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# Navigating through the State Revolving Fund (SRF)

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# PRESENTING

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**Eleni Giannikopoulos**  
Client Development Department Manager  
Suburban Consulting Engineers, Inc.

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# OUTLINE OF TOPICS

## WHAT WE'LL DISCUSS

START WITH CONCLUSION – Available Funding!

Sources of Funding

What to Expect

Program Outline and Milestone Approvals

H2Loan On-Line Application



# SFY23 PRINCIPAL FORGIVENESS (PF) OPPORTUNITIES

Drinking Water PF	Principal Forgiveness Share	Principal Forgiveness Cap per Applicant	Projected Amount of PF Available
Nano (serving ≤ 10,000 customers)	50%	\$500,000	\$8M
Very Small Water System (serving ≤1,000 customers)	100%	\$750,000	\$3M
Lead Line Replacement	50%	\$5M	\$25M**
Emerging Contaminants* (including PFAS)	100%	\$1M	\$17M**
High Rank Affordability Projects	100%	\$1M	\$5M
General Supplemental PF* (Lead or PFAS)	Per above	Per above	\$10M
Climate Change/Resilience or Projects to comply with Multiple MCLs (ARPA)	80%	\$20M	\$45M

**Amount available to be used in SFY23 or rolls over to the next year.**

\* This total includes the transfer the \$3,821,000 from the Clean Water Emerging Contaminants allocation to the DW SRF in SFY 2023 to be used for projects that address emerging contaminants in drinking water.

\*\* Once the principal forgiveness funds for emerging contaminants (\$13 million) and lead line replacement (\$25 million) have been allocated to higher ranked projects, \$10 million in principal forgiveness from the DWSRF Supplemental Funds will be directed in priority ranked order to qualifying lead or PFAS projects in other disadvantaged communities that meet NJ's affordability criteria in Appendix 3.

**PFAS is eligible for Any Applicant – Priority for Affordability Applicants**

# SFY23 PRINCIPAL FORGIVENESS (PF) OPPORTUNITIES

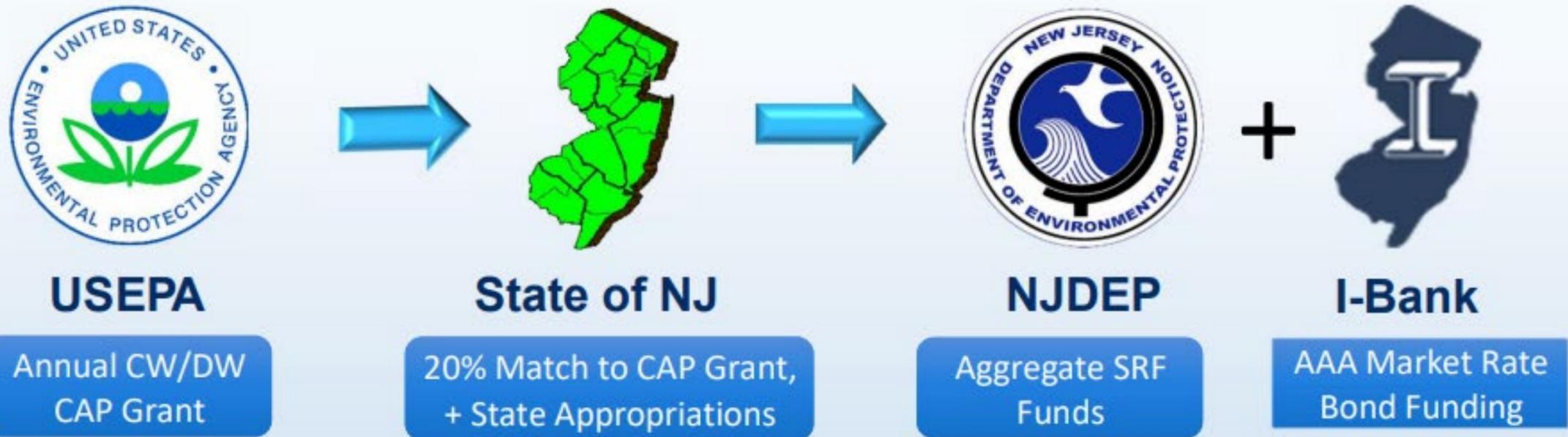
Clean Water PF	Principal Forgiveness Share	Principal Forgiveness Cap per Applicant	Projected Amount of PF Available
CSO LTCP ARPA Projects	80%	No Cap	\$248M
CSO Abatement	50%	\$5M**	\$30M*
CSO Abatement in Communities that meet the CWSRF Affordability Criteria	100%		\$30M*
Water Quality Restoration	50%	\$2.5M	\$6M
Affordability Criteria	100%	\$2M	\$36M
Energy and Water Efficiency Projects	50%	\$2M	\$10M
Overflow and Stormwater Grant (OSG) CW SRF PF Loans***	20%	\$0.2M	\$1M

Amount available to be used in SFY23 or rolls over to the next year.

Word on the Street this Category is Nearly fully Accounted For in SFY23

PF is restricted per applicant / per State Fiscal year. That is \$2M per year..

# SRF 101 – Water Bank Sources and Uses of Funds



## Projects



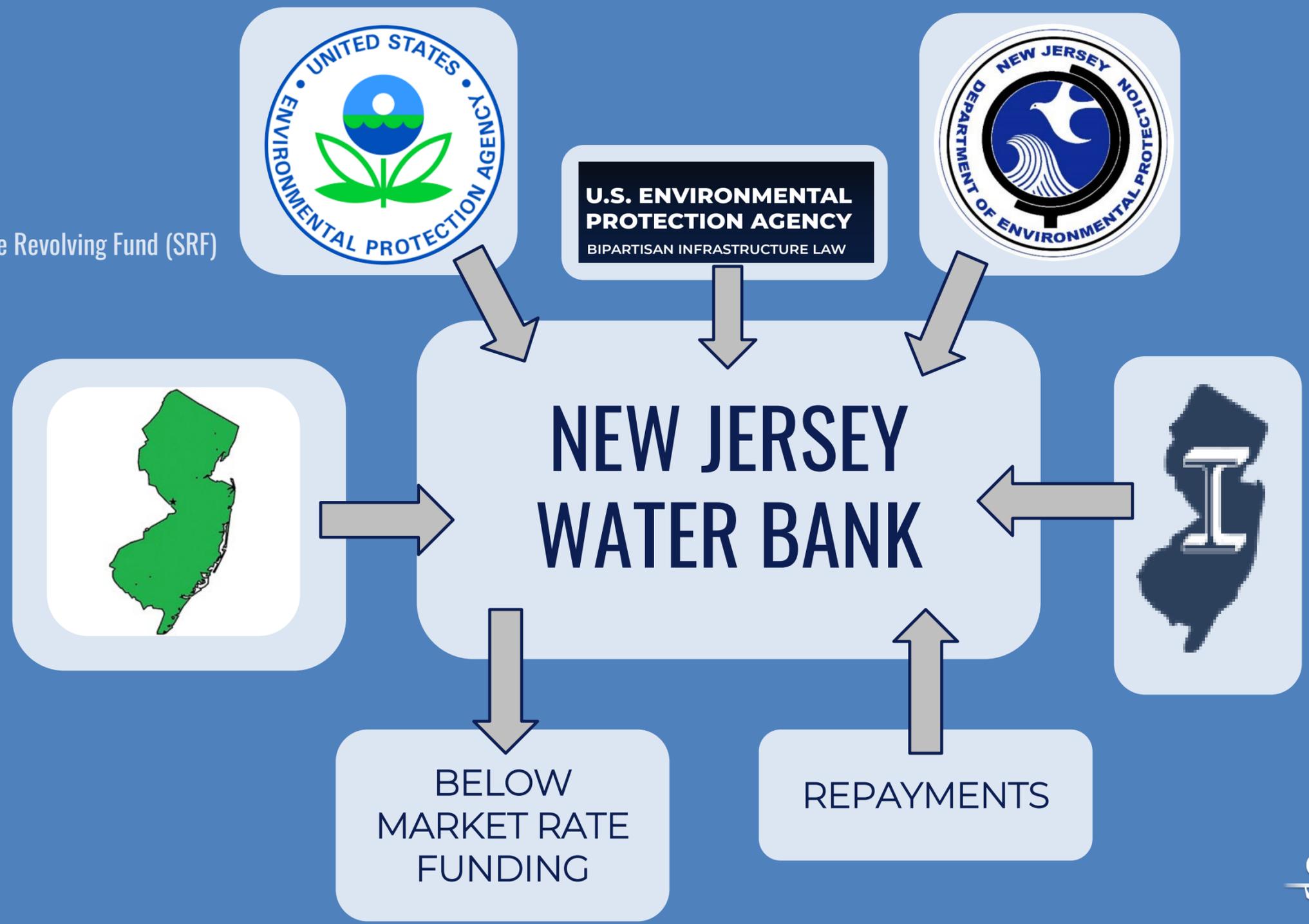
**New Jersey  
Water Bank  
(SRF Program)**

# SOURCES OF FUNDING

Bipartisan Infrastructure Law (BIL) + SRF  
=  
Water Infrastructure Investment Water Plan (WIIP)



State Revolving Fund (SRF)



# THE INTENDED USE PLAN (IUP)

- Annual EPA Requirement - December
- Open to public comment - January
- Condensed Information on Program
- Interactive Links
- Pictures, charts, and graphics
- Project Ranking Methodology
- Type
- Affordability
- Regulatory concerns

Available at <https://www.nj.gov/dep/dwq/cwpl.htm>

**EXECUTIVE SUMMARY**

Protecting and enhancing New Jersey's water quality and water infrastructure is vital to the State's health and economy. While often taken for granted, significant planning and investment is required to sustain and improve New Jersey's aging infrastructure systems. That cost often exceeds the capabilities of local sewer utilities. New Jersey's Water Bank is a permanent low-cost financing program available for an extensive range of water quality infrastructure projects. The Department administers New Jersey's Clean Water SRF (CWSRF) and Drinking Water SRF (DWSRF) under the federal Clean Water Act and Safe Drinking Water Act, respectively.

Established in 1988, the Water Bank is a partnership between the NJDEP and the I-Bank to provide low-cost financing for the design, construction, and implementation of projects that help to protect, maintain, and improve water quality. It is a revolving/self-perpetuating loan program, in that SRF loan repayments are committed to finance future projects in perpetuity.

The priorities and policies of the Department are established through this IUP. Clean Water projects eligible for financing include a wide variety of wastewater treatment works, stormwater management, land acquisition, and landfill activities. In SFY 2022, the Program will continue to offer very attractive low-cost financing packages, including principal forgiveness (or grant-like funding) and low interest loans for high priority projects. For SFY 2022, the Water Bank CWSRF base program will consist of a financing package that results in a blended interest rate of 50% of the I-Bank AAA market rate with opportunities for principal forgiveness. Prior to long-term funding, projects are encouraged to seek a short-term loan from the I-Bank for activities from planning through construction completion.

**WHAT'S NEW IN 2021!**

- The Department will commit an additional \$10 million in principal forgiveness funds to address the impact of harmful algal blooms (HABs). These funds will be allocated to projects throughout the state that will eliminate, prevent, or reduce documented occurrences of shellfish bed downgrades, beach closings and advisories due to the presence of HABs. If there is insufficient demand from eligible HAB projects, unallocated funds may be used for projects that address shellfish bed downgrades, beach closings and advisories due to the presence of pathogens.
- The Water Bank anticipates using WIFIA funds for a portion of the I-Bank share of long-term loans. The funds are expected to be available to the I-Bank at a lower interest rate than market rate bonds, thereby freeing up a portion of the DEP share normally allocated to projects. Therefore, long term funding packages are no longer represented in terms of a "DEP Interest Free Share" and an "I-Bank Market Rate Share" but instead as a blended interest rate consisting of a percentage of I-Bank's AAA Market Interest Rate. For example, a long-term funding package that previously was described as consisting of a 75% DEP Interest-Free Share and a 25% I-Bank Market-Rate Share is now described as a "Blended Interest Rate of 25% of I-Bank's AAA Market Interest Rate".
- New Jersey has been allocated \$3,851,714 by EPA under the Sewer Overflow and Stormwater Reuse Grants Program (OSG). This program is intended to address infrastructure needs for combined sewer overflows (CSO), sanitary sewer overflows (SSO), and stormwater management and is being made available to award grants to states to make sub-awards to eligible entities for eligible projects. The Federal share of the cost of activities carried out using OSG money shall be not less than 80 percent of the cost and at least 20% of a state's allocation must be used for green infrastructure, water and

**RESTORATION AND DRINKING WATER PROJECTS FOR FISCAL YEARS 2017, 2018, 2019, 2020, 2021 - 2022**

Intended Use Plans for Federal Fiscal Years 2017, 2018, 2019, 2020, 2021 - 2022, with the required 30-day comment period, were published on December 15, 2020.

As defined in applicable IUPs and as detailed below, refers to a 25%, 50%, 75% combined with a market rate (e.g. 25%, 50%, 75%). The Department's adherence to the established interest rates. For these projects, the Department, inclusive of WIFIA funds, will be financing with the I-Bank's interest-free loan funds at the rate of the I-Bank's AAA Market Interest Rate.

The Department included a pool of Water Bank ("SFY") 2021. Borrowers were eligible for the WIFIA program and Water Bank projects with Water Bank long-term financing for the fiscal year ("FFY") 2017, 2018, 2019, 2020, 2021, and 2022.

Restoration Projects will be financed under the Base Rate of the I-Bank's AAA Market Interest Rate, but not at a rate no greater than would have resulted from the I-Bank's AAA Market Interest Rate and a 75% share of the Department's share of the cost of the project.

and runoff from new publicly-owned landfill cells.

**OPPORTUNITIES**

Principal Forgiveness Cap per Applicant	Projected Amount of PF Available
\$2M	\$17M
\$2.5M	\$2.6M*
\$2M	\$34M**
\$0.2M	\$1M

The result of blending WIFIA loan funds into a loan package is that less of the Department's SRF will be needed to achieve the same interest rate as if WIFIA loan funds were not used. The Water Bank intends to use these saved SRF monies to fund additional projects that would otherwise be outside the fundable range of the Water Bank. To learn more about the potential savings offered by using WIFIA loan funds, a detailed case study developed by I-Bank and entitled "NJ Water Bank - Base Rate Case Study" is available on the I-Bank website.

\*\*\*OSG CW SRF PF Loans will be awarded to CWSRF projects that receive an Overflow and Stormwater Grant. The OSG will cover 80% of the project costs (capped at \$1 million) and the OSG CW SRF PF Loan will cover 20% of the project costs. OSG/OSG CW SRF PF Loan project costs are capped at \$1 million. Costs in excess of \$1 million may be eligible for funding and PF under the CSO Sewershed - Grey and Green Infrastructure category.

# WHAT ARE FISCAL YEARS?

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## **New Jersey Fiscal Year**

**starts July 1<sup>st</sup> and ends June 30<sup>th</sup>**



**State Fiscal Year (SFY) 2023:  
July 1, 2022 to June 30, 2023**

## **Federal Fiscal Year**

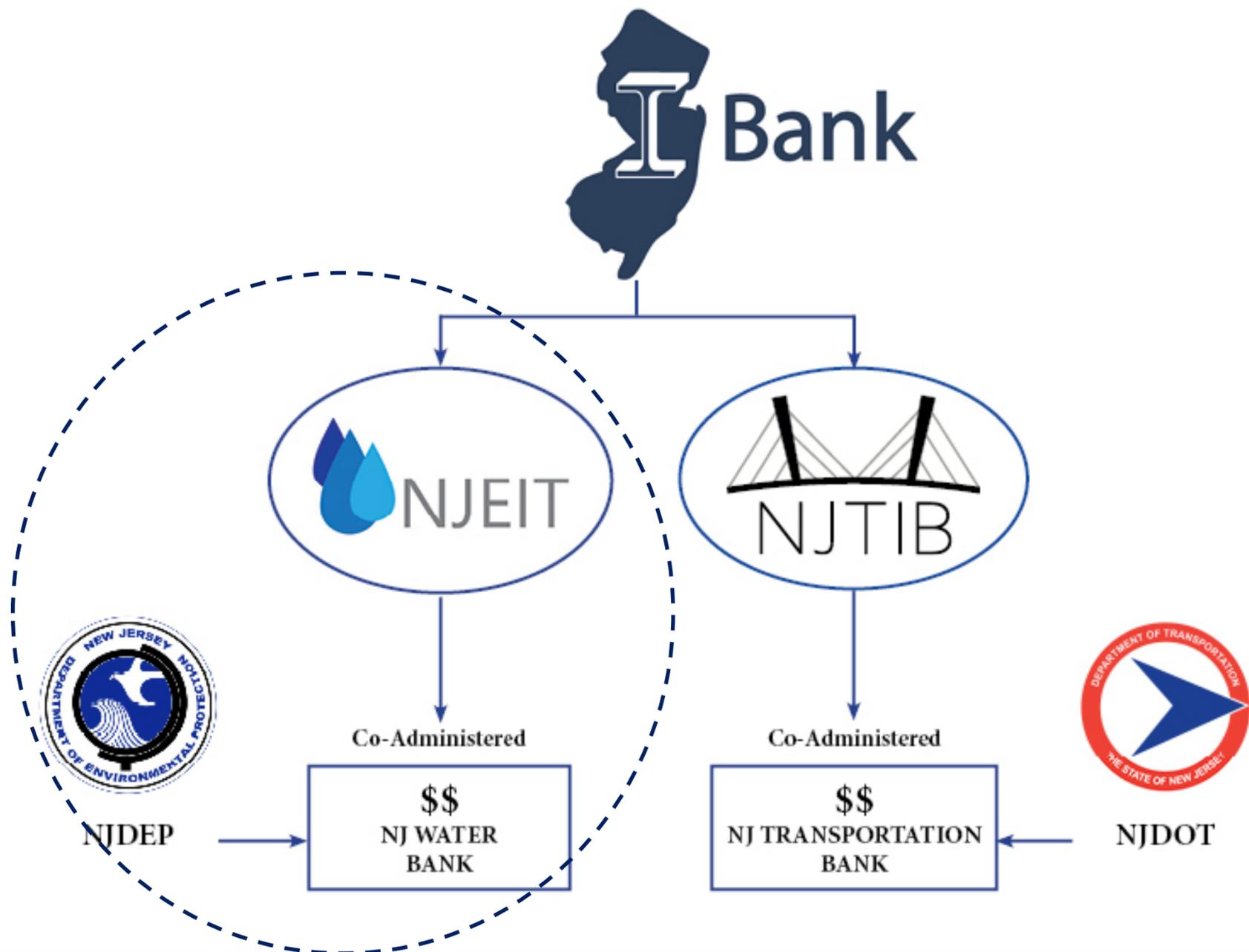
**starts October 1st and ends September 30th**



**Federal Fiscal Year (FFY) 2022:  
Oct. 1, 2021 to Sept. 30, 2022**

# NJ INFRASTRUCTURE BANK

New Jersey Infrastructure Bank's Flow Chart



## Mission:

Provide and Administer low interest rate loans to qualified borrowers (counties, regional authorities, municipalities, and water purveyors) in New Jersey for the purpose of financing water quality and local transportation infrastructure projects.

# SRF PROCESS

**STEP 1:** Create Project

**STEP 2:** Submission of Project via H2LOans

**STEP 3:** Submission of Letter of Intent  
▪ Including Environmental Decision Document (EDD)

**STEP 4:** Submission of Loan Application  
▪ Including Engineering Design & Specifications

**STEP 5:** Submission of SED Participation During  
Planning & Design for Contracting Agencies  
(OEO-001 Form)

**STEP 6:** Submission of Revised & Detailed  
Project Information  
▪ Project Costs & Draw Schedule

**STEP 7** Submission of Bid Package  
▪ Comprising of construction bids received upon  
DEP's Issuance of an Authorization to Advertise

# Typical Project Timeline



# SRF Project Timeline





# Welcome to the H<sub>2</sub>LOans Application System

## Getting Started

### Application Process Overview

Click [here](#) to get a brief overview about the H<sub>2</sub>LOans application process.

### Did You Know?

Short-term loans for total estimated project costs including planning (other related soft costs and construction) are now available at the time of execution of the contract for engineering design. Funding is committed upon the program's approval of each operable segment. To secure a Line of Credit Loan, you will need to submit Application Part 1, the STFAF, Form LP-6A (Contractor Form) and the executed engineering design contract as discussed in subsequent pages of this initial submission. The opportunity to fund in this manner is available throughout the application process. **Call 609-219-8600 between 8 am and 5 pm Monday through Friday with any questions.**

The advantages of entering all your capital program environmental infrastructure projects in H<sub>2</sub>LOans can be found [here](#).

### How to Get Started?

# H<sub>2</sub>LOans APPLICATION SYSTEM



# Welcome to the H<sub>2</sub>LOans Application System

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The advantages of entering all your capital program environmental infrastructure projects in H<sub>2</sub>LOans can be found [here](#).

### How to Get Started?

#### Create Project (Application Step 1):

As an Authorized Representative, you may begin step 1 of the environmental infrastructure loan application process by clicking the "Create Project" button below.

Create Project

# H<sub>2</sub>LOans APPLICATION SYSTEM STEP 1

## Project Contacts

### Project Contacts

#	Name	Email	Phone	Role	Actions
+	Kathryn M. Stacknick	kstacknick@suburbanconsulting.com	973-398-1776	Authorized Billing Representative	<a href="#">x Remove</a>
+	Eleni Giannikopoulos	eleni.g@suburbanconsulting.com	973-398-1776	Authorized Billing Representative	<a href="#">x Remove</a>
+	Kathy Olsen	hamptonfinance@earthlink.net	908-735-2275	Authorized Representative	
+	Matthew D. Jessup	mjessup@msbnj.com	973-622-4850	Borrower Bond Counsel	<a href="#">x Remove</a>
+	Elizabeth Manuel	emanuel@msbnj.com	973-622-5280	Borrower Bond Counsel	<a href="#">x Remove</a>
+	David A. Chanda	dchanda@suburbanconsulting.com	973-398-1776	Consulting Engineer	<a href="#">x Remove</a>
+	Eleni Giannikopoulos	eleni.g@suburbanconsulting.com	973-398-1776	Consulting Engineer	<a href="#">x Remove</a>
+	Rohini C. Gandhi	rohini.gandhi@dep.nj.gov	609-940-4086	SED Reviewer (North)	
+	Nanatte Mathis Bridgett	nanatte.mathis-bridgett@dep.nj.gov	609-940-4086	SED Reviewer (North)	

+ Create New User

+ Add Contact



# STEP 1 MILESTONE

## ✓ ASSIGN COLLABORATORS

🏠 > Project Details

### Project Details

#### Details

##### Project Overview

**Project Type:** Unknown  
**Project Rank:** N/A  
**Project Sponsor:** Hopewell Township  
**Project Number:** PID-4141  
**Project Name:** Hiohela Pond Dredging Project

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##### Description

Not Available

##### Service Area

Not Available

##### Water Quality Need

Not Available

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#### Project Contacts

##### Project Contacts

#	Name	Email	Phone	Role
+	Elaine Borges	eborges@hopewelltp.org	609-537-0225	Authorized Representative (Backup)
+	Douglas J. Chabrak	dchabrak@suburbanconsulting.com	973-398-1776	Consulting Engineer
+	John Chayko	jchayko@suburbanconsulting.com	973-398-1776	Consulting Engineer
+	Eleni Giannikopoulos	eleni.g@suburbanconsulting.com	973-398-1776	Consulting Engineer
+	Alexa S. Iannelli	aiannelli@msbnj.com	973-681-7969	Borrower Bond Counsel
+	Christopher B. Langhart	clanghart@msbnj.com	973-622-4855	Borrower Bond Counsel
+	Erin K. Law (inactive)	elaw@msbnj.com	973-622-4866	Borrower Bond Counsel
+	Julie Troutman	jtroutman@hopewelltp.org	609-537-0234	Authorized Representative

# H<sub>2</sub>L0ans APPLICATION SYSTEM STEP 1

The screenshot shows a vertical navigation menu with a dark blue sidebar on the left containing icons for Home, Global, Search, and Lists. The main menu area is light blue and contains the following items:

- < Collapse Navigation
- Project Details
- Project Management
- Request Pre-Planning Meeting** (highlighted with a red oval)
- Switch Authorized Representative
- Request Inactivation
- Application Documents
- Permits Management
- Project Costs
- File Uploads
- Loan Exhibits
- Requisitions

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# H<sub>2</sub>LOans MEETING REQUEST

## NEW APPLICATIONS & COMPLEX PROJECTS

### Pre-Planning Meetings

- When? Before you design the project
- Why? Learn about the program and approvals required
- How? H2LOans
- Who? LGU, advisors, all NJ Water bank groups

### Regular Status Meetings for large or complicated or multiple projects

- Why? Keeps everyone informed, on track/avoids surprises

## My Projects

Here is the list of all the Projects that are associated with your account. You can manage each specific Project by clicking the Project No. below.

### Project Type

Active Projects

↺ Reset

Sorted By: Primary Sponsor ASC ✕

Then By: Project No. ASC ✕

Primary Sponsor ^	Project No. ^	Project Name ⇅	Role(s) ^
Glen Ridge Borough	0708001-007	Water System Asset Management Plan	Consulting Engineer
Glen Ridge Borough	0708001-008	GR-2017-LSL-R/FH-RR Lead Service Water-Line Replacement/Fire Hydrant - Repairs & Replacement & Water System Asset Management Plan	Authorized Billing Representative Consulting Engineer
Glen Ridge Borough	PID-2275	Sewer Cleaning Truck	Consulting Engineer
Glen Ridge Borough	S340861-03	GR-Procurement-Sewer Cleaning Truck	Consulting Engineer
Glen Ridge Borough	S340861-04	GR-2017-SSR Sanitary Sewer Rehabilitation & Sanitary Sewer Collection System Asset Management Plan	Authorized Billing Representative Consulting Engineer
Hackensack City	S340923-13	The Long Term Control Plan and CSO Sewer Separation Efforts (Phase 3)	Authorized Billing Representative Consulting Engineer
Hackensack City	S340923-14	Sewer Separation to Support Main Street Redevelopment	Authorized Billing Representative Consulting Engineer
Hackensack City	S340923-15	Stormwater Infrastructure Improvements 2020	Authorized Billing Representative Consulting Engineer
Hampton Borough	1013001-001	New back up well 5 to address firm capacity requirements	Consulting Engineer
Hopewell Township	1106001-001	Water System Improvements	Consulting Engineer
Hopewell Township	PID-4141	Hiohela Pond Dredging Project	Consulting Engineer
Hopewell Township	S340282-03	Sanitary Sewer System Asset Management Plan - Sewer Rehabilitation Projects	Consulting Engineer
Lambertville Municipal Utilities Authority	S340882-09	WWTP rehab work	Consulting Engineer

« « 1 2 » »

# H<sub>2</sub>L0ans APPLICATION SYSTEM STEP 2

## Project Information

# H<sub>2</sub>L0ans APPLICATION SYSTEM STEP 2

## Project Information

### Additional Info Part 1 - Basic Information ^

#### Project Types ?

Lead Service Lines Replacement (LSLR) (Drinking Water) ▾

- The project or portion thereof will be specifically designed to reduce total energy consumption or recover previously wasted energy. Please explain in the project description section below.

#### Please enter a description for the project: ?

The Borough currently has 60 known galvanized pipe service lines in need of replacement from main to dwelling. The Borough is seeking to maximize Principal Forgiveness / Grants and address in a single project. It should be noted, while there are no overburdened community census blocks in the Borough, the MHI is far less than the State Average.

#### PWSID #

1013001

#### When is funding being sought for this project?

2022-05

#### The date in which you intend to commence construction of the project

2023-04-11

# STEP 2 MILESTONE

## ✓ PROJECT RANKING

### STATE OF NEW JERSEY FINAL AMENDMENTS TO THE FINAL DWSRF PROJECT PRIORITY LIST FOR FEDERAL FISCAL YEAR 2021 (and SFY 2022)

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Estimated Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Rank Points
1	Newark City	<a href="#">0714001-012</a>	Construction of a cover for the Cedar Grove Reservoir	285,000	\$50,000,000	\$12,730,000	\$62,730,000	500	50	20	0	0	0	80	2.85	652.85
2	Passaic Valley Water Commission	<a href="#">1605002-024</a>	Installation of a 2.0 MG storage tank next to existing Verona storage tank	347,052	\$2,970,000	\$1,566,800	\$4,536,800	500	0	20	0	0	0	80	3.47	603.47
3	Passaic Valley Water Commission	<a href="#">1605002-014</a>	Levine Reservoir Water Storage Improvements - Phase 1	314,900	\$17,142,000	\$5,186,920	\$22,328,920	500	0	20	0	0	0	80	3.15	603.15
4	Newark City	<a href="#">0714001-020</a>	Phase-2 Lead Service Line Replacement (LSLR) Project	280,139	\$12,989,172	\$418,386	\$15,693,186	250	50	20	0	5	0	80	2.9	407.9
5	Trenton City	<a href="#">1111001-011</a>	Lead Service line replacement	391,000	\$13,000,000	\$2,900,000	\$15,900,000	250	50	15	0	5	0	80	3.91	403.91
6	Newark City	<a href="#">0714001-019</a>	Phase-1 Lead Service Line Replacement (LSLR) Project	280,139	\$6,000,000	\$1,528,353	\$7,528,353	250	50	15	0	5	0	80	2.8	402.8
8	Hopatcong Borough	<a href="#">1912001-009</a>	Installation of 48-inch pipe at wells to increase chlorine contact time at nine wells	7,900	\$750,000	\$525,000	\$1,275,000	350	0	15	0	0	0	0	0.08	365.08
9	Newark City	<a href="#">0714001-021</a>	Phase 3-10 Lead Service Line Replacement (LSLR) Project	280,000	\$120,000,000	\$100,000	\$144,929,550	250	0	20	0	5	0	80	2.94	357.94
10	Passaic Valley Water Commission	<a href="#">1605002-002</a>	Lead Service Line Replacement in Main System	306,707	\$21,918,500	\$66,200	\$26,302,200	250	0	15	0	5	0	80	3.1	353.1
10	Passaic Valley Water Commission	<a href="#">1605002-026</a>	PVWC Lead Service Line Replacement	147,000	\$1,400,000	\$578,000	\$1,978,000	250	0	20	0	0	0	80	3.1	353.1
11	New Brunswick City	<a href="#">1214001-005</a>	Water Treatment Plant Improvements	50,000	\$10,435,000	\$3,443,100	\$13,878,100	250	0	15	5	0	0	80	0.55	350.55
12	Orange City	<a href="#">0717001-011</a>	Orange Twp PFOA in Well 8 Drinking Water System	30,731	\$1,200,000	-	\$1,550,000	250	0	0	5	5	0	80	0.3	340.3
12	Orange City	<a href="#">0717001-013</a>	Orange Twp   Well 5 Rehabilitation Project	30,731	\$500,000	\$173,000	\$700,000	250	0	0	5	5	0	80	0.3	340.3
12	Orange City	<a href="#">0717001-015</a>	Orange Twp IPFAS in Well 7 Drinking Water System	32,000	\$1,200,000	\$200,000	\$1,440,000	250	0	0	5	5	0	80	0.3	340.3
13	Newark City	<a href="#">0714001-022</a>	PROCESS AND OPERATIONAL UPGRADES AT THE PEQUANNOCK WATER TREATMENT PLANT	280,000	\$18,729,224	\$191,412	\$22,551,069	250	0	0	0	0	0	80	2.94	332.94
15	North Shore Water Association	<a href="#">1904004-001</a>	Existing Well Requires Replacement	105	\$360,000	\$115,000	\$475,000	300	0	20	0	0	0	0	0	320
17	Bloomfield Township	<a href="#">0702001-003</a>	Lead Service Line Replacement	47,982	\$875,000	\$1,440,000	\$1,098,395	300	0	0	5	0	0	0	0.47	305.47
18	NJ American Water Company, Incorporated	<a href="#">1345001-017</a>	Oak Street Treatment Plant Improvements	290,470	\$4,239,000	\$2,763,840	\$7,002,840	250	50	0	0	0	0	0	2.9	302.9
19	Aqua New Jersey Incorporate	<a href="#">1103001-005</a>	Addition of radium treatment at Well 9 to resolve MCL exceedance	49,000	\$583,100	\$418,226	\$1,001,326	250	50	0	0	0	0	0	0.49	300.49
21	North Shore Water Association	<a href="#">1904004-004</a>	Water System Refurb	105	\$100,000	\$145,400	\$245,400	300	0	0	0	0	0	0	0	300

# H<sub>2</sub>LOans APPLICATION SYSTEM

## STEP 3

h2loans.com/h2project/4141/application-documents

Project Details > Application Documents

### Application Documents

Complete and Manage your Application Documents.

**Project Information**

**Project Sponsor:** Hopewell Township  
**Project Number:** PID-4141  
**Project Name:** Hiohela Pond Dredging Project  
**Project County:** Mercer

**Available Application Documents**

Document	Action
Project Information (Application Step 2)	<a href="#">Edit Document</a>

**Application History**

Document	Last Submitted On	View
No document history found.		

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# SAMPLE PROJECT COSTS CALCULATIONS

## Town of Sunshine Water Department

ENGINEER'S COST ESTIMATE

PROJECT NAME: TREATMENT PLANT UPGRADES

LOCATION: TOWN OF SUNSHINE, COUNTY OF HAPPY, STATE OF NEW JERSEY

ITEM NO.	DESCRIPTION	BID QTY	UNIT	UNIT PRICE	TOTAL PRICE
A-1	MOBILIZATION (NOT TO EXCEED 5% OF THE CONTRACT AMOUNT)	1	LS	\$ 40,000.00	\$ 40,000.00
A-2	SITE WORK				\$ 220,000.00
	SOIL EROSION AND SEDIMENT CONTROL	1	LS	\$ 5,000.00	\$ 5,000.00
	SITE CLEARING	1	LS	\$ 5,000.00	\$ 5,000.00
	SELECTIVE DEMOLITION (BUILDING AND PIPING)	1	LS	\$ 185,000.00	\$ 185,000.00
	SITE EXCAVATION AND BACKFILL	1	LS	\$ 25,000.00	\$ 25,000.00
A-3	FURNISH AND INSTALL COMPLETE PRESSURE FILTRATION SYSTEM				\$ 2,094,500.00
	PRESSURE FILTRATION SYSTEM (INCL 6 VERTICAL TREATMENT VESSELS, PROCESS VALVES AND PIPING, CHEMICAL FEED TANK AND PUMPS)	1	LS	\$ 1,250,000.00	\$ 1,250,000.00
	BACKWASH RECYCLE SYSTEM (INCL (2) CONE BOTTOM TANKS & RECYCLE PUMPS)	1	LS	\$ 200,000.00	\$ 200,000.00
	SLUDGE STORAGE SYSTEM (INCL (1) TANK, SLUDGE PUMP)	1	LS	\$ 50,000.00	\$ 50,000.00
	INTERIOR PROCESS PIPING AND APPURTENANCES	1	LS	\$ 75,000.00	\$ 75,000.00
	ELECTRICAL PANELS, EQUIPMENT, MATERIALS AND CONNECTION UPGRADES	1	LS	\$ 150,000.00	\$ 150,000.00
	ELECTRICAL UTILITY SERVICE	1	LS	\$ 15,000.00	\$ 15,000.00
	INSTRUMENTATION AND CONTROLS UPGRADE	1	LS	\$ 200,000.00	\$ 200,000.00
	CONCRETE FLOOR COATING	1	LS	\$ 4,500.00	\$ 4,500.00
	COLUMNS AND CONCRETE FLOOR UPGRADES	1	LS	\$ 50,000.00	\$ 50,000.00
	EQUIPMENT HOUSEKEEPING PADS	5000	SF	\$ 20.00	\$ 100,000.00

BASE BID TOTAL: \$ 2,354,500.00

CONTINGENCIES (10%): \$ 235,450.00

SUB-TOTAL PROJECT COST: \$ 2,589,950.00

ENGINEERING PLANNING AND DESIGN: \$ 244,500.00

ENGINEERING - BID & CONSTRUCTION PHASE SERVICES: \$ 258,995.00

**TOTAL PROJECT COSTS: \$ 3,093,445.00**

# H<sub>2</sub>LOans Project Costs Calculations

h2loans.com/h2project/4345/form/edit/6411/1

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XXII	Replace water meters	\$	%	%	100%
XXIII	Redevelop Wells, New Wells, or Rehabilitate Surface Water Sources	\$	%	%	
XXIV	Other	\$	%	%	
	<b>Building Costs (Total)</b>	\$			

	Total Project Cost During Construction
1. Building Costs (Total) ⓘ	\$ 2,354,500.00
2. Soft Costs - Contingencies (5% of line No. 1) ⓘ	\$ 117,725
3. Soft Costs - Administrative Expenses (3% of Line No. 1) ⓘ	\$ 70,635
4. Soft Costs - Engineering Fees (12% of Line No. 1) ⓘ	\$ 282,540.00
5. Soft Costs - Planning and Design <small>Funds will only be disbursed based on actual invoices received ⓘ</small>	\$ 244,500.00
6. Other Costs ⓘ	\$
<b>7. Total Project Costs</b>	<b>\$ 3,069,900.00</b>

**Basis of cost estimate**

Preliminary Cost Estimate - per Asset Management Plan

**Cost estimation date**

2021-04-01

# PRINCIPAL FORGIVENESS CATEGORIES SFY23



**Bipartisan Infrastructure Law (BIL)**

**+**

**State Revolving Fund (SRF)**

**=**

**Water Infrastructure Investment Plan (WIIP)**

# DRAFT SFY23 IUP – MAIN CHANGES

## Determining SRF Affordability



- Project Median Household Income Factor – Proj. Unemployment Factor – Proj. Population Trend Factor = 80 or less

- 35% of the households served by the project, qualify as low-income households (at or below 2x the poverty threshold).

# DETERMINING SRF AFFORDABILITY

## Part 1: (MHI – UE – Population Trend = <80%)

The screenshot shows the website for the State of New Jersey Department of Community Affairs. The page title is "Municipal Revitalization Index". The breadcrumb trail is "Home > Municipal Revitalization Index". The main heading is "Municipal Revitalization Index". The text describes the MRI as the State's official measure and ranking of municipal distress, based on eight indicators. Two links are highlighted in yellow: "2020 MRI Table and Ranking [xlsx]" and "2017 MRI Report [pdf]". The left sidebar contains a navigation menu with items like Home, About DCA, Divisions & Offices, etc.

### APPENDIX 2: DRINKING WATER AFFORDABILITY CRITERIA

Section 603(i)(2) of WRRDA requires States to develop affordability criteria that will assist in identifying applicants that would have difficulty financing projects without additional subsidization. The law requires that states establish affordability criteria by September 30, 2015, after providing notice and an opportunity for public comment, which is being accomplished through this new feature of NJ's DWSRF Intended Use Plan.

In New Jersey, those applicants that meet either of the following two criteria are considered to have satisfied the State's **DWSRF Affordability Criteria**:

1. **Project Affordability Score** of 80 or less; or
2. The project is eligible to receive 80 **Environmental Justice Economic Overburdened Community Criteria** DWSRF ranking points.

**Project Affordability Score = Project Median Household Income (MHI) Factor – Project Unemployment (UE) Factor – Project Population Trend (PT) Factor**

Project MHI Factor =  $100 \times (\text{Project MHI} / \text{State MHI})$   
Project UE Factor = 1 if Project Unemployment Rate > State Unemployment Rate  
Project UE Factor = 0 if Project Unemployment Rate < or = State Unemployment Rate  
Project PT Factor = 1 if Project Population Trend < State Population Trend  
Project PT Factor = 0 if Project Population Trend > or = State Population Trend

Project Unemployment Rate is equal to weighted unemployment rate of the project service area using service area populations and county unemployment data. Calculation is similar to weighted MHI example below.

Project Population Trend is equal to the weighted population trend for the project service area using service area populations and municipal population trend data. Calculation is similar to weighted MHI example below.

Consideration will be given for projects with a qualifying service area population within a municipality that does not meet the DWSRF Affordability Criteria.

**NOTE:** Population trend data and Municipal MHI data is from DCA's MRI worksheet, found at: <https://www.nj.gov/dca/home/MuniRevitIndex.html>.

State MHI data is from <https://www.census.gov/quickfacts/NJ>. Unemployment data is from [https://www.nj.gov/labor/lpa/employ/uirate/fmth\\_2010-2020.xlsx](https://www.nj.gov/labor/lpa/employ/uirate/fmth_2010-2020.xlsx)

A weighted MHI is calculated for a project sponsor whose drinking water system serves more than one municipality, as shown in the example below. Population served is based on the permanent population of the water system service area.

# DETERMINING SRF AFFORDABILITY

## Part 1: Is the Municipality's MHI 80% Less? (<\$68,196)

2020 Municipal Revitalization Index - Alphabetical																												
		Residential Desirability											Social Indicators						Economic Indicators						Education Indicator			
1 = most distressed, 565 = least distressed		Pop. Change (2009-2019)			Non-Seasonal Housing Vacancy Rate (2019)			% w SNAP Benefits (2019)			Children on TANF Rate (2020)			Poverty Rate (2019)			Median Household Income (2019)			Unemployment Rate (2019)			HS Diploma or Higher (2019)					
		Weighted at 0.25 each											Weighted at 1 each															
		Retained			New			New			Retained			New			New			Retained			New					
Municipality	County	MRI Score	MRI Distress Score	MRI Rt	Rank	Index	Value	Rank	Index	Value	Rank	Index	Value	Rank	Index	Value	Rank	Index	Value	Rank	Index	Value	Rank	Index	Value			
Aberdeen township	Monmouth	2.77	19.7	389	510	1.08	6.5%	422	0.57	3.9%	372	0.56	2.5%	345	0.24	0.2	427	0.67	3.6%	352	0.12	101,363	224	0.08	3.4%	433	0.70	96.4%
Absecon city	Atlantic	-3.04	37.8	118	490	0.86	5.1%	140	-0.32	8.6%	119	-0.45	9.0%	53	-0.37	2.7	202	-0.03	7.7%	135	-0.73	70,393	83	-0.80	4.6%	110	-0.60	88.7%
Alexandria township	Hunterdon	3.73	16.7	439	142	-0.52	-3.6%	187	-0.12	7.5%	535	0.95	0.0%	326	0.22	0.2	500	0.87	2.4%	450	0.77	124,931	399	0.59	2.7%	356	0.48	95.1%
Allamuchy township	Warren	3.27	18.1	415	532	1.36	8.3%	445	0.63	3.6%	501	0.83	0.8%	390	0.27	0.0	415	0.65	3.7%	265	-0.24	88,444	317	0.37	3.0%	500	0.93	97.8%
Allendale borough	Bergen	6.03	9.5	544	470	0.63	3.7%	324	0.29	5.4%	517	0.87	0.5%	291	0.20	0.3	540	1.01	1.6%	541	2.03	170,968	399	0.59	2.7%	526	1.00	98.2%
Allenhurst borough	Monmouth	4.98	12.8	510	69	-0.85	-5.7%	336	0.32	5.2%	401	0.62	2.2%	390	0.27	0.0	545	1.04	1.5%	387	0.26	106,406	547	1.10	2.0%	499	0.92	97.8%
Allentown borough	Monmouth	3.76	16.6	440	171	-0.44	-3.1%	536	1.02	1.5%	497	0.82	0.8%	225	0.14	0.6	504	0.88	2.4%	384	0.24	105,938	507	0.88	2.3%	460	0.78	96.9%
Alloway township	Salem	0.24	27.6	249	230	-0.26	-2.0%	72	-0.81	11.2%	432	0.69	1.7%	138	-0.01	1.2	409	0.64	3.8%	278	-0.19	90,000	125	-0.44	4.1%	204	-0.06	91.9%
Alpha borough	Warren	-1.45	32.8	173	71	-0.83	-5.6%	60	-1.00	12.2%	271	0.27	4.4%	71	-0.25	2.2	283	0.26	6.0%	146	-0.68	72,463	201	0.00	3.5%	137	-0.39	89.9%
Alpine borough	Bergen	4.21	15.2	466	267	-0.15	-1.2%	311	0.25	5.6%	519	0.87	0.5%	390	0.27	0.0	227	0.06	7.2%	470	0.93	130,962	556	1.25	1.8%	250	0.10	92.8%
Andover borough	Sussex	0.35	27.2	253	25	-1.19	-7.9%	47	-1.12	12.8%	434	0.70	1.6%	390	0.27	0.0	430	0.68	3.6%	96	-0.89	64,653	201	0.00	3.5%	305	0.32	94.1%
Andover township	Sussex	1.18	24.6	298	36	-1.09	-7.2%	345	0.34	5.1%	446	0.71	1.5%	390	0.27	0.0	261	0.19	6.4%	295	-0.12	92,838	317	0.37	3.0%	259	0.15	93.1%
Asbury Park city	Monmouth	-9.80	58.9	23	104	-0.69	-4.7%	76	-0.74	10.8%	16	-2.53	22.3%	56	-0.34	2.6	13	-3.11	25.8%	24	-1.35	47,841	51	-1.10	5.0%	63	-1.15	85.4%
Atlantic City city	Atlantic	-19.74	89.8	3	84	-0.76	-5.1%	21	-1.74	16.1%	6	-4.09	32.3%	5	-2.18	10.3	2	-5.03	37.1%	4	-1.87	29,232	15	-2.63	7.1%	13	-3.12	73.7%

State Avg MHI = \$85,245

# DETERMINING SRF AFFORDABILITY

## Part 2: Environmental Justice / OBC Criteria (Must Be Less than 35%)

United States Census Bureau

https://data.census.gov/cedsci/table?q=c17002&g=0400000US34

Advanced Search

2 Filters (2) Clear all

Results (1) C17002 New Jersey

1 Result

American Community Survey  
C17002 | RATIO OF INCOME TO POVERTY LEVEL IN THE PAST 12 MONTHS  
2020: ACS 5-Year Estimates Detailed Tables | Universe: Population for whom poverty status is determined

Download Table Data

New Jersey		
Label	Estimate	Margin of Error
▼ Total:	8,713,792	±1,637
Under .50	372,911	±9,301
.50 to .99	469,793	±10,926
1.00 to 1.24	267,789	±7,314
1.25 to 1.49	262,657	±7,064
1.50 to 1.84	389,281	±10,176
1.85 to 1.99	167,118	±5,385
2.00 and over	6,784,243	±19,715

35% of the households served by the project, qualify as low-income households (at or below 2x the poverty threshold).

# SFY23 PRINCIPAL FORGIVENESS (PF) OPPORTUNITIES

Clean Water PF	Principal Forgiveness Share	Principal Forgiveness Cap per Applicant	Projected Amount of PF Available
CSO LTCP ARPA Projects	80%	No Cap	\$248M
CSO Abatement	50%	\$5M**	\$30M*
CSO Abatement in Communities that meet the CWSRF Affordability Criteria	100%		\$30M*
Water Quality Restoration	50%	\$2.5M	\$6M
Affordability Criteria	100%	\$2M	\$36M
Energy and Water Efficiency Projects	50%	\$2M	\$10M
Overflow and Stormwater Grant (OSG) CW SRF PF Loans***	20%	\$0.2M	\$1M

Amount available to be used in SFY23 or rolls over to the next year.

Word on the Street this Category is Nearly fully Accounted For in SFY23

PF is restricted per applicant / per State Fiscal year. That is \$2M per year..

# SFY23 PRINCIPAL FORGIVENESS (PF) OPPORTUNITIES

Drinking Water PF	Principal Forgiveness Share	Principal Forgiveness Cap per Applicant	Projected Amount of PF Available
Nano (serving ≤ 10,000 customers)	50%	\$500,000	\$8M
Very Small Water System (serving ≤1,000 customers)	100%	\$750,000	\$3M
Lead Line Replacement	50%	\$5M	\$25M**
Emerging Contaminants* (including PFAS)	100%	\$1M	\$17M**
High Rank Affordability Projects	100%	\$1M	\$5M
General Supplemental PF* (Lead or PFAS)	Per above	Per above	\$10M
Climate Change/Resilience or Projects to comply with Multiple MCLs (ARPA)	80%	\$20M	\$45M

Amount available to be used in SFY23 or rolls over to the next year.

\* This total includes the transfer the \$3,821,000 from the Clean Water Emerging Contaminants allocation to the DW SRF in SFY 2023 to be used for projects that address emerging contaminants in drinking water.

\*\* Once the principal forgiveness funds for emerging contaminants (\$13 million) and lead line replacement (\$25 million) have been allocated to higher ranked projects, \$10 million in principal forgiveness from the DWSRF Supplemental Funds will be directed in priority ranked order to qualifying lead or PFAS projects in other disadvantaged communities that meet NJ's affordability criteria in Appendix 3.

**PFAS is eligible for Any Applicant – Priority for Affordability Applicants**

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QUESTIONS ?

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