,565,563	\$0	12/21/2023	7/19/2023
Non-Equivalency		Hopewell Borough - Wastewater Treatment Facility Replacement	75399	\$1,572,522	\$44,110	\$1,528,412	\$0	2/20/2024	10/18/2023
Non-Equivalency		Highspire Borough Authority Biosolids Improvements Project	75397	\$4,078,124	\$2,200,000	\$1,878,124	\$0	5/7/2024	7/19/2023
Equivalency	Energy Efficiency	City of Philadelphia Blower Replacement and New Process Air Piping	71479	\$26,018,631	\$37,070,670	\$0	\$10,000,000	12/4/2024	1/24/2024
Non-Equivalency		Galeton Borough Authority - Wastewater Treatment Plant Improvements	75398	\$1,421,960	\$0	\$1,421,960	\$0	2/29/2024	10/18/2023
		Onlot Program PROGRAM ADMIN.		\$1,000,000 \$0	\$1,000,000	\$0	\$0		
<b>TOTALS</b>				<b>\$35,656,800</b>	<b>\$40,314,780</b>	<b>\$6,394,059</b>	<b>\$10,000,000</b>		
		PF Minimum Requirement				\$6,467,400	\$3,233,700		
		PF Maximum Requirement				\$12,934,800			

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

Equivalency Total<sup>4</sup> \$37,070,670

<sup>4</sup> - \$26,018,631 of the \$37,070,670 City of Philadelphia project cost is being applied under the Base Cap Grant Application

<sup>2</sup> - Must be greater than or equal to \$35,656,800. Federal Amount for Equivalency.

**BASE GRANT CHART 2: FY 2024 PAYMENT SCHEDULE**

PROJECTED INCREASES TO CWSRF ACH ACCT

5/14/2024

<b>YEAR/FED. QTR</b>	<b>PAYMENT DATE</b>	<b>CWSRF AMOUNT</b>	<b>CWSRF CUM. AMOUNT</b>
2024/1	10/1/2023	0	0
2024/2	1/1/2024	0	0
2024/3	4/1/2024	0	0
2024/4	7/1/2024	32,337,000	32,337,000
2025/1	9/1/2024	0	32,337,000
2025/2	1/1/2025	0	32,337,000
2025/3	4/1/2025	0	32,337,000
2025/4	7/1/2025	0	32,337,000
2026/1	9/1/2025	0	32,337,000
2026/2	1/1/2026	0	32,337,000
2026/3	4/1/2026	0	32,337,000
2026/4	7/1/2026	0	32,337,000

**BIL GENERAL SUPPLEMENTAL CHART 1: PROJECTED BINDING COMMITMENTS - FY 2024**

5/14/2024

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
				AMOUNT	Loan \$ Amount				
Equivalency	Energy Efficiency	Borough of Eldred Sanitary Sewer Replacement	71469	\$4,229,369	\$0	\$4,229,369	\$4,229,369	2/27/2024	7/19/2023
Equivalency		Conneaut Lake Joint Municipal Authority - S8 Line Separation and WWTP Upgrades	71470	\$7,580,000	\$7,580,000	\$0	\$0	3/28/2024	7/19/2023
Equivalency		Cresson Township Municipal Authority - Munster Wastewater System Extension (Construction)	71472	\$2,910,545.00	\$9,976	\$2,900,569	\$0	6/27/2024	10/18/2023
Equivalency		Rimersburg Borough Municipal Authority - Wastewater Treatment Plant and Collection System Upgrade	71473	\$8,180,600.00	\$0	\$8,180,600	\$0	NSY <sup>2</sup>	10/18/2023
Equivalency		Shinglehouse Borough - Wastewater Treatment Plant Phase II	71478	\$14,317,100	\$4,820,293	\$9,496,807	\$0	NSY <sup>2</sup>	1/24/2024
Equivalency		Northwestern Chester County Municipal Authority - Wastewater Treatment Plant Nitrification Upgrade	71476	\$11,574,580	\$11,574,580	\$0	\$0	6/27/2024	1/24/2024
Equivalency		Conyngham-Sugarloaf Joint Municipal Authority Wastewater Upgrades	71480	\$12,750,000	\$12,750,000	\$0	\$0	NSY <sup>2</sup>	4/24/2024
Equivalency		Tamaqua Borough Authority Wastewater Treatment Plant Improvements	71481	\$20,000,000	\$7,122,279	\$12,879,721	\$0	NSY <sup>2</sup>	4/24/2024
Equivalency		Danville Municipal Authority - Fisher Court Pump Station, Franklin St. Sewer, and Dewatering	71483	\$16,862,000	\$10,408,396	\$6,453,604	\$0	NSY <sup>2</sup>	4/24/2024
Equivalency		North Huntingdon Twp VIA- Yougnigneny Wastewater Treatment Plant Improvements <sup>1</sup>	71471	\$9,695,406	\$20,000,000	\$0	\$0	6/4/2024	7/19/2023
		2% Technical Assistance PROGRAM ADMIN.		\$0	\$0				
<b>TOTALS</b>				\$108,099,600	\$74,265,524	\$44,140,670	\$4,229,369		

**PF Requirement  
Minimum Green Goal**

\$44,140,670  
\$9,008,300

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

Equivalency Total<sup>3</sup> \$118,404,194

<sup>1</sup> - \$9,695,406 of the \$20,000,000 project costs is being applied to the BIL General Supplemental Program Application

<sup>2</sup> - NSY = Not scheduled yet.

<sup>3</sup> - The equivalency total must equal or exceed \$108,099,600.

**BIL GENERAL SUPPLEMENTAL CHART 2: FY 2024 PAYMENT SCHEDULE**

PROJECTED INCREASES TO CWSRF ACH ACCT

5/14/2024

<b>YEAR/FED. QTR</b>	<b>PAYMENT DATE</b>	<b>CWSRF AMOUNT</b>	<b>CWSRF CUM. AMOUNT</b>
2023/1	10/1/2023	0	0
2023/2	1/1/2024	0	0
2023/3	4/1/2024	0	0
2023/4	7/1/2024	90,083,000	90,083,000
2024/1	9/1/2024	0	90,083,000
2024/2	1/1/2025	0	90,083,000
2024/3	4/1/2025	0	90,083,000
2024/4	7/1/2025	0	90,083,000
2025/1	9/1/2025	0	90,083,000
2025/2	1/1/2026	0	90,083,000
2025/3	4/1/2026	0	90,083,000
2025/4	7/1/2026	0	90,083,000

**BIL EMERGING CONTAMINANTS CHART 1: PROJECTED BINDING COMMITMENTS - FY 2024**

5/14/2024

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
Equivalency		Wellsboro Municipal Authority - UV Disinfection System	71477	\$1,024,000	\$0	\$1,024,000	\$0	5/8/2024	1/24/2024
Equivalency		Derry Township Municipal Authority - Digester Emerging Contaminants <sup>1</sup> PROGRAM ADMIN.	71484	\$7,475,000 \$0	\$8,545,000 \$0	\$7,475,000 \$0	\$0 \$0	4/24/2025	4/24/2024
<b>TOTALS</b>				<b>\$8,499,000</b>	<b>\$8,545,000</b>	<b>\$8,499,000</b>	<b>\$0</b>		
PF Requirement						<b>\$8,499,000</b>			

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

<sup>1</sup> - Only \$7,475,000 of the \$16,020,000 will be attributed to BIL EC funding. The balance of the project will be funded by other federal funds.

**BIL EMERGING CONTAMINANTS CHART 2: FY 2024 PAYMENT SCHEDULE**

PROJECTED INCREASES TO CWSRF ACH ACCT

5/14/2024

<b>YEAR/FED. QTR</b>	<b>PAYMENT DATE</b>	<b>CWSRF AMOUNT</b>	<b>CWSRF CUM. AMOUNT</b>
2023/1	10/1/2023	0	0
2023/2	1/1/2024	0	0
2023/3	4/1/2024	0	0
2023/4	7/1/2024	8,499,000	8,499,000
2024/1	9/1/2024	0	8,499,000
2024/2	1/1/2025	0	8,499,000
2024/3	4/1/2025	0	8,499,000
2024/4	7/1/2025	0	8,499,000
2025/1	9/1/2025	0	8,499,000
2025/2	1/1/2026	0	8,499,000
2025/3	4/1/2026	0	8,499,000
2025/4	7/1/2026	0	8,499,000



CWSRF INTENDED USE PLAN 2024 Allocation - Sources and Uses - ALL FUNDS									
5/14/2024									
		ASSISTANCE AMOUNT	APPROVAL DATE	LOAN TO BE REPAID	FORGIVENES S	STATUS	SETTLEMEN T DATE	Type	
<b>SOURCES:</b>									
	AWARDED TITLE VI FUNDS (awarded	\$1,860,029,297.00						Brown designates	
	STATE MATCH (through 2023 grant)	\$387,063,297.00						Green designates	
	STATE CONTRIBUTION IN EXCESS OF	\$2,492,856.00						Blue designates	
	ARRA CWSRF GRANT (awarded)	\$176,912,530.00						ARRA projects	
	BIL TOTAL (Appropriation FFY 2024-2025)	\$98,582,000.00							
	GENERAL SUPPLEMENTAL	\$90,083,000.00							
	EMERGING CONTAMINANTS	\$8,499,000.00							
	BIL STATE MATCH REQUIREMENT	\$18,016,600.00							
	** 2024 Grant Application (application)	\$32,337,000.00							
	** 2024 State Match (application)	\$6,467,400.00							
	LEVERAGED FUNDS	\$0.00							
	IN EXCESS OF CAPITALIZATION GRANTS	\$0.00							
	IN EXCESS OF STATE MATCH	\$0.00							
	TOTAL TRANSFERRED FROM DWSRF TO	\$20,000,000.00							
	TOTAL PRINC/INTEREST/INV INCOME(thru 02/29/2024)	2,716,493,158.00							
	<b>SOURCE TOTAL:</b>	<b>\$5,318,394,138.00</b>							
<b>USES:</b>									
	TOTAL TRANSFERRED TO DWSRF <sup>1</sup>	\$137,419,786.00	See Comment						
	WIFTA TRANSFER TO DWSRF FROM	\$90,685,658.00							
	ADMINISTRATIVE (cumulative thru 2023	\$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 1/31/24)	\$24,598,770.00							
LOAN	Project Name	AMOUNT	APPROVAL DATE	LOAN TO BE REPAID	PRINC FORGIVENES	STATUS	SETTLEMEN T DATE	Type	
75395	East Franklin Township - Fox Hollow Sewer Extension Project	\$1,565,563.00	19-Jul-23	\$0.00	\$1,565,563.00	Disbursement	21-Dec-23	212	2024 BASE
75399	Hopewell Borough - Wastewater Treatment Facility Replacement	\$1,572,522.00	18-Oct-23	\$44,110.00	\$1,528,412.00	Disbursement	20-Feb-24	212	BASE
75397	Highspire Borough Authority Biosolids Improvement Project	\$4,078,124.00	19-Jul-23	\$2,200,000.00	\$1,878,124.00	Loan Closing	07-May-24	212	BASE
71479	City of Philadelphia Blower Replacement and New Process Air Piping	\$37,070,670.00	24-Jan-24	\$37,070,670.00	\$0.00	Loan Closing	04-Dec-24	212	BASE
75398	Galeton Borough Authority - Wastewater Treatment Plant Improvements	\$1,421,960.00	18-Oct-23	\$0.00	\$1,421,960.00	Disbursement	29-Feb-24	212	BASE
71469	Borough of Eldred Sanitary Sewer Replacement	\$4,229,369.00	19-Jul-23	\$0.00	\$4,229,369.00	Disbursement	27-Feb-24	212	BIL GS
71470	Conneaut Lake Joint Municipal Authority-S8 Line Speration and WWTP Upgrades	\$7,580,000.00	19-Jul-23	\$7,580,000.00	\$0.00	Loan Closing	28-Mar-24	212	BIL GS
71472	Cresson Township Municipal Authority - Munster Wastewater System Extension	\$2,910,545.00	10/18/2023	\$9,976.00	\$2,900,569.00	Loan Closing	27-Jun-24	212	BIL GS

CWSRF INTENDED USE PLAN 2024 Allocation - Sources and Uses - ALL FUNDS										
5/14/2024										
		ASSISTANCE AMOUNT	APPROVAL DATE	LOAN TO BE REPAYED	FORGIVENESS	STATUS	SETTLEMENT DATE	Type		
71473	Rimersburg Borough Municipal Authority - Wastewater Treatment Plant and Collection System Upgrade	\$8,180,600.00	18-Oct-23	\$0.00	\$8,180,600.00	Loan Closing	18-Oct-24	212	BIL	GS
71478	Shinglehouse Borough - Wastewater Treatment Plant Phase II	\$14,317,100.00	24-Jan-24	\$4,820,293.00	\$9,496,807.00	Loan Closing	24-Jan-25	212	BIL	GS
71476	Northwestern Chester County Municipal Authority - Wastewater Treatment Plant	\$11,574,580.00	24-Jan-24	\$11,574,580.00	\$0.00	Loan Closing	27-Jun-24	212	BIL	GS
Pending Approval	Conyngham-Sugarloaf Joint Municipal Authority Wastewater Upgrades	\$12,750,000.00	24-Apr-24	\$12,750,000.00	\$0.00	Under Review	24-Apr-25	212	BIL	GS
Pending Approval	Tamaqua Borough Authority Wastewater Treatment Plant Improvements	\$20,000,000.00	24-Apr-24	\$7,122,279.00	\$12,879,721.00	Under Review	24-Apr-25	212	BIL	GS
Pending Approval	Danville Municipal Authority - Fisher Court Pump Station, Franklin St. Sewer, and	\$16,862,000.00	24-Apr-24	\$10,408,396.00	\$6,453,604.00	Under Review	24-Apr-25	212	BIL	GS
71471	North Huntingdon Twp MA - Youghieny Wastewater Treatment Plant Improvements	\$20,000,000.00	19-Jul-23	\$20,000,000.00	\$0.00	Loan Closing	04-Jun-24	212	BIL	GS
71477	Wellsboro Municipal Authority - UV Disinfection System	\$1,024,000.00	24-Jan-24	\$0.00	\$1,024,000.00	Loan Closing	24-Jan-24	212	BIL	EC
Pending Approval	Derry Township Municipal Authority - Digester Emerging Contaminants	\$7,399,000.00	24-Apr-24	\$0.00	\$7,399,000.00	Under Review	24-Apr-25	212	BIL	EC
71468	Greater Hazleton Joint Sewer Authority - Locust Street CSO Separation and Force Main Replacement (Construction)	\$6,116,000.00	18-Jul-23	\$6,116,000.00	\$0.00	Loan Closing	19-Jul-24	212	Base	
77114	Greater Hazleton Joint Sewer Authority - Locust Street CSO Separation and Force Main Replacement (Engineering)	\$611,000.00	18-Jul-23	\$611,000.00	\$0.00	Loan Closing	19-Jul-24	212	Base	New projects added since 2023 Grant Application (2024 CAP Grant Projects)
77115	Borough of Eldred Sanitary Sewer Replacement (A/E)	\$444,200.00	19-Jul-23	\$0.00	\$444,200.00	Disbursement	27-Feb-24	212	Base	
77116	Conneaut Lake Joint Municipal Authority-S8 Line Separation and WWTP Upgrades	\$520,000.00	19-Jul-23	\$520,000.00	\$0.00	Loan Closing	28-Mar-24	212	Base	
72842	Chester County Conservation District	\$916,284.00	19-Jul-23	\$0.00	\$916,284.00	Loan Closing	19-Jul-24	NPS	Base	
77119	Forest Hills MA - South Fork RWWTP ATAD and UV Additions Engineering	\$1,738,077.00	19-Oct-23	\$1,738,077.00	\$0.00	Loan Closing	19-Oct-24	212	Base	
71474	Wyoming Valley Sanitary Authority East Side Interceptor Rehabilitation Phase 2	\$13,250,000.00	19-Oct-23	\$13,250,000.00	\$0.00	Disbursement	25-Jan-24	212	Base	
77118	Rimersburg Borough Municipal Authority - Wastewater Treatment Plant and Collection System Upgrade Engineering	\$710,000.00	19-Oct-23	\$0.00	\$710,000.00	Loan Closing	19-Oct-24	212	Base	
77117	Cresson Township Municipal Authority - Munster Wastewater System Extension	\$499,455.00	19-Oct-23	\$1,712.00	\$497,743.00	Loan Closing	19-Oct-24	212	Base	
72605	Lancaster County Conservation District	\$1,063,922.00	24-Jan-24	\$0.00	\$1,063,922.00	Loan Closing	24-Jan-25	NPS	Base	
72702	Elizabethtown Borough - Conoy Creek Floodplain Restoration at Hickory Lane Park	\$3,365,000.00	24-Jan-24	\$3,365,000.00	\$0.00	Loan Closing	24-Jan-25	NPS	Base	

CWSRF INTENDED USE PLAN 2024 Allocation - Sources and Uses - ALL FUNDS									
5/14/2024									
		ASSISTANCE AMOUNT	APPROVAL DATE	LOAN TO BE REPAYED	FORGIVENESS	STATUS	SETTLEMENT DATE	Type	
77120	Northwestern Chester County Municipal Authority - Wastewater Treatment Plant Nitrification Upgrade A/E	\$1,025,420.00	24-Jan-24	\$1,025,420.00	\$0.00	Loan Closing	24-Jan-25	212	Base
77121	Wellsboro Municipal Authority - UV Disinfection System Engineering	\$108,100.00	24-Jan-24	\$108,100.00	\$0.00	Loan Closing	24-Jan-25	212	Base
77122	Shinglehouse Borough - Wastewater Treatment Plant Phase II Engineering	\$1,174,900.00	24-Jan-24	\$1,174,900.00	\$0.00	Loan Closing	24-Jan-25	212	Base
75400	Elizabethtown Borough - Radio Road Interceptor Improvements	\$9,898,000.00	24-Jan-24	\$9,898,000.00	\$0.00	Loan Closing	24-Jan-25	212	Base
Pending Approval	Capital Region Water - 2024 Green Stormwater Infrastructure Programmatic Financing	\$13,300,000.00	24-Apr-24	\$13,300,000.00	\$0.00	Under Review	24-Apr-25	NPS	Base
Pending Approval	Conyngham-Sugarloaf Joint Municipal Authority Wastewater Upgrades A/E Split	\$1,757,200.00	24-Apr-24	\$1,757,200.00	\$0.00	Under Review	24-Apr-25	212	Base
Pending Approval	Dallastown Borough- Colonial Park Sewer Extension	\$6,152,000.00	24-Apr-24	\$6,152,000.00	\$0.00	Under Review	24-Apr-25	212	Base
Pending Approval	Bethel Park MA - 2021 Grit and Headworks Improvement Project	\$15,000,000.00	24-Apr-24	\$15,000,000.00	\$0.00	Under Review	24-Apr-25	212	Base
Pending Approval	Amity Township WWTP Upgrades Project	\$20,400,000.00	24-Apr-24	\$20,400,000.00	\$0.00	Under Review	24-Apr-25	212	Base
Pending Approval	Danville Municipal Authority - Fischer Court Pump Station, Franklin St. Sewer, and Dewatering A/E Split	\$2,006,500.00	24-Apr-24	\$1,238,551.00	\$767,949.00	Under Review	24-Apr-25	212	Base
TOTAL USES:		<b>5,485,385,607.29</b>		4,603,419,449.50	567,243,339.20				
		<b>-\$7,934,000.00</b>	Partnership For Delaware Estuary Investment						
NET REVENUE:		<b>-174,925,469.29</b>	to fund future projects <sup>3</sup>						
<b>Foot notes</b>									
<sup>1</sup> - Transfers reflect \$48,862,688 in FY 02-03, \$8,577,098 in FY 04-05, and \$20,000,000 in FY 20-21									
<sup>2</sup> - \$90,685,658 transferred under the Water Infrastructure Fund Transfer ACT (WIFTA)									
<sup>3</sup> - The negative Net Revenue of \$177,307,069 is a reflection that PENNVEST is over committed in Federal Funding. This over commitment will be addressed in the upcoming grant application year.									

**CWSRF INTENDED USE PLAN 2024 Allocation - Sources and Uses - ALL FUNDS**  
**5/14/2024**

SOURCES:	ASSISTANCE AMOUNT	APPROVAL DATE
AWARDED TITLE VI FUNDS (awarded through 2023)	1,860,029,297.00	
STATE MATCH (through 2023 grant)	387,063,297.00	
STATE CONTRIBUTION IN EXCESS OF MATCH	2,492,856.00	
ARRA CWSRF GRANT (awarded)	176,912,530.00	
BIL TOTAL (Appropriation FFY 2024-2025)	98,582,000.00	
GENERAL SUPPLEMENTAL	90,083,000.00	
EMERGING CONTAMINANTS	8,499,000.00	
BIL STATE MATCH REQUIREMENT	18,016,600.00	
2024 Grant Application (application)	32,337,000.00	
2024 State Match (application)	6,467,400.00	
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 02/29/2024)	2,716,493,158.00	
<b>SOURCE TOTAL:</b>	<b>5,318,394,138.00</b>	
<b>USES:</b>		
<b>Section 212 Projects:</b>		
Projects Financed thru 4/24/2024 (non-ARRA)	4,492,045,312.51	
ARRA projects	267,826,352.06	
	<b>4,759,871,664.57</b>	
<b>Section 319 Projects:</b>		
NPS (less on-lot, brownfield, ARRA)	306,842,095.68	
NPS - ARRA	31,576,828.83	
On-Lot - NPS activity goal	24,598,770.00	
Brownfields - NPS Activity Goal	78,535,592.21	441,553,286.72
<b>Upcoming Projections</b>	0.00	0.00
<b>Transfers to DWSRF</b>		
Transfers to DWSRF from CWSRF	137,419,786.00	
WIF IA transfer to DWSRF from CWSRF	90,685,658.00	228,105,444.00
<b>Administrative Allowance</b>		
From Federal Grants Previously Awarded (thru 2023)	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
<b>BIL Set-asides</b>		
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
<b>USES TOTAL:</b>	<b>5,485,385,607.29</b>	
<b>NET BALANCE REMAINING (future loan repayments)</b>		<b>-166,991,469.29</b>
Partnership For Delaware Estuary Investment		-7,934,000.00
Net		-174,925,469.29

**CHART 5 - BENEFITS 2024**

5/14/2024

		Base CWSRF Grant Project Descriptions
LOAN #	PROJECT_TITLE	BENEFITS
75395	East Franklin Township - Fox Hollow Sewer Extension Project	The Fox Hollow wastewater treatment plant, which was originally constructed in 1996 by a private developer with used equipment experiences routine hydraulic and organic overloading due to frequent high flows and dated equipment in need of constant repair. East Franklin Township was forced to take over the system. On June 14, 2021, the Township received a Notice of Violation from the Pennsylvania Department of Environmental Protection for effluent violations and consistent hydraulic and organic overloading conditions, notably with discharges of fecal coliform and total suspended solids. The Township intends to fully decommission the plant and connect to a neighboring authority for wastewater treatment. As part of a Corrective Action Plan the Township proposes to construct an approximately 7,000-foot new sanitary sewer line extension along Toy, Booher, and Claypoole (State Route 3009) Roads. The existing collection system will be connected to the West Hills Area Water Pollution Control Authority system, serving portions of Applewold and West Kittanning Boroughs, and North Buffalo and East Franklin Townships.
75399	Hopewell Borough - Wastewater Treatment Facility Replacement	Hopewell Borough's wastewater treatment facility was constructed and commenced operation in 1988. Due to aging infrastructure, the plant suffers from several operational problems and equipment failure. Specifically, the blowers to the aeration tanks are failing. The current wastewater treatment facility has had multiple discharge permit violations, with an increasing number of violations happening in recent months. The proposed project will improve Hopewell Borough's wastewater treatment process by replacing the existing plant with an extended aeration prepackaged plant. The new plant will be constructed adjacent to the existing control building which will be decommissioned upon successful start-up and commissioning of the new plant. This existing system serves a community with a much lower-than-median household income level than the state median household income level.
75397	Highspire Borough Authority Biosolids Improvements Project	The Highspire Borough Authority has been experiencing challenges with the centrifuge control system, and any action to correct the equipment requires a significant capital expenditure. The centrifuge is nearly 30 years old and is nearing the end of useful operating life. This project includes demolition of the primary digester and building, and construction of a new digester and dewatering building, a new shelter for the sludge cake dumpster, and two new common wall digester tanks. New transfer structures will also be included: new sludge transfer from thickeners to digesters, and new digester supernatant transfer from digesters to headworks.

**CHART 5 - BENEFITS 2024**

5/14/2024

		<b>Base CWSRF Grant Project Descriptions</b>
LOAN #	PROJECT_TITLE	BENEFITS
71479	City of Philadelphia Blower Replacement and New Process Air Piping	The City of Philadelphia owns and operates the Southwest Water Pollution Control Plant, located along the Delaware River. Various components of the blowers are outdated and past the end of useful life. The blowers are not adaptable to varying airflow demands, they lack variable frequency drives, are not energy efficient, and operate at high sound levels. The channel air system at the plant is also in seriously-deteriorated condition with visible leakage and is in need of complete replacement. During the project, the deteriorated, aging blowers and channel air systems will be replaced with updated, energy efficient, modern components, reducing sedimentation within the existing tanks, resolving leakage, and installing energy efficient blowers.
75398	Galeton Borough Authority - Wastewater Treatment Plant Improvements	The Authority's wastewater treatment plant was constructed in 1960 and is in need of repairs and improvements. Critical treatment components have reached the end of useful life, and the plant is unable to appropriately handle solids. As a result, the plant is in violation of discharging inadequately-treated wastewater to Pine Creek. Wastewater treatment equipment that has reached the end of useful life will be replaced, and two new aerobic digesters and blowers will be installed along with a new sludge pump, a new central clarifier, and onsite sewer lines. Combined with enhancements to the existing aeration tanks, these proposed upgrades will improve the plant's sludge handling capacity and ability to handle wet-weather flows. This existing system serves 479 residential customers in Galeton Borough with a median household income level below the state median household income level.
LOAN #	PROJECT_TITLE	<b>BIL General Supplemental CWSRF Grant Project Descriptions</b> BENEFITS

**CHART 5 - BENEFITS 2024**

5/14/2024

		<b>Base CWSRF Grant Project Descriptions</b>
LOAN #	PROJECT_TITLE	BENEFITS
71469	Borough of Eldred Sanitary Sewer Replacement	The Borough of Eldred, McKean County, seeks to complete significant upgrades to replace its sanitary sewer collection and conveyance system originally constructed in 1967, nearly half of which is constructed of terra cotta or vitrified clay pipe. The existing sanitary sewer collection and conveyance system is subject to excessive infiltration, hydraulic overloading, and organic overloading. Currently under a Consent Order and Agreement with the Pennsylvania Department of Environmental Protection, the existing system was originally built to collect stormwater and wastewater. Following implementation of multiple corrective action plans between the Department and the Borough, hydraulic and organic overloading violations persist because of excessive infiltration. The project will incorporate replacement of approximately 9,650 feet of existing sanitary sewer collection pipe. Additionally, the Barden Brook and Shields pump stations, last upgraded in 1996 and 2003 respectively, will be replaced. The system serves approximately 345 households in Eldred Borough and an additional nine households in Eldred Township, with the primary service area consisting of median household income levels below the state median household income level. The project includes environmental justice and federally disadvantaged community areas.
71470	Conneaut Lake Joint Municipal Authority - S8 Line Separation and WWTP Upgrades	The Conneaut Lake Joint Municipal Authority, Crawford County, proposes a rerouting of an existing corroded force main near Conneaut Lake Dam. The existing force main is subject to severe corrosion and leaks, posing a significant environmental and safety hazard to the community. The lake serves as a public drinking water source and habitat for numerous threatened and endangered species. The existing force main will be abandoned, and flows will be rerouted to bypass the area through the installation of approximately 2,300 feet of new 12-inch high-density polyethylene pipe. In tandem with the new force main, the Authority will upgrade its "S-8" pump station to correct flow imbalances and prevent excessive wear on equipment. Two new pumps and motors will be installed along with new valves, electrical control panels, and an emergency generator. The existing wet well hatch will be rehabilitated. The Authority will upgrade outdated technologies at the wastewater treatment plant and connect to new modern equipment to ensure effective delivery of influent. New headworks and generator buildings will be constructed, and a sludge press installed. Feed pumps, an intake screen, and a primary clarifier will be rehabilitated. Existing rock media trickling filters, concrete sludge drying beds, and a secondary clarifier will be removed. The Authority provides wastewater collection and treatment to approximately 2,699 households in the second-class Townships of Sadsbury and Summit with median household income levels near the state median household income level.

**CHART 5 - BENEFITS 2024**

5/14/2024

		Base CWSRF Grant Project Descriptions
LOAN #	PROJECT_TITLE	BENEFITS
71472	Cresson Township Municipal Authority - Munster Wastewater System Extension (Construction)	The project area in Munster Township suffers from failing onlot sewer systems and has entered into a Consent Order with the Pennsylvania Department of Environmental Protection to correct the issue. Cresson Township Municipal Authority will extend sewer service to properties in Munster Township, Cambria County to serve an area with failing onlot systems. The Authority is an existing system and will extend service to 45 residential customers currently unserved in Munster Township, which has a population of 179. The population impacted by this project has a median household income level above the state median household income level.
71473	Rimersburg Borough Municipal Authority - Wastewater Treatment Plant and Collection System Upgrade	Rimersburg Borough Municipal Authority wastewater treatment plant is undersized and the plant overflows approximately four to five times per year, resulting in raw sewage discharges to the surrounding environment and Wildcat Run, an adjacent waterway. The existing plant treatment process does not incorporate solids handling or automated monitoring software. Numerous components have reached the end of useful life. The existing wastewater treatment plant will be upgraded to include a new grit removal chamber, automated bar screen, Supervisory Control and Data Acquisition system, blowers, control building, and chlorine sterilization hardware. New larger sequential batch reactors will be constructed. An existing lagoon will be lined for use as a permitted equalization basin. The proposed upgrade will double the plant's capacity to 400,000 gallons-per-day and eliminate overflows during wet weather events. The Authority serves 551 households in the Borough of Rimersburg and surrounding second-class Townships of Toby, Madison, and Brady. Portions of the service area include a federally-disadvantaged community region with median household income levels below the state median household income level.
71478	Shinglehouse Borough - Wastewater Treatment Plant Phase II	Shinglehouse Borough's existing wastewater treatment facility was originally constructed in 1966. Small repairs and modifications have been made since it was constructed, however most of the equipment has reached the end of useful life, and current treatment processes cannot reliably meet effluent limitations. The project is the second phase of the Borough's upgrade plan for its wastewater treatment facility which includes replacing and installing essential treatment equipment. Upgrades include a new grit removal system, new clarifiers, new effluent pumps and controls, and a new pre-anaerobic reactor tank. The existing chlorine contact tank will be structurally rehabilitated with concrete and an epoxy coating system. Also, a new headworks building will be constructed as part of the project. This existing system serves 531 households in Shinglehouse Borough and 3 households in Sharon Township, with a median household income level that is below the state median household income level.



**CHART 5 - BENEFITS 2024**

5/14/2024

		<b>Base CWSRF Grant Project Descriptions</b>
LOAN #	PROJECT_TITLE	BENEFITS
71476	Northwestern Chester County Municipal Authority - Wastewater Treatment Plant Nitrification Upgrade	Northwestern Chester County Municipal Authority's wastewater treatment system cannot reach ammonia removal limits during the winter months in accordance with the requirements of its National Pollutant Discharge Elimination System permit, despite attempts to implement changes and improvements to treatment operations. It is also suspected that the Authority's aerated fixed film system was under-designed. The Authority intends to remove the aerated fixed film system from the tertiary lagoons and replace it with a new moving bed biofilm reactor system. Additional upgrades include installation of a new adequately-sized aeration system in the primary lagoons, construction of a new building to house the new aeration blowers and controls for the system, as well as minor upgrades and improvements to the treatment facility. This existing system serves 723 households in Honey Brook Township and 488 households in Honey Brook Borough with median household income levels that are above the state median household income level.
71480	Conyngham-Sugarloaf Joint Municipal Authority Wastewater Upgrades	The Conyngham-Sugarloaf wastewater treatment plant is currently hydraulically overloaded, causing flows of untreated or inadequately treated sewage into local waterways. The Authority is under a consent order and agreement to address permit violations. The proposed upgrades to the plant will provide for treatment capacity to address the hydraulic overload conditions. This proposed project will expand and upgrade the plant from 0.350 million gallons per day to 0.500 million gallons per day. The wastewater treatment process at the existing treatment facility will be upgraded from contact stabilization to a sequencing batch reactor process. Other proposed upgrades include a new influent pump station, screening facility, grit removal system, control building, chemical feed systems, piping and valves, ultraviolet disinfection system, plant water system, effluent flow meter, supervisory control and data acquisition instrumentation, and necessary site work. Environmental benefits include reducing the flow of untreated or inadequately treated sewage to local waterways. This is an existing system that serves 1,260 residential customers.

**CHART 5 - BENEFITS 2024**

5/14/2024

		<b>Base CWSRF Grant Project Descriptions</b>
LOAN #	PROJECT_TITLE	BENEFITS
71481	Tamaqua Borough Authority Wastewater Treatment Plant Improvements	The Tamaqua Borough Authority wastewater treatment plant was constructed in 1964 with the last major upgrade in 1989. Most of the process equipment and electrical system components are aged and replacement parts are difficult to obtain, resulting in unreliability, increased maintenance needs and inefficiency. The Authority received a Notice of Violation from the Pennsylvania Department of Environmental Protection for sanitary sewer overflows. The Tamaqua Borough Authority proposes improvements to the wastewater treatment plant. This project includes constructing a new headworks building, installing one new flash mix tank, rehabilitating the primary and secondary clarifiers and associated equipment, rehabilitating the aeration tanks and associated equipment, converting two aeration tanks to swing equalization basins, replacing aeration blowers, installing a new magnesium hydroxide system and replacing the chlorine gas system with sodium hypochlorite disinfection. Work also includes repairing and rehabilitating the primary digester, constructing a new boiler building and digester gas handling equipment, demolishing the secondary digesters, refurbishing the laboratory, replacing the existing belt filter press with a dewatering screw press, upgrading the plant electrical service, installing a new Supervisory Control and Data Acquisition system and various piping, and site work associated with the improvements. These improvements are required to address an Environmental Protection Agency Agreement of Consent related to the Combined Sewer Overflow Long Term Control Plan, replacing the facility at the end of useful life, and improving process operations.
71483	Danville Municipal Authority - Fisher Court Pump Station, Franklin St. Sewer, and Dewatering	Equipment and structures utilized by Danville Municipal Authority are approaching or have reached the end of useful life. The digester mixing equipment and the dewatering equipment are approaching 30 years of service and the building that houses the dewatering equipment has exceeded its useful life at nearly 70 years of service. The Fisher Court Pump Station exhibits increased pressure and head within the system caused by buildup in the force main and discharge piping, inhibiting the pump's ability to deliver its rated capacity. The project will replace outdated equipment that has reached the end of useful life and includes replacement of digester mixing equipment and construction of a new dewatering building, including installation of new dewatering equipment. The Fisher Court pump station will be reconstructed and rerouted to a new gravity sewer on Franklin Street. Rerouting the pump station includes replacement of 10 manholes, installation of 3 new manholes, and installation of approximately 3,300 feet of ductile iron sewer line. The existing system serves 2,710 households in Danville Borough and Valley Township with an average median household income level that is below the state median household income level.

**CHART 5 - BENEFITS 2024**  
**5/14/2024**

<b>Base CWSRF Grant Project Descriptions</b>		
<b>LOAN #</b>	<b>PROJECT_TITLE</b>	<b>BENEFITS</b>
71471	North Huntingdon Twp MA- Youghieny Wastewater Treatmentment Plant Improvements1	North Huntingdon Township Municipal Authority's Youghieny wastewater Treatment Plant was constructed in the 1970s and is nearing the end of useful life. The plant lacks efficient primary treatment facilities such as screening and grit removal, which impacts downstream solids management processes. In addition, the facility is unable to meet future nutrient removal requirements and peak hydraulic loads. The existing facility is unable to meet the sanitary sewer needs of the Authority's buildout service area. A new treatment facility will be constructed which will include a new centralized process lift station and headworks facility for screening and grit removal; a Sequencing Batch Reactor unit process with biological nutrient removal capabilities; an ultraviolet disinfection and effluent water storage facility; and a sludge dewatering building. The existing treatment facility will be decommissioned. This is an existing system and serves 13,000 residential customers with a population of 33,000.
<b>BIL Emerging Contaminants CWSRF Grant Project Descriptions</b>		
<b>LOAN #</b>	<b>PROJECT_TITLE</b>	<b>BENEFITS</b>
71477	Wellsboro Municipal Authority - UV Disinfection System	Wellsboro Municipal Authority is required to reduce the total residual chlorine concentration that is discharged by the wastewater treatment plant in accordance with the renewal of its National Pollutant Discharge Elimination System permit. The Authority will rehabilitate and convert the wastewater treatment plant's existing chlorine contact tank to an ultraviolet disinfection channel. New ultraviolet disinfection equipment will be installed inside the channel. Improvements will also be made to the structure that houses the treatment facility including the installation of a new roof, stairs, and handrailing. This existing system serves 1,416 households in Wellsboro Borough with a median household income level that is below the state median household income level.

**CHART 5 - BENEFITS 2024**

5/14/2024

		Base CWSRF Grant Project Descriptions
LOAN #	PROJECT_TITLE	BENEFITS
71484	Derry Township Municipal Authority - Digester Emerging Contaminants1	<p>Per- and polyfluoroalkyl substances (PFAS) are emerging contaminants found in a wide range of commercial products. These manufactured chemicals were used due to their unique water, oil, and heat resistance properties, also making them extremely difficult to breakdown. Recent studies have linked PFAS to many different human health issues, and due to their persistence in the environment, it has become increasingly important to develop technology to help reduce PFAS. While PFAS are not produced in wastewater treatment plants, they do receive PFAS in the influent and therefore are an opportunity to implement technologies to eliminate emerging contaminants. This project will install the following major components to the Clearwater Road Wastewater Treatment Plant: one Eco remedy Advanced Fluid Lift™ gasifier, one Eco remedy oxidizer and flue gas tempering chamber, one excess energy heat exchanger, one conventional single pass rotary drum dryer, one high efficiency multiclone, one variable throat venturi scrubber (including fugitive dust collection system), and one packed media horizontal scrubber for capturing sulfur compounds. This existing system serves 7,884 households in four municipalities.</p> <p>This assistance is available to eligible homeowners who do not have access to a public sewage system and need to repair or replace their individual on-lot sewage disposal system.</p>
Onlot Program		