

# **NEW JERSEY ENVIRONMENTAL INFRASTRUCTURE FINANCING PROGRAM**

**STATE FISCAL YEAR 2022  
PRIORITY SYSTEM AND  
PROJECT PRIORITY LIST**

**DISASTER RELIEF EMERGENCY  
FINANCING PROGRAM REPORT  
AND PROJECT PRIORITY LIST**

**Submitted to the State Legislature by**

- ▶ The New Jersey Department of Environmental Protection
- ▶ The New Jersey Infrastructure Bank

**JANUARY 2021**

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# **New Jersey Department of Environmental Protection**

## **Mailing Address:**

P.O. Box 402  
Trenton, NJ 08625

## **Location Address:**

401 East State Street  
Trenton, NJ 08625  
609-292-2885

# **New Jersey Infrastructure Bank**

## **Mailing Address:**

3131 Princeton Pike  
Building 4, Suite 216  
Lawrenceville, NJ 08648  
609-219-8600

# **New Jersey Infrastructure Bank**

## **Public Board Members**

Roger Ellis, Vice-Chairperson

Mark Longo, Treasurer

Jack Kocsis, Jr., Secretary

Robert A. Briant, Jr.

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## **Executive Director**

David E. Zimmer, CFA

**Report to the Legislature  
Pursuant to**

P.L. 1985, Chapter 334  
New Jersey Infrastructure Trust Act

**Presented by**

**Shawn LaTourette, Acting Commissioner**  
New Jersey Department of Environmental Protection

**Roger Ellis, Vice-Chairperson**  
New Jersey Infrastructure Bank

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New Jersey Infrastructure Bank  
3131 Princeton Pike  
Building 4 Suite 216  
Lawrenceville, NJ 08648-2201



**New Jersey  
Department of  
Environmental  
Protection**

**TO:** Members of the New Jersey State Legislature  
**FROM:** Shawn LaTourette, Acting Commissioner, New Jersey Department of Environmental Protection  
Roger Ellis, Vice-Chairperson, New Jersey Infrastructure Bank  
**DATE:** January 2021  
**SUBJECT:** State Fiscal Year 2022 New Jersey Environmental Infrastructure Financing Program

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### **Introduction**

In accordance with N.J.S.A. 58:11B-9(d), 20 and 20.1, the Department of Environmental Protection (DEP) and the New Jersey Infrastructure Bank (I-Bank), are transmitting the attached annual report which summarizes, as required:

- (i) The ranking system and funding policies (“Priority System”) for projects to be funded in the State Fiscal Year (SFY) 2022 New Jersey Environmental Infrastructure Financing Program (“NJEIFP” or “Water Bank”);
- (ii) The initial SFY2022 Project Priority List (as of January 2021, to be updated quarterly);
- (iii) The Disaster Relief Emergency Financing Program (Statewide Assistance Infrastructure Loan Program, or SAIL) Project Priority List;
- (iv) A comprehensive report on projects that received funding in SFY2020;
- (v) A comprehensive report on SAIL projects funded in the SFY2020.

### **Background**

The NJ Water Bank provides funds to local government units (LGUs) and private water systems to ensure that the State’s water infrastructure is properly constructed to State and Federal standards. These projects are critical in improving water quality and protecting public health and the state’s natural resources as well as supporting economic growth. For the past 34 years, the DEP and the I-Bank have leveraged State and Federal funds (provided through the USEPA State Revolving Fund (SRF) Program) with publicly issued tax-exempt bonds maximizing the number of projects funded while simultaneously focusing on cost and operational efficiencies. As of June 30, 2020:

- The NJ Water Bank has issued more than **\$7.4 billion** in low-interest long term loans and has an additional \$1.48 billion in short-term construction loans outstanding;
- New Jersey’s ratepayers have saved an estimated **\$2.7 billion** in interest costs and through Principal Forgiveness loans; and
- Total loan spending has generated over 140,000 direct construction jobs throughout the State<sup>1</sup>.

It is currently estimated that the amount of funds needed to address New Jersey’s water and wastewater needs over the next 20 years exceeds \$30 billion. Included in this estimate are drinking water projects that address lead and contaminants of emerging concern and clean water projects that address combined sewer overflows and harmful algal blooms. The NJ Water Bank is a critical financing program that with the

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<sup>1</sup> Based on the US GSA’s estimate of 20 jobs per \$1 million prior to 2012 and 12 jobs per \$1 million thereafter.

proper financial resources will play a leading role in addressing these needs.

### **SFY2022 - Initial Project List**

**600 projects / \$6.02 billion**

The January Report identifies a pool for the SFY2022 NJ Water Bank consisting of 600 projects with an estimated value of \$6.02 billion, continuing to demonstrate the NJ Water Bank's importance and commitment to meeting the State's environmental infrastructure needs. Please refer to:

- **Appendix A** for those **Clean Water** projects identified on the SFY2022 Interim (Short Term) Clean Water/Superstorm Sandy and Disaster Relief Emergency Financing (Statewide Assistance Infrastructure Loan (SAIL) Financing Program Project Priority Lists (SFY2022 CW Priority List); and
- **Appendix B** for those **Drinking Water** projects identified on the SFY2022 Interim (Short Term) Drinking Water Financing Program Project Priority List (SFY2022 DW Priority List).

### **SFY2022 Financing Program**

The majority of NJ Water Bank's projects are initially financed through the Construction Loan Financing Program (the "Construction Loan Program") which currently offers zero percent financing during the construction phase of a project. Should interest be charged under the Construction Loan Program it is only on the amount of funds utilized from the time of draw. These favorable loan terms provide the most efficient costs of financing and provide Borrowers flexibility by allowing them to begin work, including pre-construction activities such as legal and design efforts, when their projects are ready. The program generally converts a short-term loan to a long-term loan upon construction completion offering sum-certain long-term financing which eliminates supplemental funding needs, mitigates IRS compliance issues, and minimizes interest costs for Borrowers as they pay interest (if applicable) only on funds needed for the project.

Projects that received short-term loans in recent years will receive long-term loans funded with the equivalent of 75% to 50% with DEP funds at 0% interest and 25% to 50% with I-Bank AAA market rate funds, consistent with the terms of the applicable financing programs. On average, these participants will save, based on their own credit ratings, between 15% to 30%, or \$150,000 to \$300,000 in interest costs per \$1.0 million borrowed over 30 years compared to financing their projects independently.

The DEP published the Proposed SFY2022 Clean Water and Drinking Water Intended Use Plans (IUPs) in December 2020. Public hearings were held for both plans on January 7, 2021. The public comment period for the proposed IUPs close on January 14, 2021. If the DEP receives significant comments on the IUPs that result in changes to the proposed funding packages for SFY2022, they will be reflected in the Final SFY2022 IUPs and the Water Bank's State Fiscal Year 2022 Financial Plan ("May Report").

### **Clean Water Program**

In a continuing effort to ensure the Water Bank's long-term viability, the SFY2022 Clean Water IUP will maintain changes originally made in SFY2020 to the blended interest rate for long term loans for nearly every project category eligible for clean water funds except in SFY2022, the blended interest rate for Landfill Construction projects will be increased from 50% to 75% of I-Bank's AAA Market Interest Rate. In addition, the eligibility of energy conservation, renewable energy and co-generation projects will be limited to the pro rata share of capital costs that provide power to a publicly owned treatment works. The Program will continue to offer competitive loan rates and these changes will extend the Program's ability to fund high priority projects on a readiness to proceed basis.

The Clean Water Program includes specific set-asides for; (i) *Combined Sewer Overflow Abatement (CSO)* projects (approximately \$35 million of Principal Forgiveness funds), and (ii) *Harmful Algal Bloom (HAB) Abatement* (approximately \$17 million of Principal Forgiveness funds).

## Drinking Water Program

The NJ Water Bank has funded a record number of drinking water projects over the last few years. The current demand for drinking water funds continues to be high and exceeds the current amount of available funds even with the increased availability of drinking water funds through the transfer of CWSRF funds to DWSRF and increased State appropriations. The SFY2022 Drinking Water IUP will fund projects based on both a project's rank pursuant to the methodology laid out in this report, as well as its readiness-to-proceed basis to ensure the highest priority projects (those impacting public health) will be funded with the available funds.

In SFY2022, the NJ Water Bank will continue to offer very attractive low-cost financing packages, including principal forgiveness (or grant-like funding), interest-free loans, and low interest loans for high priority drinking water projects. The DEP is maintaining base loan rates outlined in the SFY2021 Drinking Water IUP, which included a funding cap of \$25 million per applicant per year for both publicly and privately-owned systems to ensure that limited funds are distributed among multiple high priority projects.

The Drinking Water Program includes specific set-asides for; (i) *Lead Service Line Replacement* (approximately \$30 million in Principal Forgiveness funds), (ii) *Small System* (servicing population of 10,000 or less) *Lead Abatement* (approximately \$10 million of Principal Forgiveness funds), (iii) *Small System (NANO) Drinking Water Projects* (approximately \$4 million of Principal Forgiveness funds).

## SFY2022 – Highlights

In SFY2022, the NJ Water Bank will continue features introduced in recent years. Highlights of the program include:

- **Short-Term Funding Readily Available** – Rolling applications and an award process for short-term loans throughout the year for eligible project construction and planning and design activities regardless of the time of application or need;
- **Longer Terms for Line of Credit Funding** – Short term loans of up to five full fiscal years are available to finance a project's planning, engineering design, legal, and construction expenses, provided planning or engineering design activities do not exceed two years;
- **Attractive borrowing terms and rates** – The NJ Water Bank offers an effective short-term interest rate equal to a portion of the I-Bank's highly rated short-term cost of funds. When the Water Bank uses 100% DEP funds as its source of short-term loans, the interest rate is 100% interest free short-term financing during construction of the project;
- **CSO Initiatives** – Communities in CSO sewer-sheds may access short-term funds for Planning & Design work to finalize long-term control plans and begin construction, as well as have opportunities for principal forgiveness;
- **More Frequent Bond Issuance** – The I-Bank expects to issue long-term bonds twice per year allowing participants opportunities to regularly roll short-term construction loans into long-term financing;
- **Longer Loan Maturities** – The NJ Water Bank offers loan terms of up to 30 years for qualified projects, lowering the annual repayment obligation for municipalities and systems. The program is working with USEPA to offer extended term financing in SFY2022 to as much as 45 years for CSO abatement projects;
- **Asset Management** – The Financing Program, in compliance with new Federal requirements enacted under the Water Resources Reform and Development Act (WRRDA), has implemented an Asset Management Program (AMP) to maximize the return on investment of public funds.

**SFY2020 – Recap**

**Net New Funding: 106 Projects / \$332 million**

- **Short-Term Loans – 61** projects received initial short-term financing totaling **\$289 million**.
- **Adjustments to Prior Short-Term Loans – 45** projects received totaling **\$43 million**.
- **Long-Term Loans – 36** projects, previously funded with short-term loans, converted to long-term loans for **\$178 million**.

*Note: There were two long-term SAIL loans rolls and no new short-term SAIL loans in SFY2020. The total SAIL loans issued to-date for Superstorm Sandy is \$205.5 million, representing eleven (11) projects for five (5) Borrowers to address immediate cash flow needs in advance of federal disaster reimbursement grants.*

*SAIL Borrowers have benefited from I-Bank involvement in the compliance of FEMA requirements and processing submissions of reimbursement requests to FEMA resulting in 90% of all approved costs (the maximum allowable under FEMA's reimbursement cap for Sandy) in an average time of just 40 days.*

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The I-Bank's upcoming **May Report** will set forth the Project Eligibility List of those projects eligible for long-term funding in SFY2022 and the plan by which those projects participating in the SFY2022 Financing and SAIL Programs will be funded.

We look forward to meeting with you to discuss the upcoming year's financing program. We and our staff remain available to answer any questions you may have regarding projects on the attached lists or any of the NJ Water Bank's initiatives contained within this Report.

Thank you for your time and continued support.



Shawn LaTourette  
Acting Commissioner,  
NJ Department of Environmental Protection



Roger Ellis  
Vice-Chairperson,  
NJ Infrastructure Bank

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# JANUARY REPORT

## FOR STATE FISCAL YEAR 2022

### PRIORITY SYSTEM AND PROJECT PRIORITY LIST

#### FINANCING PROGRAM BACKGROUND

#### INTRODUCTION

This January Report (Report) is submitted to the New Jersey State Legislature (Legislature) pursuant to N.J.S.A. 58:11B-1 et seq., specifically, N.J.S.A. 58:11B-9(d), 20 and 20.1. It has been prepared by the New Jersey Department of Environmental Protection (Department or DEP) and the New Jersey Infrastructure Bank (NJIB or I-Bank), which together administer the New Jersey Environmental Infrastructure Financing Program (NJEIFP, Financing Program or Water Bank) to provide short and long-term loans for the planning and construction of environmental infrastructure projects.

This Report summarizes and includes:

- (i) The method employed to prioritize projects and establish project rankings for the State Fiscal Year (SFY), beginning July 1, 2021 (SFY2022)
- (ii) The NJEIFP's initial SFY2022 Interim Financing Program Project Priority List (Project Priority List) identifying projects to be considered for funding in SFY2022
- (iii) A List of projects financed in the most recently completed fiscal year, SFY2020, in compliance with the requirements set forth in the I-Bank Enabling Act N.J.S.A. 58:11B-20(d) and 20.1(d), including the project name, project description, loan type, and loan amount
- (iv) The Disaster Relief Emergency Financing Program Project Priority List identifying projects eligible for short-term loans pursuant to the Disaster Relief Emergency Financing Program (**SAIL**) for projects to improve resiliency in future natural disasters
- (v) A comprehensive report on SAIL funded projects financed through December 31, 2020

In May, the I-Bank and the Department will jointly publish the Financial Plan (also known as the "May Report"). The May Report will summarize the NJEIFP's available loan programs, loan terms, and the loan closing process for projects to be funded in SFY2022.

Federal requirements regarding funds appropriated under the Clean Water Act (CWA) and Safe Drinking Water Act (SDWA) necessitate the NJEIFP's development of an annual Clean Water Priority System, Intended Use Plan, and Project Priority List (together the CW Plan) and a Drinking Water Priority System, Intended Use Plan, and

Project Priority List (together the DW Plan). In December 2020, the DEP issued the proposed SFY2022 DW Plan, amendments to the SFY2021 DW Plan, and the proposed SFY2022 CW Plan. The proposed CW Plan and DW Plan for projects to be financed in SFY2022 were issued pursuant to the DEP's obligations under the CWA and SDWA. The policies articulated in these publications are consistent with those stated in this January Report.

## GOALS

The main objectives of the NJEIFP are to:

- Provide capital for water and wastewater infrastructure projects to protect public health and the environment for multiple generations of New Jersey citizens;
- Continue serving as the Garden State's premier source of environmental infrastructure financing through self-sustaining, efficient and transparent programs;
- Establish and efficiently manage a permanent source of funding for clean water and drinking water infrastructure projects;
- Provide project financing at a much lower cost than program participants could achieve individually thereby passing substantial savings on to New Jersey taxpayers and rate payers; and
- Increase access to capital markets for those participants that find it difficult or expensive on their own, due to lower credit ratings or a lack of familiarity with debt financing.

## SFY2022 NJEIFP

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### HIGHLIGHTS

The NJEIFP is continuing initiatives developed and enacted in recent years for SFY2022.

- i. **Rolling application and funding process:** Changes to the Project Priority List are submitted to the legislature four times during the fiscal year enabling the Program to readily offer Borrowers short-term loans that are more in line with their time frames, particularly when their projects are ready for construction. The Project Priority List is updated periodically as project applications are received and ranked by the Department as generally meeting SRF parameters.
- ii. **Fiscal Sustainability Plan (Asset Management):** H.R. 3080, the Water Resources Reform and Development Act of 2014 (WRRDA) requires all SRF loan recipients receiving funds for the repair, replacement, or expansion of a treatment works to develop and implement a Fiscal Sustainability Plan (FSP) or certify that they have developed and implemented such a plan for the funded project. An FSP requires a Borrower to:
  - (i) Inventory critical assets that are part of the treatment works,

- (ii) Evaluate the condition and performance of inventoried assets or asset groupings,
  - (iii) Certify that the recipient has evaluated and will be implementing water and energy conservation efforts as part of the plan, and
  - (iv) Present a plan for maintaining, repairing as necessary, and replacing the treatment works and funding such activities.
- iii. **Asset Management:** An Asset Management Plan (AMP) is a comprehensive plan developed by systems which includes the categorization of system assets along with a financial plan that lays out the methods, scheduling and financing of the strategic upkeep and replacement of such assets. The NJEIFP supports AMP development through both financing as well as informational support. The Department and the I-Bank have developed sample templates and standardized planning tools to assist water systems with the creation of their AMP. The Department has launched an asset management webpage ([www.nj.gov/dep/assetmanagement/](http://www.nj.gov/dep/assetmanagement/)) that sets forth information pertaining to Asset Management, the State Asset Management Program, publications, and financing. It also includes resources such as EPA's interpretative guidance on FSP's and the DEP's Asset Management Guidance & Best Practices document which can be found at: <http://www.nj.gov/dep/watersupply/pdf/guidance-amp.pdf>. In addition, the Water Quality Accountability Act, P.L. 2017, c. 133 (WQAA), enacted on July 21, 2017, established new requirements for purveyors of public water to improve the safety, reliability, and administrative oversight of water infrastructure. The WQAA applies to water purveyors with more than 500 service connections, which is approximately 300 water systems in New Jersey. The WQAA requires purveyors to create and implement an AMP designed to inspect, maintain, repair, and renew its infrastructure consistent with standards established by the [American Water Works Association](#).
- iv. **Harmful Algal Bloom Abatement:** The presence of harmful algal blooms in New Jersey's waterbodies severely impacts our public health and economy. The Financing Program is reserving funds and providing as much as \$17 million in principal forgiveness loans in SFY2022 for Water Quality Restoration capital improvement projects and equipment purchases that will eliminate, prevent or reduce documented occurrences of shellfish bed downgrades, beach closings and advisories due to the presence of harmful algal blooms (HABs). Eligible projects would eliminate potential sources such as failing on-site wastewater systems and cross connections between storm sewers and sanitary sewers. Eligible project activities also include the expansion or replacement of stormwater management systems as well as the purchase of skimmer boats, aquatic weed harvesters and equipment to maintain stormwater management facilities.
- v. **Lead Abatement:** The existence of lead service lines in some of our aging drinking water infrastructure poses potential risk to public health. This risk can be significantly reduced through the identification and replacement of lead service lines or through the installation of corrosion control treatment. The [Water Infrastructure Funding Transfer Act](#), passed into law in October of 2019, allows states a one-time transfer of funds from the Clean Water State Revolving Fund to the Drinking Water State Revolving Fund. The legislation was sponsored by U.S. Senator Cory Booker, D-N.J. and is commonly referred to

as the “Booker Bill”. The law allows State officials to transfer up to 5% of the cumulative clean water state revolving fund or approximately \$113 million to the drinking water state revolving fund to invest in water infrastructure and prevent lead from leaching into the drinking supply. It does not appropriate any new funds but does provide helpful short-term flexibility within the federal SRF program. Funds transferred under this law must be used specifically for projects related to protecting water systems from the impacts of lead in the form of principal forgiveness, negative interest loans, or grants (or any combination of these).

In SFY2021, the DEP capitalized on the flexibility provided by the Water Infrastructure Funding Transfer Act and transferred approximately \$113 million to the DWSRF to provide principal forgiveness (PF) to eligible recipients for projects that reduce exposure to lead in drinking water in communities with a Median Household Income (MHI) less than the State MHI. In addition, \$3M in lead PF was carried over from SFY2020. Approximately, \$106M was set aside to be used to fund lead service line replacement projects in priority ranked order, while the remaining \$10M is set aside to fund the installation of corrosion control treatment and lead service line replacement in priority ranked order at water systems serving a population  $\leq 1,000$ . Any of the \$116M that is not committed to eligible projects in SFY2021 will be rolled over and made available for projects in SFY2022.

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## FINANCING PROGRAM OFFERINGS

The **NJEIFP** consists of two loan formats: short-term and long-term loans. Together, they provide funding for all aspects, phases and components of designing and building environmental infrastructure projects. NJEIFP Loans are issued, upon approval of applicable Financing Program requirements, for costs incurred for designing and constructing projects that enhance and protect ground and surface water resources, ensure the safety of drinking water, and facilitate responsible, sustainable economic development (Environmental Infrastructure Project).

Each loan is funded from one or more of the following sources: (1) federal appropriation of United States Environmental Protection Agency (USEPA) capitalization grants issued pursuant to the Water Pollution Control Act Amendments of 1972 (CWA) and Safe Drinking Water Act Amendments of 1996 (SDWA); (2) various state bond issues and other state funds; (3) loan repayments; (4) interest earnings; (5) I-Bank bond proceeds; (6) I-Bank operating revenues; and (7) I-Bank Commercial Paper or Line of Credit. Special appropriations through the Disaster Relief Emergency Appropriations Act of 2013 (PL 2013-2) are utilized for Superstorm Sandy Loans. In addition, the I-Bank has applied for funds from the Water Infrastructure Finance and Innovation Act of 2014 (WIFIA) Program, a federal program administered by the EPA that provides low-cost loans for eligible water and wastewater infrastructure projects. The I-Bank intends to use WIFIA loan funds in lieu of a portion of the funds the I-Bank would otherwise secure through the issuance of tax-exempt bonds. Blending WIFIA loan funds into loan packages will reduce the amount of Department’s SRF funds needed in the loan package thus enabling the Program to finance more projects with no adverse impact on Borrower interest rates.

SFY2022 Funding Packages (Long-Term Loans)

**Clean Water**

Clean Water Categories	Blended Interest Rate
CSO Sewershed – Grey and Green Infrastructure and Water Quality Restoration Projects*	25% of I-Bank’s AAA Market Interest Rate**
All Other Water Quality Projects (Base CWSRF)	50% of I-Bank’s AAA Market Interest Rate
Brownfield Redevelopment (Conduit Projects) and New Landfill and Landfill Cell Projects ***	75% of I-Bank’s AAA Market Interest Rate

\*Costs in excess of \$10 million for CSO Abatement and Water Quality Restoration Projects will be financed under the Base CWSRF.

\*\*25% of I-Bank’s AAA Market Interest Rate means an effective interest rate no greater than would have resulted from financing with a 25% share of I-Bank’s AAA bond funds at market interest rates and a 75% share of the Department interest-free loan funds.

\*\*\* The construction of facilities to collect, convey and/or treat leachate and runoff from new publicly-owned landfill cells.

**Drinking Water**

Drinking Water Categories	Blended Interest Rate
Base DWSRF – Public*	50% of I-Bank’s AAA Market Interest Rate
Base DWSRF – Investor-owned**	75% of I-Bank’s AAA Market Interest Rate
Affordability (publicly-owned water sys. only) ***	25% of I-Bank’s AAA Market Interest Rate

\* Base DWSRF – Public Project Sponsors are capped at \$25M. Costs in excess of \$25M can be financed at the I-Bank market rate as capacity allows.

\*\* Base DWSRF – Investor-Owned Project Sponsors are capped at \$25M and \$10M per project. Costs in excess of the caps can be financed at the I-Bank market rate as capacity allows.

\*\*\* Systems serving municipality(s) with MHI ≤ 65% NJ MHI (2010 census). Capped at \$10M. Costs in excess of \$10M are funded at the Base Rate.

SFY2022 Principal Forgiveness (PF) Opportunities

**Clean Water**

Clean Water PF	Principal Forgiveness	Principal Forgiveness Cap	Projected Amount of PF Available
Water Quality Restoration (Harmful Algal Bloom Abatement)	50%	\$2M	\$17M
Coastal Community Water Quality Restoration	50%	\$2.5M	\$2.5M*
CSO-Abatement	50%	\$2M	\$35M**

\* \$2.5M in PF has been committed towards Cumberland County Improvement Authority.

\*\* \$2.5M in CSO-Abatement PF funds are set aside for CSO Green Infrastructure projects.

### Drinking Water

Drinking Water PF	Principal Forgiveness	Principal Forgiveness Cap	Projected Amount of PF Available
Small System ("Nano") ≤ 10,000 customers	50%	\$0.5M	\$4M
Lead Line Replacement*	50%	Up to \$10M, \$5M or \$1M per water system (Depending on number of known lead service lines; remainder at I-Bank market rate as capacity allows)	\$30M
Small System (≤1,000) Lead Abatement **	100%	\$1M	\$10M
Small Systems (<500) Community Engineering Corp	100%	\$0.75M (Remainder at base)	\$2M
Small Systems (≤1,000) Engineering Contract	100%		

\* Water systems are eligible to receive principal forgiveness for lead line replacement funding in communities with an MHI less than the MHI for the State. These projects are funded in project priority order according to ranking assigned by the priority ranking system. PF Funding is capped per applicant/year based on the number of known lead service lines.

\*\*Small systems with a population less than or equal to 1,000 are eligible to receive principal forgiveness for corrosion control treatment and lead line replacement in communities with an MHI less than the MHI for the State.

### Drinking Water SRF Financing Options

The DWSRF base program consists of a financing package that results in a blended interest rate of 50% of I-Bank's AAA Market Interest Rate for publicly owned water systems and a blended interest rate of 75% of I-Bank's AAA Market Interest Rate for private investor-owned water systems.

In addition to water system ownership (publicly-owned vs. privately-owned), water system loan rates will be impacted by the affordability criteria as described in Appendix 1. For the purposes of the DWSRF Program, a municipality whose median household income equal to or less than 65% of the State's MHI (New Jersey's MHI was \$68,911 as reported in the 2010 Census) is a Disadvantaged Community. Publicly-owned water systems serving Disadvantaged Communities will receive a funding package that results in a blended interest rate of 25% of I-Bank's AAA Market Interest Rate.

Project sponsors are only eligible for one enhanced subsidization rate (Nano, small system lead abatement, affordability, or PF for lead service line replacement) per capital project up to the specified project caps. For Nano, small system lead abatement, and affordability categories, the remainder of project costs are financed at the applicable base rate. For the lead service line replacement category, the remainder of project costs may be financed at the I-Bank's AAA Market Interest Rate as capacity allows.

### Drinking Water SRF Funding Caps

Project applicants for investor-owned water systems are capped at \$10 million per project. In addition, all project applicants for both investor-owned and publicly owned systems are capped at \$25M per applicant per year. Project costs over the specified caps may be financed by the I-Bank as capacity allows. The DEP is maintaining a funding cap of \$25 million (per applicant/per year) for SFY2022 for publicly owned water systems and extending the cap to investor-owned water systems to ensure that multiple high priority drinking water projects receive funding. The total project cost financed, including any portion of the project financed at the base rate and financed at an enhanced subsidization rate (Nano, small system lead abatement and affordability) may not exceed \$25 million.

The DEP is actively pursuing additional funding sources to address the increasing drinking water infrastructure financial needs and reserves the right to modify or waive the cap requirement should efforts be successful.

### Drinking Water SRF Financing Timeline

For the DWSRF SFY2022 program, funding decisions will be based on the DWSRF Project Priority List, as determined by the DWSRF Project Ranking methodology. DEP will be determining financing availability and loan terms in priority ranked order based on available funds as follows:

- All projects that are in the fundable range as of the date of certification by DEP will be allowed to proceed to a short-term loan closing on a readiness to proceed basis. The Department establishes the fundable range by deducting and reserving estimated costs for projects listed in rank order on the current fiscal year Water Bank Project Priority List as amended until the available unobligated drinking water funds are exhausted. Note that the actual number of projects in the fundable range could expand or contract as loan construction bids are received, and total low bid allowable project costs are evaluated.
- The DEP will reach out to all projects within the fundable range as of January 1, 2022 asking to confirm readiness to proceed in SFY2022 or request to be bypassed to the next SFY. This will allow the DEP to extend the fundable range by allocating funds from bypassed projects to the next ranked project. Projects in the fundable range that do not receive Authorization to Award by April 1, 2022 will be bypassed for the SFY2022 funding cycle and the fundable range will be extended accordingly.

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## SHORT-TERM FINANCING

Construction loans are available for up to 5 full fiscal years, or up to the statutorily permitted term, to finance the cost of (i) environmental planning and engineering design activities incurred, and (ii) project construction upon application approval. A planning design and construction loan shall mature no later than the last day of the fifth succeeding fiscal year following the closing date of the line of credit loan, or the last day of the third succeeding fiscal year following the date of construction certification following the closing date of the line of credit loan, whichever is sooner provided that planning or engineering design activities shall not exceed two years from the closing date of the loan. Construction Loans for Combined Sewer Overflow Long-Term Control

Plans, recognized by the Financing Program, offer terms of up to ten (10) years. Legislative amendments in 2020 authorize the issuance of one short-term supplemental loan for residual project expenses upon certification by the Department that the time required by the project sponsor to complete construction of the project exceeds the maximum maturity date of the project sponsor's outstanding short-term loan. Such residual loans are only available one time for any given project for up to three full fiscal years.

The I-Bank may utilize commercial paper or similar private capital as a potential source of funds for short-term loans to ensure sufficient capital is available for short-term loans. Short-Term loans are issued at interest rates between 0% and 50% of the I-Bank market rate, depending upon the funding source, offering a lower cost of capital for program Borrowers. Such loans are then refunded and converted into long-term loans when the projects are at or near construction completion. Sizing long-term loans based on actual construction cost as opposed to engineering estimates provides greater certainty as to costs and significantly reduces the incidence of post-loan closing issues including de-obligation of unexpended capital and the issuance of supplemental loans for project overruns, actions which used to require additional work and costs on behalf of the Borrowers and their consultants. The NJEIFP provides opportunities to convert Construction loans semi-annually. Eligibility for long-term financing includes legislative appropriation of the project, and satisfaction of the Term Financing Criteria established by the I-Bank generally requiring construction completion.

Most Borrowers are able to include the portion of the 2% DEP loan origination fee due at short term closing (1% of project costs or 50% of the total DEP loan origination fee) in their short-term loan. Construction loans are only issued for activities likely to lead to, or the construction of, an environmental infrastructure project. While the terms of the financing, including principal forgiveness, are established at the time of the Construction loan, they are contingent upon a project receiving long-term financing. These terms vary primarily with the nature of the project activities or populations served as detailed in the Specific Incentivized Programs section.

Construction loans are also available under the SAIL Program for environmental infrastructure projects for the repair to systems adversely impacted during natural disasters and/or to improve the resiliency of systems. In addition, short-term loans are available for environmental infrastructure projects necessary to respond immediately to emergencies (other than SAIL) that endanger public health and welfare that are likely to result in substantial environmental damage.

In an effort to reduce transaction costs, each project's short-term loan can be for the entire estimated cost of the project, but the commitment of funds is initially limited to the approved project components, e.g., planning and design costs and/or initial construction operable segment(s). The agreement is then amended to reflect subsequently approved costs, e.g., construction contract at the time of authorization to award. Note, the Borrower is not obligated to repay principal or interest (if any) during the term of the short-term loans. Instead, the Borrower's long-term loan is utilized to "payoff" the short-term loan, which includes any accrued interest and fees. These totals are rolled into the Borrower's long-term Financing Program loan.

All short-term loans are currently funded with DEP funds. As the demands have increased, the program continues to evaluate the ability to support the I-Bank's short-term loan program with DEP funds. Loans sourced

with DEP funds are currently 100% interest free. If the I-Bank uses private funds to finance a portion of the short-term loans, the Program will pass the cost of those funds through to Program Borrowers.

*The SFY2022 Interim Financing Program Clean Water Project Priority List and the SFY2022 Interim Financing Program Drinking Water Project Priority List, set forth in Appendices A and B respectively, identify environmental infrastructure projects eligible for short-term financing pursuant to N.J.S.A. 58:11B-9.*

## LONG-TERM FINANCING

Long-Term Loans are generally issued upon completion of project construction (demonstrated through submitted requisitions). Due to the enhancements to the Construction Loan Program, long-term loans are largely mechanisms to refinance previously issued Construction loans for construction and P&D activities. With limited exception, all relevant Program terms and conditions are established at the time of issuance of Construction loans: for example, credit worthiness approval; Division of Local Government Services approval; the State’s commitment of long-term funding at the time of certification of each operable project segment; and the applicability of all program benefits (e.g., principal forgiveness). Long-Term Loans provide certainty as to the interest rate which is fixed for periods of up to 30 years or in the case of CSO projects, terms up to 45 years.

Long-term loan terms are established in accordance with the following criteria:

For Projects financed through a Water Bank Construction (Short-term) loan:

<b>Loan Issued Upon</b>	<b>Applicable Financing Term Year</b>
Certification of engineering contract	Date of certification of construction contract*
Certification of construction contract	Date of construction loan closing

\*If a project has multiple operable segments, various financing year terms may apply to a single project loan which are set at the time of each contract certification.

Applicants financing the cost of construction through non-Water Bank sources or self-funding, long-term financing terms apply at the time of long-term loan closing.

## SPECIFIC INCENTIVIZED PROGRAMS

The Department expects to use the maximum amount available for principal forgiveness utilizing SRF monies subject to federal restrictions. In addition to the SRF, the Department may increase any amounts identified in the IUP reserved for principal forgiveness and adjust any caps if additional SRF or non-SRF funds (including Natural Resource Damages (NRD) recovered by the State and Corporation Business Tax (CBT) funds) become available to supplement principal forgiveness or low-cost loan funding. In addition, the Department may bank any non-SRF financing towards future State Match requirements subject to EPA approval. The Department anticipates implementing the following incentivized programs under its proposed CW and DW IUPs:

- i. **Coastal Community Water Quality Restoration:** \$2.5 million in principal forgiveness has been committed towards Cumberland County Improvement Authority to resolve failing septic systems and prevent shellfish bed closures in Fortescue and Gandys Beach in Downe Township. To the extent those committed funds are not obligated in SFY2021, they will be made available to this project for obligations in SFY2022.
- ii. **Water Quality Restoration:** The DEP is reserving funds and providing principal forgiveness loans for capital improvement projects and equipment purchases that will eliminate, prevent or reduce documented occurrences of shellfish bed and beach closings and DEP advisories due to the presence of harmful algal blooms. Projects eligible for this category would eliminate potential sources of harmful algal blooms such as failing on-site wastewater systems and cross-connections between storm sewers and sanitary sewers. Eligible projects also include the expansion or replacement of stormwater management systems as well as the purchase of skimmer boats, aquatic weed harvesters and equipment to maintain stormwater management facilities. There is a \$2 million cap of principal forgiveness per applicant in SFY2022. Projects are eligible for up to 50% principal forgiveness, and loan funding with a blended interest rate of 50% of the I-Banks AAA Market Rate for the first \$4 million of allowable project costs. Loan funding with a blended interest rate of 25% of the I-Bank's AAA Market Rate will be provided for costs for project costs between \$4 million and \$10 million. Costs above \$10 million will be financed at the base CWSRF rate. There is a \$2.0 million cap of principal forgiveness per applicant for Water Quality Restoration projects in SFY2022A total of \$17 million in principal forgiveness funds is expected to be available for Water Quality Restoration projects in SFY2022 including \$10 million in new funding and \$7 million in unused funds carried over from SFY2021. Priority for principal forgiveness funds will be given to eligible projects that address HABs (HAB Projects). Principal forgiveness funds will be allocated to HAB projects on a readiness to proceed basis. If there is insufficient demand from eligible HAB projects, unallocated principal forgiveness funds may be used for projects that address shellfish bed downgrades, beach closings and advisories due to the presence of pathogens.
- iii. **CSO Sewershed – Grey and Green Infrastructure:** The DEP is reserving funds and providing principal forgiveness loans for CSO abatement projects utilizing grey and/or green practices (such as green roofs, rain gardens, porous pavement, and other activities that maintain and restore natural hydrology by treating stormwater runoff through infiltration into the subsoil, treatment by vegetation or soil, or stored for reuse). Projects are eligible for up to 50% principal forgiveness, and loan funding with a blended interest rate of 50% of the I-Banks AAA Market Rate for the first \$4 million of allowable project costs. Loan funding with a blended interest rate of 25% of the I-Bank's AAA Market Rate will be provided for costs for project costs between \$4 million and \$10 million. Costs above \$10 million will be financed at the base CWSRF rate. There is a \$2.0 million cap of principal forgiveness per applicant for CSO Sewershed projects in SFY2022. A total of approximately \$35 million in principal forgiveness funds is anticipated to be available for CSO Grey and/or Green Infrastructure in SFY2022 including \$15 million in new funding and \$20 million in unused funds carried over from SFY2021. \$2.5M in principal forgiveness will be reserved exclusively for Green Infrastructure (see page 26 below for definition of

Green Infrastructure). If there is insufficient demand from eligible projects to utilize the principal forgiveness for Green Infrastructure in SFY2021, unallocated funds may be used for grey infrastructure.

- iv. **Sandy Relief:** Sandy Relief funds remain available for clean water facilities that were damaged by Superstorm Sandy and are making repairs or improving resiliency to prevent future damage to a treatment facility or water system from a similar event. Resiliency projects include elevating critical infrastructure, flood walls, backup power sources and more. Sandy Relief funds were made available in a one-time installment and offered while funds remain. As such, the NJEIFP will continue to accept submittals under the Sandy Relief program, which includes a principal forgiveness component of approximately 19% of the allowable costs. If all of the Sandy Relief funds are awarded in SFY2021, new submittals will be eligible under the Base SRF loan structure.
- v. **Pinelands Infrastructure Trust Financing Program:** The Water Bank expects to make loans to eligible clean water projects and drinking water projects identified in the Pinelands Infrastructure Trust Fund Infrastructure Master Plan (PITF) using funds available through the Pinelands Infrastructure Bond Act. The Pinelands Infrastructure Projects have been ranked by the Pinelands Commission in accordance with their ranking methodology set forth in PITF as amended by the Pinelands Commission in February 2019. Project selection and funding levels were adopted by the Pinelands Commission in June 2019. These loans will help local governments and utility authorities defray the costs associated with supporting the population and economic growth targeted to Pinelands Regional Growth Areas. Approximately \$15.9 million will be available from the Pinelands Infrastructure Fund for qualifying clean water, drinking water and transportation projects. Project financing will generally consist of 50% loan, 40% grant, and 10% local match. In cases where a hardship has been identified, the local match may be waived, and the award will be allocated as 50% loan and 50% grant. The Department is planning to capture any eligible clean water projects and drinking water projects and utilize State Bond funds from the Pinelands Program as credit towards the State Match requirement or future State Match requirements.
- vi. **Small Drinking Water Systems (NANO):** In addition to funds carried over from SFY2021, up to \$4 million is available in principal forgiveness for Drinking Water Projects to existing publicly-owned and privately-owned community water systems and non-profit, non-community water systems with populations of 10,000 persons or less. These loans consist of principal forgiveness financing for 50% of project costs and a loan with a Blended Interest Rate of 50% of I-Bank's AAA Market Interest Rate for 50% of project costs. Projects are capped at \$1 million. Additional financing is available at the applicable base rates for amounts greater than the \$1 million cap. These projects are selected based on priority ranked order. In addition, the DEP intends to prioritize projects that have secured federal/non-profit grants to be leveraged with SRF funding. The DEP waives its fee for NANO loans.

Small water system loans are available to larger, more viable water systems, which are willing to take ownership of small water systems, and make the corresponding, required capital improvements. Therefore, the larger water systems would be eligible for the same enhanced loan terms as the otherwise eligible small water system. (DW only)

vii. **Replacement of lead service lines:** The existence of lead service lines in some of our aging drinking water infrastructure poses potential risk to public health. This risk can be significantly reduced through the identification and replacement of lead service lines. In SFY2022, the DEP will roll over any of the remaining \$106M that was not committed to other eligible projects in SFY2021 to continue to fund lead service line replacement projects in priority ranked order. Publicly owned and privately (investor)-owned water systems are eligible for principal forgiveness if the project is located in a community with a median household income (MHI) less than the median household income for the State. The MHI is calculated using 2017 Census data, in accordance with data obtained from <https://www.census.gov/quickfacts/NJ>. Priority will be given to water systems that have exceeded the lead action level. Water systems that do not exceed the lead action level but want to replace lead pipes are eligible for principal forgiveness in ranked order. Loans will be offered as 50% principal forgiveness (based on the caps noted below) and 50% funding from the I-Bank at AAA Market Rate Bond. The remainder of the project balance is eligible for financing by the I-Bank, as capacity allows. Project applicants are capped at \$2, 10, or 20 million (\$1, 5 or 10 million in principal forgiveness) per water system (PWSID) in SFY2022 based on the number of known lead service lines being replaced in communities with an MHI below the State MHI. Project caps are based on known lead service lines in areas with an MHI that is below the State MHI and not the total number of lead service lines that may exist throughout the system. Water systems may be required to perform further materials evaluations in areas with an unknown number of lead service lines in order to qualify for principal forgiveness in those areas. Specifically, the caps are as follows:

- \$20M (\$10M principal forgiveness) for systems with > 5,000 known lead service lines;
- \$10M (\$5M principal forgiveness) for systems with  $\geq 1,000$  and  $\leq 5,000$  known lead service lines;
- \$2M (\$1M principal forgiveness) for systems with < 1,000 known lead service lines;

The remainder of the project costs above the specified caps may be financed by I-Bank at AAA Market Rate, as capacity allows.

For Example: A \$30M project submitted by a publicly-owned or privately-owned water system with >5,000 lead service lines serving a community with an MHI less than the State MHI, is capped at \$10M in principal forgiveness and \$10M by the I-Bank at the AAA Market Rate. The remaining \$10M is eligible for funding by the I-Bank at AAA Market Rate as capacity allows.

A \$16M project submitted by a publicly-owned or privately-owned water system with >5,000 lead service lines serving a community with an MHI less than the State MHI is eligible for \$8M (or 50% of total project costs) in principal forgiveness and \$8M from the I-Bank at AAA Market Rate.

#### Criteria for receiving a Water bank loan for LSL replacement

The following criteria must be met for the project to be eligible for Water bank loans:

- Be able to document the presence of lead service lines and components through historic records that the lines to be replaced are lead. Acceptable records include information on the age of the houses and high probability of lead lines and components being present, line installation records, etc.
  - Lead plumbing and components are defined as containing at least 90% or more lead by weight. This includes lead service lines, goosenecks, pigtails, and lead joints.
  - Provide an LSL Replacement Plan and Capital Improvement Plan to establish a strategy for lead line replacement that complies with all federal and State requirements.
  - Partial lead line replacements are not allowable.
- viii. **Small System Lead Abatement:** In SFY2022 the DEP will roll over any of the \$10M that was not been committed to eligible projects in SFY2021 to continue to fund the installation of corrosion control treatment or lead service line replacement at water systems with a population  $\leq 1,000$  in priority ranked order. This includes small community water systems, such as mobile home parks, as well as eligible noncommunity water systems that may include schools and religious institutions. The challenges facing these systems differ from their larger counterparts. In many cases, these systems contain no lead service lines and must rely on the installation of corrosion control treatment to reduce lead in their drinking water from internal (premise) plumbing. Loans will be offered as 100% principal forgiveness capped at \$1 million per water system (PWSID)/per year. If any of the \$10M is remaining as of April 1, 2022 it will be made available as PF under the terms of the LSL replacement category as needed.
- ix. **Small Water System Engineering Program:** \$2 million of SRF funds is being made available for programs directed to provide assistance to small systems.

#### Community Engineering Corps

DEP is partnering with the Community Engineering Corps to identify water systems that serve fewer than 500 persons and need assistance to come into compliance with federal and State drinking water regulations. 100% principal forgiveness loans will be available to those systems that are assisted by the Community Engineering Corps, with a cap of \$750,000 per project. The DEP will not charge permit fees to these small systems.

#### Engineering Contract

In 2021, the NJDEP and the New Jersey Water Association (NJWA) are establishing a new contract, funded through a DWSRF set-aside, to provide small water systems with engineering services needed to close on a Water Bank loan. Under the terms of this contract, NJWA partners the small water systems with engineering firms to complete project milestones, including permitting, submittal of the Environmental Decision Document (EDD) and loan closing to fund projects including treatment for contaminants such as PFNA, PFOA, and PFOS. When these

projects are ready for financing, they will be ranked, and financed to the extent that the DEP can accommodate their loan requests.

In SFY2021, the \$2M in principal forgiveness was made available to small systems serving  $\leq 1,000$  that are funded through participation in the engineering contract. Loans were offered at 90% principal forgiveness and 10% funding from the I-Bank at Market Rate.

In SFY2022, loans will be offered as 100% principal forgiveness, capped at \$750,000 per water system (PWSID)/per year. Systems serving above  $>1,000$  that are provided with assistance through the engineering contract will be funded in priority ranked order and eligible for Nano funds based on availability. Funds not used in SFY 2021 will be carried over for use in SFY2022.

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### DISASTER RELIEF EMERGENCY FINANCING PROGRAM (SAIL)

Authorized in SFY2014, the I-Bank developed and implemented the Disaster Relief Emergency Financing Program known as the Statewide Assistance Infrastructure Loan (SAIL). SAIL assists those communities in counties impacted by a declared disaster with financing environmental infrastructure projects to repair adversely impacted systems or improve the resiliency of such systems or similar systems that reasonably would have been impacted by such a disaster. The establishment of well documented and refined program parameters, procurement of technical assistance, successful funding of SAIL projects, and amassing strong working knowledge of reimbursement programs under the Federal Emergency Management Act has positioned the Program to provide immediate assistance to adversely impacted environmental infrastructure systems in the next disaster.

Disaster-related projects eligible for financing through the SAIL Program include a wide variety of wastewater treatment, stormwater management and nonpoint source pollution abatement projects that were impacted by Superstorm Sandy. The SAIL Program provides short-term loans, generally in advance of federal disaster reimbursement grants, to address the immediate cash flow needs of municipalities and authorities for:

- The project's local match requirement and/or in anticipation of reimbursement through federal grant programs including but not limited to FEMA 406 and 404 grant programs, HUD-CDBG and the NJEIFP to pay for construction costs related to the repair of infrastructure damaged during Sandy; and
- Projects to improve infrastructure resiliency in future disasters.

Eligible applicants include local government units, including municipalities, counties, sewerage authorities, municipal utilities authorities, county improvement authorities and other subdivisions of government. SAIL significantly broadens the options available for financing such projects by providing funding opportunities to projects otherwise unable to secure financing and expanding funding sources through low interest loans for terms up to 5 full fiscal years. Currently SAIL Loans are funded at 0% interest rate but may be offered at up to 50% of the market rate depending on the availability of funds.

Projects financed through the SAIL Program are on a first-approved, first-funded basis provided the project satisfies the requirements of the SAIL legislation and the I-Bank Board Resolution originally approved June 15, 2013 and amended and restated on June 15, 2017, which includes:

- Submission of a Letter of Intent and environmental planning documents;
- Project permits;
- Construction design documents and State and I-Bank loan applications;
- If an applicant seeks SAIL financing for short-term cash flow needs in anticipation of federal reimbursement (e.g. FEMA), the application review also requires satisfaction of the requirements of the federal program from which reimbursement is or will be sought;
- A certification by the Commissioner of the DEP that the Project is necessary and appropriate to repair damage to a wastewater treatment system or water supply facility directly arising from an act of terrorism, seismic activity or weather conditions that occurred within the three State Fiscal Years after a declaration by the Governor of the State (the “Governor”) of a state of emergency, provided that such wastewater treatment system or water supply facility is located in a county included in the Governor’s state of emergency declaration, or
- Mitigate the risk of future damage to a wastewater treatment system or water supply facility from an act of terrorism, seismic activity or weather conditions comparable in scope and severity to an act of terrorism, seismic activity or weather conditions that occurred within the three State Fiscal Years after a declaration by the Governor of a state of emergency, provided that such wastewater treatment system or water supply facility is located in a county included in the Governor’s state of emergency declaration;
- The Project is listed on the SAIL Disaster Relief Emergency Financing Program Priority List for funding in the forthcoming State Fiscal Year submitted to the Legislature in a form provided by the Commissioner of the DEP and within 3 fiscal years of the declared disaster;
- The proposed Borrower has submitted a complete application for the Project to the I-Bank; and
- The Board of Directors of the I-Bank has certified the Project.

The majority of SAIL loan applicants have confirmed interest in long-term NJEIFP financing for a portion of project costs and as such, such SAIL projects will be certified for compliance with SAIL and NJEIFP program requirements as well as program requirements of the applicable federal program from which reimbursement is sought. Given the potential risks to FEMA funding eligibility if EPA capitalization grants are utilized for any portion of long-term loans, significant resources are being committed to ensure consistency of funding sources.

Given the necessity that project expenses meet FEMA/HUD requirements as a condition of reimbursement and the need to have such applications approved expeditiously, the program has retained an outside engineering

consulting firm to assist in the review of construction design and eligible costs, conduct site visits and review disbursements. Although it is anticipated that the majority of such costs will be reimbursed by federal funding sources, ineligible/unreimbursed amounts are the responsibility of the applicant. Qualifying SRF amounts will be financed by NJEIFP and paid for by the SAIL program Borrower. Such costs will typically be incorporated into the long-term financing program package.

A particularly successful Program, fourteen (14) SAIL projects, with an estimated cost of \$638.1 million, have expressed interest in SAIL financing, all of which are projects to improve the resiliency of wastewater facilities adversely impacted during Superstorm Sandy. As of January 2021, nine (9) have completed construction at an estimated project cost of \$187.4 million, three (3) are under construction at a total estimated project cost of \$75.7 million, and it is anticipated that the remaining two (2) projects will be awarded construction before the end of 2021.

SAIL participants also enjoy a number of unique benefits including an abbreviated application review period. Borrowers benefit from a streamlined FEMA reimbursement process: (1) the I-Bank provides funds to Borrowers to pay construction costs within an average of forty (40) days of receipt of requests for reimbursement, a marked improvement relative to project sponsors who would otherwise be seeking reimbursement from FEMA individually; and (2) SAIL staff possesses an expertise in FEMA regulations and compliance matters and guide Borrowers in the proper structuring of reimbursement requests to reduce the frequency of rejected or unreimbursed cost submissions as well as the probability of non-compliance with FEMA's requirements.

*The SFY2022 Disaster Relief Emergency Financing Program Project Priority List set forth in Appendix A identifies environmental infrastructure projects eligible for SAIL financing pursuant to N.J.S.A. 58:11B-9.5. Projects having received SAIL financing through December 31, 2020 are set forth in Appendix C.*

## **ELIGIBLE PROJECTS / BORROWERS**

The NJEIFP provides funding for environmental infrastructure projects with a primary focus on clean water and drinking water construction, rehabilitation and repair of systems which are owned and or operated by local government units and public water systems (entities possessing a permit for the delivery of Safe Drinking Water).

Projects eligible for Clean Water funding include wastewater management, storm water management and non-point source pollution control projects, landfill closures, open space land acquisition, brownfield remediation and well sealing. Owners of publicly-owned treatment works (towns, boroughs, municipal utilities authorities, counties, regional water authorities, other local government units, etc.) with projects to improve water quality are eligible for the Financing Program. Private entities are eligible through public conduit Borrowers. The NJEIFP also opened up project eligibility to private colleges and universities that are interested in sponsoring nonpoint source pollution projects to help address water quality concerns under the Clean Water SRF.

Projects eligible for Drinking Water funds include the rehabilitation or development of sources to replace contaminated drinking water sources, treatment and storage facilities transmission/ distribution pipes and appurtenances to prevent contamination or improve water pressure to safe levels, and upgrades to security

measures. Detailed information regarding eligible projects is set forth below. Public community water systems, both privately and publicly owned, and nonprofit non-community water systems (as defined by the National Primary Drinking Water Regulations) are eligible for NJEIFP assistance. Public community water systems owned by water commissions, water supply authorities, and water districts are also eligible. Federally owned systems and State-owned system (State agencies, such as State Police, Parks and Forestry, and Corrections) are not eligible to receive NJEIFP assistance.

In addition to the project types listed above, project sponsors are encouraged to propose any projects to the NJEIFP that have energy efficiency, water efficiency or clean air aspects that may not typically be viewed as a clean water or drinking water project. These activities are likely to be eligible for NJEIFP assistance as USEPA has indicated their support for these sustainability initiatives and the construction of Green Infrastructure.

Applicants must demonstrate an ability to meet repayment obligations and satisfy the Program's credit worthiness standards, which requires an investment grade credit rating or a suitable credit enhancement with exceptions provided for very small loans. Approximately 90% of the Financing Program's current Borrowers provide a municipal general obligation pledge.

## **BORROWER BENEFITS**

In addition to the significant interest cost savings, Program participants realize significant cost-saving measures through the following program features:

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### **DOLLAR SAVINGS**

- Interest Free Funds during Construction – Currently, during the short-term loan period, Borrowers pay no interest on funds utilized;
- Interest Cost Savings – Those program Borrowers who closed long-term loans prior to SFY2020 received 75% of their long-term financing from the DEP at 0% interest and the remaining 25% of funds from the I-Bank at the I-Bank's AAA market rate, creating a "blended" loan rate of 25% of the AAA market rate. This lower cost of funds results in interest savings of as much as 40% of the total loan amount over 30 years when compared to the cost of these Borrowers financing their projects on their own. Under the terms of the SFY2021 and SFY2022 Program where Borrowers will receive long-term financing from the DEP and I-Bank that results in a "blended" loan rate of 50% of the I-Bank's AAA market rate (privately-owned water systems will receive a "blended" loan rate of 75% of the I-Bank's AAA market), the result is an interest savings of as much as 20% of the total loan amount over 30 years when compared to the cost of these Borrowers financing their projects on their own. This savings is even more for Borrowers with credit ratings less than AAA.
- Earnings Credits – Investment earnings from all bond funds, such as the project fund, revenue fund and, when applicable, debt service reserve funds, are distributed to Borrowers as credits toward their debt service payments;

- No bond insurance required - The Program’s financial structure produces the highest possible credit rating without the expense or requirement for Borrowers of purchasing costly bond insurance;
- No reserve – Borrowers in the Financing Program are exempted from the Division of Local Government Services requirement of posting a 5% reserve prior to bond issuance;
- Minimized financing costs – Borrowers are charged a flat 10 basis point fee for cost-of-issuance of I-Bank bonds on the I-Bank portion of their total project loan. The remainder of the cost-of-issuance of the bonds is paid by the I-Bank;
- No front-loading requirement – LGUs issuing their own general obligation debt are required to “front load” their repayment schedule. This ensures that debt service payments are larger in the early years of the loan and decline over time. The Financing Program provides for level debt service throughout the life of the loan normalizing annual payments for rate payers;
- Refunding – The I-Bank continually monitors market conditions to assess when interest rates meet the State’s savings threshold for refunding prior bonds. All savings realized from prior bond refundings (a total of \$185 million since the Financing Program’s inception), are passed on to Borrowers, further lowering their loan costs; and
- Debt service reserve fund – Investment grade rated Borrowers are relieved of their obligation to commit a portion of loan funds to debt service reserve due to the Program’s Master Program I-Bank collateralization structure.

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#### CASH FLOW FLEXIBILITY

- Upfront Cash – The disbursement of funds is expedited based on a rapid requisition approval process relieving Borrowers from utilizing cash-on-hand to pay contractors and vendors up front;
- Capitalized interest –Borrowers may capitalize interest on the long-term loan as allowable by the IRS guidelines;
- Deferred Principal Repayment – During the Short-Term loan period no principal repayments are due. Additionally, to better align a project’s cash flow dynamics, Borrowers may defer principal repayment as allowable by the IRS guidelines;
- Generous allowable costs – Associated project costs, including planning and design, engineering, local financing and curb-to-curb right-of-way restoration may be financed through the program. An eligible project’s reserve capacity costs such as excess project capacity may be financed through an I-Bank-only loan; and
- Flexible Term - Shorter term financing is available for Borrowers who wish to minimize the repayment period of their loan.

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## ADMINISTRATIVE

- No Arbitrage Worries - The I-Bank manages federal IRS arbitrage rebate requirements, relieving Borrowers of the cost and administration of this obligation;
- No Secondary Disclosure Requirements – Due to the size of the Financing Program, presently no single Borrower is a Material Obligated entity. As a result, Financing Program Borrowers are not required to fulfill secondary disclosure requirements for the S.E.C.; and
- Timely Decisions – The Department prioritizes Financing Program project reviews.

## SFY2020 NJEIFP SUMMARY

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### PROJECTS

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#### LONG-TERM FINANCING

**Bond Pool Projects:** A total of **twenty-four (24)** Borrowers representing **thirty-six (36)** clean water and drinking water projects received long-term NJEIFP financing in the amount of **\$177,555,297** in SFY2020. Most of these projects were funded as part of bond pools through a combination of bond proceeds and state and federal funding sources. Most loans received an interest rate equivalent to 25% of the I-Bank AAA market rate.

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#### SHORT-TERM LOAN PROJECTS

In the SFY2020 Financing Program, **forty-three (43)** Borrowers representing **sixty-one (61)** clean water and drinking water projects received short term construction loans in the amount of **\$289,223,107**. None of these forty-three Borrowers received long-term financing by June 30, 2020.

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#### SAIL LOANS

Two disaster emergency SAIL Program loans issued by the I-Bank were converted to long-term financing in SFY2020 to finance Superstorm Sandy-related rebuild and resiliency projects in the total amount of \$23.70 million:

- **Middlesex County Utilities Authority** secured \$87,953,113 in short-term financing through the SAIL program for restoration and flood mitigation, restoration of mechanical HVAC and electrical equipment instrumentation. To date, \$66,832,086.33 has been reimbursed by FEMA and \$21,363,974 has been converted to long-term financing through the I-Bank in SFY 2020.
- **Passaic Valley Sewerage Commission** secured \$3,402,331 in short-term financing through the SAIL program for the rehabilitation of PVSC's Administration Building due to flooding damage from Superstorm Sandy. To date, \$1,069,794 has been reimbursed by FEMA and \$2,332,537 has been converted to long-term financing through the I-Bank in SFY2020.

These SAIL loans allowed the undertaking of the physical construction months in advance of when such projects might have otherwise begun, allowing the disaster-impacted system to build resiliency and return to more normal conditions sooner and with less financial strain on the communities.

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## TOTAL SFY2020 PROJECTS

**In SFY2020, 106 projects received funding through short-term and/or long-term loans totaling approximately \$332.28 million.**

*See Appendix E for a Summary of these projects.*

## NJEIFP FINANCING PROGRAM STRATEGY

### PRIORITY SYSTEM, INTENDED USE PLAN (IUP), AND PROJECT PRIORITY LIST

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#### BASE SFY2022 NJEIFP LOANS

The CW Plan and DW Intended Use Plans detail the State's proposal to expend federal capitalization grants to finance the NJEIFP's Clean Water and Drinking Water project loans in the ensuing State fiscal year. The proposed CW and DW Plans for SFY2022 were published in December 2020. This Report, in part, reflects the contents of the proposed CW Plan for both the SFY2022 Base and Sandy Financing Programs and proposed DW Plan for the SFY2022 Base Program (all Sandy funds for the DW Program have been awarded).

Sources of funding for Superstorm Sandy projects for FFY2021/SFY2022 will come from the unused portion of FFY2017 Disaster Relief Appropriations Act ("DRAA"), and authorized funds from the DEP and the I-Bank. Although the Department is working to award all the Sandy CWSRF funds in the SFY2021 Program, there is the possibility that not all of the available funds will be utilized by the end of the fiscal year. Therefore, the Department will continue to accept application submittals under the Sandy CWSRF Program, which generally includes a principal forgiveness component of approximately 19% of the allowable costs. If all the Sandy CWSRF funds are awarded in SFY2021, new application submittals will still be eligible for financing under the Base Loan Program's loan structure.

Consistent with the SFY2021 Intended Use Plan, the DEP is reserving 4% of the Sandy capitalization grants for program administration expenses and reserving an amount equal to the 20% State Match to ensure that the source funding for the State Match is used in a manner compatible with its origination.

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#### PRIORITY SYSTEM

A single priority system is utilized for both the CW-Base SFY2022 and CW-Sandy Financing Programs. The CW Plan and DW Plan each include a priority system that identifies the project activities that are eligible to be financed in each year's Financing Program. *Eligible project activities are summarized below.*

The CW Plan and DW Plan priority systems set forth the methodology utilized to rank projects. The principal elements of the CW proposed priority system are local environmental enhancement planning activities, project discharge category, water use/water quality, smart growth approvals and population. The highest-ranking systems are those that address discharges of raw, diluted or inadequately treated sewage to the State's waters during wet weather.

The DW proposed priority system describes the ranking methodology for eligible drinking water projects. Project ranking within the DW SFY2022 Base Financing Program priority system is based on criteria pertaining to compliance, public health, approved water supply plan/studies, state designations, affordability, and population. The current priority system ranking methodology used for ranking CW and DW projects is set forth below.

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## PROJECT PRIORITY LISTS

Upon receipt of a project sponsor's project information page through H2LOans, the Department determines project eligibility, ranks the project pursuant to the CWA or SDWA priority system, and places the project in ranked order on a Project Priority List. Identification of a project on a Project Priority List is a prerequisite to NJEIFP loan eligibility.

A Project is then eligible to apply for a Construction loan upon the submission of the Project Priority List with the legislature, the applicant's satisfaction of program application requirements and DEP's approval of a project contract (initially for engineering planning and design and later construction). Upon completion of a percentage of construction (as determined by the program, eventually increasing to 100%), a Project on a Project Priority List will be designated eligible for long-term funding and placed, with other like projects, onto a sub-list referred to as the "Project Eligibility List." Upon enactment of the appropriations law identifying such project for long-term financing, and subsequent long-term loan closing, a project is removed from the Project Priority List. The projects eligible to participate in the SFY2022 Financing Program and their relative rank are set forth in the SFY2022 Project Priority List.

For DW projects, the Department will continue to provide authorizations to advertise and award contracts to allow an applicant to remain eligible to receive funding from the program if funds become available and the project is within the fundable range in accordance with the IUP. Applicants who proceed with bid advertisement and contract award do so without any commitment from the Department that funds will be provided and with an understanding the project sponsor is proceeding at its own risk and at its own costs until a determination of available Water Bank funds is completed.

The combined CW and DW projects on the Project Priority List for the SFY2022 Base Financing Program and Sandy Financing Program include a pool of six hundred (600) Clean Water and Drinking Water projects at a total estimated cost of \$6.02 billion. The SFY2022 Clean Water Interim Financing Program Project Priority List set forth in *Appendix A* includes environmental infrastructure projects eligible for financing pursuant to the Clean Water SFY2022 NJEIFP and Superstorm Sandy financing programs and consists of three hundred and ninety-three (393) Clean Water projects at a total estimated cost of \$4,463,916,319, inclusive of Clean Water Pinelands

projects. The SFY2022 Drinking Water Interim Financing Program Project Priority List *set forth in Appendix B* includes projects eligible for financing pursuant to the SFY2022 Drinking Water Financing Program and consists of two hundred seven (207) Drinking Water projects at a total estimated cost of \$1,557,393,582.

The Project Priority Lists for the Clean Water and Drinking Water Programs reflect information provided by the individual project sponsors and the Department’s project ranking. A Project Priority List is an inaccurate indicator of projects to be funded in a given Fiscal Year. Projects are included with little effort by the project sponsor (submission of project information). Moreover, project cost information is generally inaccurate due to its calculation prior to project design and frequent revisions during the application process to reflect changes in scope and other circumstances. Changes are subject to DEP review and approval and may result in a change to project ranking. Finally, applicants routinely defer or withdraw projects from funding for myriad business reasons. As such, the project type descriptions and loan amounts should be relied upon only for general information.

## ELIGIBLE PROJECT ACTIVITIES

### CLEAN WATER

Base SFY2022 NJEIFP Loans are available for all traditional project activities fundable under the NJEIFP as set forth below, such as improvements to wastewater and stormwater systems. Pursuant to USEPA requirements, Sandy NJEIFP loans are limited to a subset of the traditional project activities that improve the resiliency of a system adversely impacted during Superstorm Sandy. SFY2022 and Sandy NJEIFP Loans are also subject to the availability of funds.

### CLEAN WATER BASE SFY2022 NJEIFP PROJECTS

i. **Wastewater:**

Most projects associated with sewage collection, treatment, or disposal are eligible for financing, including correction of inflow/infiltration problems, sludge management and combined sewer overflows. Eligible projects include:

- Secondary and advanced wastewater treatment
- Well sealing
- Flood resiliency
- Sludge handling facilities
- Infiltration and inflow (I/I) correction
- Interceptors, pumping stations and force mains

- Sewer system rehabilitation
- New collection systems
- Correction of Combined Sewer Overflows (CSOs)
- Solutions for malfunctioning septic systems
- Wastewater reuse and conservation projects
- Combined Heat and Power (CHP) facilities
- Emergency Repair Projects to replace, in kind, the failure of an essential portion of a wastewater system that will disrupt service for a minimum of 24 hours total and/or poses a substantial threat to the public health, safety and welfare.

ii. **Stormwater:**

Eligible projects include construction, expansion or replacement of stormwater management systems, including the following:

- Non-point Source Pollution/Stormwater management
- Construction of regional basins
- Major stormwater system rehabilitation
- Replacement of existing storm drains
- Rehabilitation of tide gates
- Extension of outfall points
- Runoff control (manure/feedlots and stream bank stabilization/ restoration)
- Stream/lake embankment restoration
- Salt dome construction

iii. **Equipment:**

Equipment that provides a water quality benefit can be financed under the NJEIFP including, but not limited to:

- street sweepers
- generators

- sewer flushing and cleaning equipment
- dump trucks
- crawler loaders
- skimmer boats
- aquatic weed harvesters
- outfall netting

iv. **Security Monitoring:**

Projects designed to improve security at otherwise funding eligible wastewater and drinking water facilities are eligible for funding, including but not limited to fencing, lighting, motion detectors, cameras, secure doors, and alternative auxiliary power sources.

v. **Green:**

Green projects are those clean water and drinking water projects that incorporate Green Infrastructure and water or energy efficiency improvements\* (those that reduce greenhouse gas emissions, for example). “Green infrastructure” includes such practices as replacing existing pavement with porous pavement, utilizing bioretention, renewable energy, constructing green roofs, creating rain gardens, and other practices that mimic natural hydrology and increase effective perviousness.

\*Water Bank eligibility for energy efficiency improvements is limited to the pro rata share of capital costs that provide power to a publicly owned treatment works.

vi. **Brownfields:**

The cleanup of abandoned and contaminated industrial sites is eligible for financing provided a local or county government assumes the repayment obligation for the loan. The NJEIFP will finance the removal of contaminated soil, site-capping and the installation of stormwater controls.

Returning Brownfield sites to productive use protects the environment and preserves open space. Every acre of Brownfield redevelopment spares 4.5 acres of pristine land from development. Brownfield redevelopment also boosts local tax revenue, creates jobs, revitalizes New Jersey's cities and towns, and improves the quality of life for area residents.

The NJEIFP provides loans to municipalities, counties and public authorities to support a wide range of cleanup and remediation activities necessary to restore the Brownfield site for re-use.

vii. **Landfills:**

Landfill construction activities having a water quality benefit are eligible for NJEIFP financing. Examples include:

- New Landfills (Water quality/protection aspects) \*
- Capping systems
- Liners
- Leachate collection systems
- Treatment systems
- Sewer connections
- Barge shelters
- Containment booms
- Litter fences
- Gas collection and treatment systems
- Monitoring wells
- Reclamation or reduction activities

\* New landfill and landfill cell construction projects that have a water quality benefit are eligible for a funding package that will consist of loan financing with a blended interest rate of 75% of the I-Bank AAA Market Interest Rate for the allowable project costs. Other landfill construction projects that have a water quality benefit are eligible for the Base CWSRF financing package.

viii. **Land Preservation:**

The NJEIFP provides financing for the preservation of open space and farmland given the water quality benefit achieved through such acquisitions. The Program funds preservation with regard to properties protecting stream headwaters and corridors, wetlands, and aquifer recharge areas. Financing for land is compatible with the Green Acres Program, the Garden State Preservation Trust, and Open Space programs financed by local and county Open Space taxes.

While lands purchased through the NJEIFP for preservation as part of Open Space cannot be developed, they may be used for passive recreational activities, such as hiking, fishing and horseback riding. Placement of conservation easements on funded parcels is a requirement which assures that the water quality benefits are preserved in perpetuity. Farmland preservation and best management practices are also eligible.

The NJEIFP will coordinate with the Green Acres Program, when appropriate, to maximize a community's limited open space funds for land acquisition. Through this partnership, municipalities can receive the additional resources to facilitate the purchase of larger and/or more expensive parcels.

ix. **Allowable Ancillary Costs:**

Additional costs that are eligible within a project include:

- Road repaving
- Utility relocation
- Site grading
- Purchasing land for stormwater use

x. **CSO Long-term Control Plan Costs:**

Projects to develop and implement asset management plans, CSO long-term control plans, and water loss prevention plans are eligible for financing and possible principal forgiveness. The loans must be rolled into an NJEIFP capital improvement project. CSO long-term control plans can receive loans for up to ten (10) years.

xi. **Planning and Design:**

Costs incurred in the planning and design phase of a water infrastructure project such as engineering fees, surveys, environmental or geological studies and other costs related to project plan preparation are eligible for funding under the Short-Term Loan Program. The loans must be rolled into an NJEIFP capital improvement project or repaid within three years.

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## CLEAN WATER SANDY SFY2022 NJEIFP PROJECTS

Although NJEIFP staff is working to award all of the Sandy CWSRF funds in the SFY2021 Program, there is the possibility that not all Sandy Funds will be committed in the current fiscal year. Given this possibility, the Program will continue to accept application submittals under the Sandy CWSRF Program for SFY2022, which includes a principal forgiveness component of approximately 19% of the allowable costs.

Clean Water Projects may qualify for Sandy NJEIFP funding if they fall within one of the following categories:

- Projects that prevent interruption of collection system operation in the event of a flood or natural disaster;
- Projects that prevent floodwaters from entering a treatment works;
- Projects that maintain the operation of a treatment works and the integrity of the treatment train in the event of a flood or natural disaster;

- Projects that preserve and protect treatment works equipment in the event of a flood or natural disaster; and
- Planning projects that assess a treatment works' vulnerability to flood damage or that analyze the best approach to integrate system and community sustainability/resiliency priorities in the face of a variety of uncertain futures including natural disasters and more frequent and intense extreme weather events, provided the planning work is reasonably expected to result in a capital project.

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## DRINKING WATER

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### DRINKING WATER BASE SFY2022 NJEIFP PROJECTS

Public community water systems (as defined by the National Primary Drinking Water Regulations), both privately and publicly owned, and nonprofit non-community water systems are eligible for NJEIFP Loans. Other types of water systems – both public and nonpublic – are not eligible. The main objective of DWSRF funding is to protect the public health in conformance with the objectives of the SDWA. Federally owned systems and State-owned systems (State agencies, such as state police, parks and forestry, and corrections) are not eligible to receive NJEIFP Loans. However, State authorized systems (water commissions, water supply authorities, and water districts) are eligible to receive NJEIFP Loans.

NJEIFP drinking water projects may qualify for funding based on the following criteria:

i. **Compliance and Public Health:**

- **General Guidelines**

NJEIFP Drinking Water Loans are only available for projects (not including monitoring, operation, and maintenance expenditures) that will facilitate compliance with National Primary Drinking Water Regulations and applicable USEPA guidance, so that water systems may further achieve the health protection objectives of the SDWA. These include projects to maintain compliance with existing regulations for contaminants with acute health effects (e.g., the Surface Water Treatment Rule, the Revised Total Coliform Rule, Ground Water Rule and nitrate standard) and existing regulations for contaminants with chronic health effects (e.g., Lead and Copper Rule, regulated inorganics, volatile organics and synthetic organics, disinfection by-products, and radiological contaminants). In addition, projects that address the exceedance of a recommended upper limit for secondary contaminants and contaminants that exceed Department guidance levels are DWSRF eligible. Certain types of projects that address water supply issues related to public health protection are also eligible.

- **Projects to Replace Aging Infrastructure**

Replacement projects are also eligible if they are needed to maintain compliance or further the public health protection goals of the SDWA. Examples of these include projects to:

- Rehabilitate or develop sources (excluding reservoirs, dams, dam rehabilitation, and water rights) to replace contaminated sources;
  - Install or upgrade treatment facilities, if the project would improve the quality of drinking water to comply with primary or secondary drinking water standards;
  - Install or upgrade storage facilities, including finished water reservoirs, to meet minimum system storage requirements or prevent the introduction of microbiological contaminants to the water system;
  - Install or replace transmission and distribution pipes to prevent contamination caused by leaks or breaks in the pipe, or improve water pressure to safe levels; and
  - Install and enhance security at drinking water systems, including fencing, lighting, motion detectors, cameras, and alternative auxiliary power sources.
- Projects to Consolidate Water Supplies

Consolidation projects are eligible for NJEIFP Loans, as follows: 1) extension of water mains by a community water supply system to individual homes with contaminated wells; or 2) purchase or consolidation (i.e., restructure) of a water system that is unable to maintain compliance for technical, financial, or managerial reasons only if the financial assistance will ensure that the system returns to and maintains compliance with SDWA requirements and the owner or operator of the water system agrees to undertake feasible and appropriate changes in operations necessary to ensure the system has the technical, managerial, and financial capability to maintain long-term viability and compliance with SDWA requirements.

ii. **Multi-Year Projects / New Wells:**

The construction of a new well presents challenges due to the extended length of time required to satisfy all permit requirements and obtain permit approvals. In order to provide a greater number of financing options and to get funds to water systems earlier in the well construction process, the NJEIFP offers more than one loan for new well projects.

A Short-Term loan is available for the **installation** of a well. Under this process, a project sponsor will apply for a loan to drill a well (new or replacement). The project sponsor would be eligible for loan award after DWSRF programmatic requirements are met and a Bureau of Water System Engineering (BWSE) permit to construct is issued and appropriate well permitting conditions are met. In the case of a test well, a well drilling permit is required only. In this scenario, the well could be constructed but not operated until a final permit is issued. If in the event of unforeseen conditions in which the well could not be utilized or re-designated from a test well to a production well, the project sponsor would be eligible for an additional Short-Term loan to construct a second well. However, the project sponsor will be required to submit documentation describing the failure of the first well and adequate technical analysis supporting the construction of the second well. The project sponsor would remain liable for

both loans for both wells. The intent of this program is to ensure that the project sponsor has a usable well that will perform as intended over the life of the loan(s) and to provide the project sponsor with viable financing alternatives.

After a major modification for the Water Allocation diversion permit is issued, if applicable, the project sponsor could apply for an additional Short-Term loan to construct the necessary **appurtenances**, such as a well house, pump, associated treatment, etc. If the project sponsor does not pursue an additional loan for the construction of well appurtenances, the project sponsor must still commit to finalizing the project such that the result is a fully functioning, permitted production well.

An overview that details the process and duration of the new well funding process, such as the steps to obtain the Bureau of Water System Engineering and Bureau of Water Allocation and Well Permitting permits, obtain loan approvals, and submit all required DWSRF loan documents is summarized in a timetable, a copy of which is available by contacting the DWSRF staff at (609) 292-5550.

iii. **Green Project Reserve (GPR):**

GPR Projects are defined by USEPA as projects that address Green Infrastructure, water or energy efficiency improvements, or other environmentally innovative activities. Projects meeting this definition will follow the same process as all other NJEIFP drinking water projects. Certain projects, associated with the drinking water system improvements, are considered by USEPA as categorically eligible projects; such as solar power, wind turbines, geothermal or hydroelectric power, green roofs, bio-retention, porous pavements, grey water use, US Building Code LEED certified facilities, installing water efficient devices, new meters for an unmetered area, replacing existing meters with an automated meter reading system and pressure reducing valves. Certain projects may be eligible but need extra justification under a business case review; such as cleaning and lining of water mains, replacing water meters with traditional meters, replacement of water mains or storage tanks to reduce water losses, energy efficient upgrades to pump stations or treatment plants and installation of SCADA systems.

Further clarification on GPR is available at: <https://www.epa.gov/cwsrf/green-project-reserve-guidance-clean-water-state-revolving-fund-cwsrf>.

iv. **Small Drinking Water System Loan Projects:**

**Nano Loan Program**

The Small Systems loan program is designed to facilitate small system access to DWSRF financing. Qualified Borrowers are existing publicly-owned and privately-owned community water systems and non-profit, non-community water systems serving populations of 10,000 persons or less. These loans consist of principal forgiveness financing for 50% of project costs and a loan with a Blended Interest Rate of 50% of I-Bank's AAA Market Interest Rate for 50% of project costs. Projects are capped at \$1 million. Additional financing is available at the applicable base rates for amounts greater than the \$1

million cap. These projects are selected based on priority ranked order. In addition, the DEP intends to prioritize projects that have secured federal/non-profit grants to be leveraged with SRF funding.

## PROJECT RANKING METHODOLOGY

### CLEAN WATER RANKING CRITERIA (BASE SFY2022 NJEIFP AND SANDY NJEIFP)

The Department ranks all projects based on the total number of ranking points each project receives and places the projects on the Priority List according to their ranking. The ranking system gives highest priority to projects that address discharges of raw, diluted, or inadequately treated sewage to the State's waters during wet weather, including projects to abate combined sewer overflows (CSOs) and projects to address sanitary sewer systems that overflow. CSO abatement projects are expensive and are usually located in financially distressed urban areas, making cost a serious concern. Discharges from combined sewer systems and sanitary sewer overflows impair water uses and can lead to the closing of beaches and shellfish beds. Lower-ranked projects can also qualify for financing since projects are certified/approved based not only on the project's rank, but also on the amount of available funds, and compliance with the Program's requirements for planning, design and application submittal.

The Department encourages project sponsors that do not have an existing Asset Management Plan to develop and implement one. Asset management requires actively managing infrastructure capital assets to minimize the total cost of owning and operating them, while delivering the service levels customer's desire. Each utility is responsible for making sure that its system stays in good working order-regardless of the age of components or the availability of additional funds. Asset management programs with long-range planning, life-cycle costing, proactive operations and maintenance, and capital replacement plans based on cost-benefit analyses can be the most efficient method of meeting this challenge.

The Department's Priorities List provide a strategic foundation for structural changes and include objectives to implement projects that will help to protect, maintain and improve water quality in and around the Barnegat Bay while determining the best long-term approach for restoring the ecological health of the Bay. To support these efforts to improve the water quality of the Bay, the project ranking methodology for the SFY2022 Financing Program provides an additional 300 priority points to nonpoint source and stormwater runoff control projects that are intended to benefit the Barnegat Bay. The additional 300 points will also be assigned to wastewater reuse projects that are intended to offset the loss of freshwater flows caused by the regionalization of sewage treatment plants and the use of ocean outfalls.

In addition to Barnegat Bay projects, projects receive points under five categories. These are (i) Sustainable Community Planning Activities, (ii) Project Discharge Category, (iii) Water Use/Water Quality, (iv) Smart Growth Approvals, and (v) Population.

i. **Sustainable Community Planning Activities:**

The purpose of the provisions in this section is to encourage and facilitate implementation of environmentally sustainable practices at the local government level. Prudent environmental planning

that incorporates sustainability measures is necessary to achieve cost-effective and environmentally sound water quality improvement within the watershed. Additional priority points will be awarded to projects located in or benefiting municipalities that have implemented programs and actions that go beyond compliance with existing regulatory requirements and incorporate the following environmental enhancement planning strategies.

**Watershed-Based Implementation Plans:** Watershed-Based Implementation Plans address impairment(s) found on Sublists 4 or 5 of the New Jersey Integrated Water Quality Monitoring and Assessment Report. Prudent watershed planning is necessary to achieve cost-effective and environmentally sound water quality improvement within the watershed. To provide an incentive for project sponsors to complete watershed-based plans that promote the implementation of point and nonpoint source pollution control projects that are consistent with Department goals, projects located in or benefiting municipalities that demonstrate implementation of watershed-based plans will be given an additional 50 priority points.

**Implementation of Regional Stormwater Management Plans:** Regional stormwater management plans are voluntary local analyses that provide targeted protection to a specific area based on local issues and conditions. Regional stormwater management plans are adopted into Water Quality Management Plans and may include specific implementation projects that address existing impacts of stormwater runoff. Projects located in or benefiting municipalities with adopted regional stormwater management plans will be provided an additional 50 priority points.

**Sustainable Community Planning:** Sustainable communities develop and adopt master plans and ordinances that improve the overall quality of life for citizens of today as well as generations of tomorrow by planning within natural resource capacity constraints and providing for a healthy economy, environment and society. Projects located in or benefiting municipalities where sustainable community strategies have been developed and master plans and/or ordinances adopted will be awarded an additional 100 priority points. These strategies/ordinances must include but are not limited to the following:

- A plan to reduce water consumption and increase water efficiency and re-use.
- Policies that require consideration of green design in municipal construction projects and redevelopment projects, such as green roofs, green streets, tree filters, rain gardens, rain barrels, porous pavements, etc.

The SFY2022 Priority System reflects the Department's priorities to encourage sustainable growth in communities by incorporating consistent criteria for the protection of natural resources and implementation of smart growth and green design principles.

Green design principles include green building practices that increase energy and water efficiency; use renewable energy; use environmentally friendly building materials that are made with recycled

materials, are durable, sustainably harvested or produced locally; improve indoor air quality; and make appropriate site selection and minimize site disturbance to reduce environmental impacts.

ii. **Project Discharge Category Points:**

<b>Table IA. Ranking Points Related to Project Discharge Category for Wastewater Treatment Facilities</b>		
<b>Project Discharge Category</b>	<b>Description</b>	<b>Points</b>
Combined Sewer Overflow (CSO) & Sanitary Sewer Overflow (SSO)	This category includes projects that involve combined sewer system (CSS) rehabilitation/repair, the construction of treatment and/or storage facilities within CSS, at discharge locations or at STPs that reduce or eliminate CSOs, or the separation of combined sewer systems by the consolidation and elimination or sealing of CSO discharge points. Also included are projects that implement corrective measures to fix overloaded conveyance systems that experience chronic overflows.	600
Sewage Treatment Plant (STP) Improvements	STP improvements include upgrades or other improvements to a treatment process or the elimination of an existing STP and the connection to an alternative treatment facility to meet applicable treatment levels. This category also includes the purchase and installation of security and energy efficiency measures at the STP.	500
Sanitary Sewer System Rehabilitation	This category includes a wide variety of corrective measures to sanitary sewer collection and conveyance systems that do not experience chronic overflows, such as the rehabilitation, repair, or replacement of sanitary sewers, pump stations, interceptors, or the purchase of equipment to properly maintain the sanitary sewer system.	450
Sludge Treatment/Disposal Facilities	Included in this category are projects involving the construction of facilities to manage sludge from STPs or from potable water treatment activities, such as the installation of dewatering equipment, or the implementation of land application or composting activities. Also, included in this category of projects are improvements or repairs to sludge incinerators.	350
Wastewater Reuse	Wastewater reuse includes the construction of facilities that promote the reclamation of water for beneficial reuse such as the use of treated effluent for agricultural or other purposes. This category includes the construction of conveyance and distribution systems to allow for reuse activities.	300
Septic System Repair/Replacement	Under this category are projects that involve repairs, improvements, and/or replacement of individual or small community, on-site septic systems.	275
New Systems	This category includes projects that involve the expansion of a STPs' treatment capacity, and the construction of new facilities to provide collection, conveyance or treatment of sanitary sewage.	250

All projects receive ranking points based on the project discharge category. In case of multiple purpose proposals, projects qualify for the discharge category that represents the major scope of the project. If a project has aspects that can be described by more than one category, the project may be broken into

separate projects. Tables IA and IB show the project discharge categories and their corresponding ranking points.

In addition to the point assignments above, projects that implement green infrastructure, water or energy efficiency improvements (including projects that are designed to reduce greenhouse gas emissions) will receive an additional 50 priority points. Green infrastructure includes such practices as replacing existing pavement with porous pavement, bio-retention, green roofs, blue roofs and other practices that mimic natural hydrology and reduce effective imperviousness. Water and energy efficiency activities that can qualify for the additional points include the installation of digester or landfill gas recovery/reuse systems, photovoltaic cells, wind turbines, wastewater reuse, etc. Projects that are a mix of traditional and green technologies are only assigned the points if the green components represent a significant amount of the overall project activities.

<b>Table IB. Ranking Points Related to Project Categories for Stormwater and Nonpoint Source Pollution Management Facilities</b>		
<b>Project Category</b>	<b>Description</b>	<b>Points</b>
Stormwater Management and Other NPS activities	This category includes the construction or rehabilitation of stormwater basins, sewer systems or storm drains, the extension of outfall pipes, green roofs, green streets, tree filters, rain gardens, rain barrels, porous pavement or the purchase of maintenance equipment (such as street sweepers, aquatic weed harvesters and skimmer boats). Also, included in this category are projects that stabilize streambanks, restore lakes or address runoff from salt storage facilities and the implementation of measures to address pollution concerns from agricultural cropland activities and manure runoff management and feedlot operations.	225
Landfill Closure, Open Space Land Acquisition and Conservation and Well Sealing	Included in this category is the implementation of measures to prevent and control pollutants from entering groundwater at non-operating landfill sites that are publicly owned and at abandoned well locations. The category also includes open space land acquisition and conservation projects that help to protect or maintain water quality.	150
Landfill Construction and Remedial Action Activities	This category includes the construction of facilities to collect, convey and/or treat leachate and runoff from new publicly-owned landfill cells or from publicly-owned contaminated sites.	75
Projects sponsored by Conduit Borrowers/ Private Activity	This category generally includes environmental infrastructure projects where a developer, LLC, partnership or other private party is involved in the project. Also, included in this category are landfill closure measures and remedial action activities where the project site is privately owned. If a local government unit that sponsors a project on behalf of a private entity commits to providing a general obligation pledge (including its unlimited taxing power or municipal guarantee) as security for the DEP and I-Bank loans, the project is considered exempt from the conduit financing classification and corresponding funding limitations.	50

iii. **Water Use/Water Quality Points:**

Points are awarded based on the designated water uses of the receiving water as well as the existing water quality conditions in comparison to the ambient water quality standards. The assignment of points for “public nuisance” is given to on-site system projects where failures have been identified. Table II below shows the breakdown of the ranking points for water use; in general, the highest values are given for projects that discharge to water bodies with potable, recreational, and fishing uses.

<b>Table II. Ranking Points Related to Water Use (Existing and Potential)</b>			
<b>Water Use</b>		<b>Basis/Description</b>	<b>Points</b>
Public Potable Water Supply		Wastewater treatment plant discharges likely to have adverse impacts on an existing downstream potable surface water supply intake. Projects are evaluated based on relative distance between STP discharge and public potable water intake locations.	200
Recreation (“Primary Contact”)		Waters with bathing areas monitored routinely as public beaches as well as the Delaware River upstream of Trenton (north of East Bridge Street at the Lower Trenton Bridge).	125
Fishing	Shellfish	State water bodies that are designated as shellfish growing waters by <i>N.J.A.C. 7:12</i> .	125
	Trout	State freshwater bodies designated for trout production or maintenance by the NJ Water Quality Standards ( <i>N.J.A.C. 7:9B</i> ).	75
	Non-trout	State freshwater classifications not designated trout production or maintenance by <i>N.J.A.C. 7:9B</i> (see Trout description above), including all Delaware River freshwater zones above mile-point 85 as defined by the Delaware River Basin Commission.	25
Public Nuisance		Indirect water use impacts; applies to areas with identified on-site wastewater treatment system failures.	50
Agriculture		Surface water for agricultural use, such as irrigation and farm ponds, based on Department diversion permit (permits required for >70 gal/min diversion).	25
Industry		Surface water known to be used for industrial use such as cooling.	25

Table III shows the points for not meeting, or marginally meeting, certain water quality parameters. The points reflect the impact the parameters have on meeting the State’s goal to protect and enhance surface water resources, quality criteria, and designated water uses. The magnitude of the contribution that municipal sewerage facilities have on each of the conditions is reflected in the points awarded under these categories. Dissolved oxygen and fecal coliform have the highest points because of their immediate and direct impact on the fishable/swimmable water use, coupled with the fact that inadequate municipal treatment facilities can be a major cause of contravening water quality standards.

Nutrients reflect the presence of phosphorus/phosphates and nitrates/nitrites in a water body. Excessive nutrient levels in freshwater streams and lakes may result in impacts on water uses, including algal blooms, depleted oxygen levels, odor, taste and increased treatment costs for purveyors, impacts on aquatic populations, and esthetic concerns. Points are given for nutrients only if the surface waters involved significantly impact existing potable water reservoirs, surface water impoundments or lakes,

public bathing areas, or shellfish growing waters. Since there are no nutrient standards for coastal and estuarine waters, no points were assigned for discharges to those water bodies.

Points for toxics address the relative magnitude of ammonia, metals, pesticides, and organic chemicals in the water body. Toxics were also given lower points since in most cases the significant contributions of toxic substances come from industrial sources that are better controlled through pretreatment and are only incidentally abated by municipal treatment facilities. In the case of the toxicity of ammonia, municipal facilities are usually the main source, but the most significant impact is associated with streams designated for trout production/maintenance, which already receive a high number of points under the water use category.

<b>Table III. Ranking Points Related to Water Quality</b>				
<b>Water Quality</b>		<b>Points for Water Quality that</b>		
		<b>Meet</b>	<b>Marginally Meet</b>	<b>Do Not Meet</b>
		<b>The Water Quality Standard*</b>		
<b>Parameter</b>	Dissolved Oxygen	0	50	100
	Fecal Coliform	0	50	100
<b>Parameter</b>	Nutrients	0	25	50
<b>Category</b>	Toxics	0	25	50

\*The Surface Water Quality Standard for the applicable parameter or category.

iv. **Smart Growth Approvals:**

The Department seeks to coordinate and enhance the efforts to encourage smart growth through the implementation of the State Development and Redevelopment Plan. The Department assigns ranking points to projects that serve municipalities that have been approved under the Center Designation or Plan Endorsement Process.

For a project serving more than one municipality, the points were included for ranking purposes if the designated center or the endorsed plan is a significant component of the overall project. For further information regarding the State Development and Redevelopment Plan, contact the Office of Planning Advocacy in the NJ Department of State at (609) 292-7156.

<b>Table IV. Ranking Points Related to State Planning Commission Approvals</b>	
<b>Community Type</b>	<b>Points</b>
Urban Centers and Complexes	50
Regional Centers	25
Existing Designated Towns	15
Existing Villages	10
Hamlets	5

In addition, projects located in or benefiting areas designated as Brownfield Development Areas, TDR receiving areas or Transit Villages also receive 10 points, so that these projects will rank higher than similar projects that are not located in, or provide benefit to, these smart growth areas.

v. **Population Points:**

Projects are also assigned points based on the population of the area served by the project. One point is given for every million-people living in the project area on a year-round basis. Thus, if projects have the same number of ranking points after having received all eligible points, population points become the tiebreaker, with higher priority given to the project serving the higher population.

Priority Growth Investment Areas

Core criteria for a Priority Growth Investment Area includes being within one or more of the areas identified in Table 1 and within the regional planning entity areas described below.

**Table 1: Growth Areas**

1. Former State Plan Policy Map Metropolitan Planning Areas (PA 1) and Nodes
2. Unexpired Commission Approved Centers, Urban Complexes and other areas designated for development or redevelopment as the result of the Commission formally endorsing municipal or county plans
3. Municipally Designated Transfer of Development Rights "Receiving Areas"
4. Municipally Designated "Urban Enterprise Zones"
5. Opportunity Zones
6. Municipally Designated "Areas in Need of Redevelopment" or "Areas in Need of Rehabilitation"
7. Approved "Foreign Trade Zones"
8. Land within Higher Education Campuses suitable for development / redevelopment
9. NJDOT Certified Transit Villages
10. "Urban Transit Hubs" as defined by EDA's Urban Transit Hub Tax Credit Program
11. Land owned by the New Jersey Sports and Exposition Authority
12. Commission approved requests for additions areas, for example, sites that have been historically utilized for large-scale commercial, research or industrial uses, that meet Commission requirements may be submitted for inclusion by a county with the support of relevant municipalities and if relevant, the advice and consent of a regional planning entity. If a county declines to serve this role, requests will be accepted by a municipality or other appropriate entity.

## **Regional Planning Entities**

As the Act requires, this Plan must treat land within the jurisdiction of a regional planning entity based on the adopted plans and regulations of that entity. As such, the following areas are recognized as Priority Growth Investment Areas:

- *New Jersey Sports and Exposition Authority (formerly Meadowlands Commission):*

Lands identified for development and/or redevelopment within the "Land Use Map and Map of the Meadowlands District Master Plan" and the "Hackensack Meadowlands District Official Zoning Map" as amended and supplemented

- *Pinelands Commission:*

Lands identified by the Comprehensive Management Plan (CMP) as amended and supplemented as a "Regional Growth Area," a "Town" and developed sections of a "Military and Federal Installation Area"

- *Highlands Council:*

Planning Area / Areas Not Conformed - Default to Table 1; and

Planning Area / Areas in Conformance – Highlands Council Designated Centers and Redevelopment Areas

- *Fort Monmouth Economic Revitalization Planning Authority or its successor:*

Lands identified for development and/or redevelopment within the "Fort Monmouth Reuse and Redevelopment Plan" as amended and supplemented

## **Emergency Repair Projects:**

The Department recognizes that environmental infrastructure emergencies may occur that endanger public health and welfare and can result in substantial environmental damage. Such circumstances require an immediate response for which a complete technical and environmental review in advance of construction to address the emergency situation is not necessary or feasible. The Department has developed a process to respond expeditiously when emergencies occur, obtain basic project information, make an eligibility determination and issue a pre-award approval so that owners/operators can expeditiously undertake the needed repairs and maintain eligibility for those expenditures through the NJEIFP.

Qualifying emergency conditions would be limited to those where failure has occurred or where failure is imminent and unless corrected, will result in substantial pollution of the environment (such as collapse of a wastewater line) and/or substantial curtailment of the functions of the infrastructure.

See the *Emergency Loan Program Guidance Document in Appendix D* for further information on eligibility and application requirements for emergency repair projects.

**CW Order of Priority:**

The SFY2022 CW program continues the project prioritization methodology first utilized in SFY2015. Funds available at the time of project approval (authorization to award a final construction contract), will be allocated to the approved project. CW projects are prioritized for funding based on the following criteria.

**Emergency Projects**

Emergency projects are considered a public health hazard and will receive funding priority over other new projects on the Project Priority List both for interim as well as long-term financing.

**a. Supplemental Loans**

Projects which have received loans to date which require additional funds due to the award of all project related contracts or for increased costs due to differing site conditions. Priority between projects that are eligible to receive Supplemental Loans and that received their original loans in the same funding cycle will be determined according to each project’s ranking on the respective funding year’s priority list.

**b. Current Year Project Submissions**

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**DRINKING WATER RANKING CRITERIA (BASE SFY2022 NJEIFP)**

DEP assigns points to each project using the Project Priority System and ranks all eligible projects according to the total number of points each project receives. All projects are subsequently placed on the Project Priority Comprehensive List (see *Appendix B*) according to their ranking. Projects with more points are ranked above those with fewer points. The addition of new projects to the Project Priority Comprehensive List, periodic revisions to the Priority System, or the identification of new information regarding a project, may result in annual changes to an individual project ranking.

Projects receive points under five principal elements of the Priority System: (i) Compliance and Public Health Criteria, (ii) Water Supply Plans/Studies, (iii) State Designations, (iv) Affordability, and (v) Population. Points are assigned for each of the five priority categories and are discussed in more detail below.

Projects that include multiple elements, as listed in priority Category (i), are separately listed by the elements involved and priority points assigned for each element.

Category (i) includes the types of projects listed below that are eligible for DWSRF funding. A project must be assigned points from Category (i) to be eligible for ranking; points assigned from the remaining categories are in addition to the points received in Category (i). Priority points are assigned only if the project scope includes actual repair, rehabilitation, or correction of a problem or improvement clearly related to priority Category (i).

Projects that include multiple elements, as listed in priority Category (i), are separately listed by the elements involved and priority points assigned for each element.

The order of project priority for funding in the proposed DW IUP is as follows:

1. Emergency Projects are considered a public health hazard and receive funding over other projects on the Comprehensive Priority List;
2. Surface Water Treatment Rule violations including uncovered finished water reservoirs;
3. MCL and Lead Action Level Exceedances;
4. Lead Service Line replacements in communities with an MHI less than the MHI for the State for water systems without a Lead Action Level Exceedance;
5. Unregulated contaminants (contaminants of emerging concerns);
6. Small Systems serving less than 10,000 persons, up to 15 % of DWSRF Funds;
7. Corrosion control and lead service line replacement in communities serving a population  $\leq 1,000$  that have an MHI less than the MHI for the State;
8. Projects that have secured federal/non-profit grants to be leveraged with SRF funding,
9. Other projects currently on the comprehensive list.

DEP is proposing to reevaluate the project rankings at least twice a year.

The prospective applicant must notify DEP of any changes to project scope or any other circumstance that may affect the calculation of priority points. DEP recalculates, if appropriate, the prospective applicant's ranking utilizing the new information submitted and revises the priority ranking accordingly. Points are assigned for each of the five priority categories discussed below, as applicable:

i. **Compliance with the SDWA and Protection of Public Health:**

DWSRF funds are utilized to address contamination problems and to ensure compliance with the SDWA requirements. Priority is given to water systems in non-compliance with the surface water treatment requirements and those incurring acute primary maximum contaminant level (MCL) violations, or action level exceedances as defined in the National Primary Drinking Water Regulations and the New Jersey Safe Drinking Water Regulations (N.J.A.C. 7:10). Table I describes the project elements that are eligible for DWSRF funds:

<b>Table I. Project Elements Eligible for Project Priority Ranking in the Drinking Water State Revolving Fund Program <sup>2</sup></b>		
<b>Priority Order</b>	<b>Project Description</b>	<b>Points</b>
1.	Systems that utilize surface water, that are not in compliance with the surface water treatment requirements or have had any acute violations (either fecal coliform or nitrates) and have been issued an administrative order or directive by DEP requiring the correction of any noncompliance of its treatment facilities to address an immediate public health threat.	500
2.	Systems which utilize groundwater under the direct influence of surface water, that are not in compliance with the surface water treatment requirements or have had any acute violations (either fecal coliform or nitrates) and have been issued an administrative order or directive by DEP requiring the correction of any noncompliance of its treatment facilities to address an immediate public health threat.	350
3.	Systems that utilize groundwater that have had any acute violation (either fecal coliform or nitrates).	300
4.	Systems that have had, or DEP reasonably expects to have, any maximum contaminant level violations (except acute violations) or exceedance of action levels (lead and copper rule).	250
5.	Systems that have, or DEP reasonably expects to have, exceeded a groundwater quality criterion, guidance, or advisory as deemed applicable by the DEP.	200
6.	Systems that were classified as vulnerable, as a result of a 2007 DEP Interconnection Study	200
7.	Systems that have been issued a notice of noncompliance by DEP for reasons other than water quality; i.e. inadequate storage, inadequate source, lack of emergency power, etc.	175
8.	Purchase and/or consolidation of a water system to comply with the SDWA for capacity development.	170
9.	Systems that are proposing improvements for drought or other related water supply management initiatives, as identified or designated by the State.	160
10.	Systems that have lost well capacity due to saltwater intrusion and a solution is needed to preserve the aquifer as a viable aquifer.	150
11.	Extension of water mains, including associated appurtenances and water system facilities, to private wells that have had any maximum contaminant level violations or exceeded lead and copper action levels.	125
12.	Systems without a lead action level exceedance that: 1) are replacing known lead service lines in communities with an MHI less than the MHI for the State; and 2) are certified for principal forgiveness under the approximately \$110M available as a result of the Water Transfer Funding Act.	125
13.	Existing treatment facilities that need to be rehabilitated, replaced, or repaired to ensure compliance with the SDWA.	100
14.	Existing transmission or distribution mains with appurtenances that need to be rehabilitated, replaced, repaired or looped to prevent contamination caused by leaks or breaks in the pipe or improve water pressures to maintain safe levels or to ensure compliance with the SDWA.	75

<sup>2</sup> A project must be assigned points from Category (i) to be eligible for Project Priority List ranking; points assigned from Categories (ii) through (v) supplement the points received in Category (i).

15.	Existing pump stations or finished water storage facilities that need to be rehabilitated or replaced to maintain compliance with the SDWA.	60
16.	New finished water storage facilities or pump stations that are needed to maintain pressure in the system and/or prevent contamination.	50
17.	Addition or enhancement of security measures at drinking water facilities, including but not limited to fencing, lighting, motion detectors, cameras, secure doors and locks, and auxiliary power sources.	45
18.	Green Infrastructure renewable energy generation such as solar panels, hydroelectric geothermal or wind turbines or infrastructure built at the water system facilities such as green roofs, porous pavement, bio-retention or gray water reuse	45
19.	Systems which have had any exceedance of any secondary drinking water regulations that have received notification issued by DEP that exceedance of a secondary drinking water regulation causes adverse effects on the public welfare, and for which the system has received a directive issued by the DEP requiring correction of the exceedance.	40
20.	Installation of new water meters and/or other water conservation devices, including but not limited to retrofit plumbing fixtures.	35
21.	Construction of new or rehabilitation of existing interconnections between water systems to improve water pressures to maintain safe levels, promote availability of alternative source of supply, or to ensure compliance with the SDWA.	30
22.	Replacement of water meters.	25
23.	Redevelop wells, construct new wells, or construct or rehabilitate surface water sources with associated treatment facilities to meet the New Jersey SDWA rules for required pumping capacity.	15
24.	Other project elements, not including items 1 through 23 above, that ensure compliance with the SDWA and protect public health, as approved by DEP.	1

ii. **Water Supply Plans/Studies:**

Planning water system improvements that advance comprehensive water supply concepts can facilitate cost effective drinking water system rehabilitation. To provide an incentive for appropriate planning, 50 points are given if the project is clearly identified in other appropriate plans (i.e. five year master plan, five year capital improvement plan, rate setting study or comprehensive water supply plan for a particular region or watershed) approved by a municipal or State agency (such as the New Jersey Department of Environmental Protection, the New Jersey Department of Community Affairs or the New Jersey Board of Public Utilities) within the last five years.

Thirty-five (35) points are given to each project that demonstrates that its water system structurally inspects its finished storage facilities every five (5) years. Also, twenty-five (25) points are given for a system that has a valve exercise program. Documentation must be provided to receive the above-mentioned points.

**\* Please note that having an Asset Management plan is now a requirement for project sponsors seeking a DWSRF loan.**

iii. **State Designations:**

- **State Plan**

DEP assigns points to projects in municipalities that the State Planning Commission has approved under the Plan Endorsement or Center Designation Process. Please note that if a local entity has not received designation by the State Planning Commission, projects within that entity would receive zero (0) points for this element.

- Projects located predominantly within, or designed to provide service to, a designated growth area that lies within a municipality that has received Plan Endorsement of its Master Plan from the New Jersey State Planning Commission, or is an Urban Center or Urban Complex, are eligible for twenty (20) points.
- Projects located predominantly within, or designed to provide service to, a designated growth area that lies within a municipality that are identified in the Master Plan currently recognized as endorsed by the New Jersey State Planning Commission as a designated center other than an Urban Center (Regional Center, Town, Village, Hamlet), are eligible for fifteen (15) points.

For a current list of those local governments that have gained Plan Endorsement from the New Jersey State Planning Commission, please check the Office for Planning Advocacy at the Department of State website at <http://www.nj.gov/state/planning/plan.html> and then refer to the current State Plan Policy Map to determine if the project area lies within a designated growth area. Contact the Office for Planning Advocacy, Department of State, P.O. Box 820, Trenton, N.J. 08625-0204 or call (609) 292-7156 for further information on the State Development and Redevelopment Plan.

- **Transit Village Initiative**

The NJDOT participated in a multi-agency Smart Growth partnership known as the Transit Village Initiative. The Transit Village Initiative helps to redevelop and revitalize communities around transit facilities to make them an appealing choice for people to live, work and play, thereby reducing reliance on the automobile. The Transit Village Initiative is an excellent model for Smart Growth because it encourages investment in portions of New Jersey where infrastructure and public transit already exist. Aside from Smart Growth community revitalization, two other goals of the Transit Village Initiative are to reduce traffic congestion and improve air quality by increasing transit riders. Therefore, the DEP will provide five (5) additional priority points to any project sponsored by a Transit Village community or to any project that is constructed within a Transit Village community.

For more information about Transit Villages, please see:  
<http://www.nj.gov/transportation/community/village/> and

For a list of Transit Villages, please see:  
<http://www.nj.gov/transportation/community/village/faq.shtm>.

- Brownfield Development Area (BDA)

The DEP sponsors a program to promote the re-use of formerly contaminated sites. The DEP’s Brownfield Program, spearheaded by the Office of Brownfield Reuse, serves as a vital component of the state’s Smart Growth efforts to stem the tide of sprawl and channel new development into cities and towns. Under the innovative Brownfield Development Area (BDA) approach, DEP works with selected communities affected by multiple brownfield sites to design and implement plans for these properties simultaneously, so remediation and reuse can occur in a coordinated fashion. The DWSRF supports this initiative by providing five (5) additional priority points to any project serving a BDA. For more information about Brownfield Development Area Initiative, please see: <http://www.nj.gov/dep/srp/brownfields/bda>.

- Green Project Reserve (GPR)

DEP promotes green infrastructure, water and energy efficiency, and environmental innovation in its water improvement projects. Therefore, the DEP provides fifteen (15) additional priority points to any project that is a categorically eligible project, in accordance with Section I of the Intended Use Plan.

Please note that the points from these four items of Category (iii) can be cumulative. Please note for water systems that service more than one municipality; the municipality that has the highest population served will be counted for this category.

iv. **Affordability:**

The purpose of the affordability criteria is to determine which project sponsors’ water systems are eligible for additional points under the Affordability Category.

Affordability is the degree of need for financial assistance based upon the New Jersey median household income compared to the municipal median household income (MHI). Affordability is determined by the following formula:

$$(Municipal\ MHI / Statewide\ MHI) \times 100 = Affordability\ Factor$$

Points are assigned as shown in Table II.

<b>Table II. Point Values Assigned Based on Affordability Factor Calculation</b>	
1. Affordability factor of 100 or greater	0 Points
2. Affordability factor from 85 through 99	15 Points
3. Affordability factor from 66 through 84	30 Points
4. Affordability factor less than or equal to 65	80 Points

The median household income of the municipality(s) which the water system serves, and the statewide median household income will be determined from income data in the most recent United States census, which is currently the 2010 census.

The DEP determined that for the purposes of the DWSRF Program, a municipality whose median household income is 35% or more below the State’s MHI is considered a Disadvantaged Community and will receive 80 priority points which is proportionately greater than the other affordability factor points.

A weighted MHI is calculated for a project sponsor whose water system serves more than one municipality, as shown in the example below.

<b>Example of Weighted Avg. MHI</b>				
<i>Municipalities Served</i>	<i>MHI</i>	<i>Populations Served</i>	<i>Fraction of total population served</i>	<i>Weighted municipal MHI</i>
<i>Lancaster</i>	<i>30,000</i>	<i>5,000</i>	<i>0.167</i>	<i>5,000</i>
<i>Mayberry</i>	<i>20,000</i>	<i>10,000</i>	<i>0.333</i>	<i>6,660</i>
<i>Holmeville</i>	<i>25,000</i>	<i>15,000</i>	<i>0.500</i>	<i>12,500</i>
<b>TOTAL</b>		<b>30,000</b>	<b>1.00</b>	<b>24,160</b>

Please note for water systems that service more than ten municipalities, the ten municipalities that have the highest populations served will be considered in the above table for the affordability factor.

v. **Population:**

As a tiebreaker, projects are assigned points based on the permanent population of the water system service area. For a resort community where the summer and winter populations vary greatly, the permanent population will be calculated by taking the sum of twice the winter population and once the summer population and dividing by three (see below). For water systems that service more than one municipality, a total of all the permanent population served in the multiple service areas is used. Priority points are calculated as the permanent population served by the water system divided by 100,000, expressed as a decimal. In the event that projects remain tied, the project which serves a greater proportionate population in the water system’s area is given higher priority.

Population served for resort communities will be calculated by the following equation:

$$[(2 \times \text{Winter Population}) + \text{Summer Population}] / 3 = \text{Weighted Permanent Population}$$

vi. **Drinking Water Emergency Projects:**

The following factors are also considered in project ranking: (i) Emergency Projects, (ii) Surface Water Treatment Rule violations including uncovered finished water reservoirs, (iii) MCL and Lead Action Level Exceedances, (iv) Lead Service Line replacements in communities with an MHI less than the MHI for the State for water systems without a Lead Action Level Exceedance; (v) Unregulated contaminants (contaminants of emerging concerns), (vi) Small Systems serving less than 10,000 persons, up to 15 % of DWSRF Funds, (vii) Corrosion control and lead service line replacement in communities serving a population  $\leq 1,000$  that have an MHI less than the MHI for the State; (viii) Projects that have secured

federal/non-profit grants to be leveraged with SRF funding, (ix) Other projects currently on the comprehensive list.

Emergency Projects - Given the limited response time to emergency projects, the following procedure has been developed to ensure rapid response while also maintaining funding eligibility:

Drinking Water Emergency Repair Projects will be defined as, and limited to, projects that replace, in kind, the failure of an essential portion of a public water system that will disrupt water service to any number of the public water system's customers for a minimum of 24 hours total and/or poses a substantial threat to the public health, safety, and welfare. Only projects satisfying the following three criteria are eligible to qualify for emergency funds: (i) the project will repair the actual or impending failure of one or more components of a drinking water or wastewater system caused by structural or mechanical failure, sabotage or act of God; (ii) the actual or impending failure of the system could not have reasonably been foreseen; and (iii) the project is necessary and limited to correct the failure of an essential portion of the environmental infrastructure system to restore service. The DWSRF only funds the portion of any repair that is necessary to restore lost service to the affected population under the emergency loan provisions. A water purveyor may only receive emergency funding for a specific Emergency Repair Project ONCE. Any long-term solutions, modifications, and/or upgrades to prevent future emergency occurrences must be addressed in future financing cycles as a project and published on the Project Priority List.

The DEP recognizes that environmental infrastructure emergencies may occur that endanger public health and welfare and can result in substantial environmental damage. Such circumstances require an immediate response for which a complete technical and environmental review in advance of construction is not possible. On July 15, 2005, the DEP issued a generic Environmental Decision Document (EDD) for environmental emergency response projects and on January 3, 2006, amendments to the program's rules at N.J.A.C. 7:22 were adopted to allow the NJEIFP to fund certain emergency projects. The generic EDD and the rule changes identify the specific types of projects and conditions that must exist to qualify under the emergency project provisions of the Financing Program. With the EDD and the rules as guidelines, the DEP has developed a process to respond rapidly when emergencies occur, obtain basic project information, make an eligibility determination and issue a pre-award approval so that owners/operators can undertake the needed repairs and maintain eligibility for those expenditures through the NJEIFP. For ranking purposes, projects that qualify as emergency projects will receive funding priority over all other projects on the Project Priority List. All program requirements must be met to the DEP's satisfaction prior to the water system being reimbursed for the emergency repair.

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## PROGRAM LOAN TERMS AND CONDITIONS

The Program Loan Terms and Conditions, including Program Fees, Program Requirements for loan closing including certification and other financing considerations will be set forth in the Financial Plan which will be submitted to the Legislature on or before May 15, 2021 in accordance with terms of the I-Bank Enabling Act.

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## APPENDICES INDEX

- Appendix A:** Combined Base SFY2022 Interim Clean Water / Superstorm Sandy Environmental Financing Program Project Priority List and Updated Statewide Assistance Infrastructure Loan Program (Disaster Relief Emergency Financing Program) Project Priority List.
- Appendix B:** Base SFY2022 Interim Drinking Water Environmental Financing Program Project Priority List.
- Appendix C:** Projects financed through the Statewide Assistance Infrastructure Loan Program (Disaster Relief Emergency Financing Program)
- Appendix D:** Emergency Loan Program Guidance Document
- Appendix E:** New Jersey Environmental Infrastructure Financing Program State Fiscal Year 2020 Financing Program Summary
- Appendix F:** 2021 I-Bank Board Meeting Dates

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## APPENDIX A - Clean Water

### Combined Base SFY2022 Interim Clean Water / Superstorm Sandy Environmental Financing Program Project Priority List and Disaster Relief Emergency Financing Program (Statewide Assistance Infrastructure Loan Program (SAIL)) Project Priority List

Alphabetical Order

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
<b>SUPPLEMENTAL LOANS</b>					
Franklin Township Sewerage Authority	S340839-06-1	N/A	17	Supplemental - Rodney Ave Pump Station	\$ 1,000,000
Paterson City	S340850-03-1	N/A	35	Change Order 2 CSO 029 Solids and Floatables Control	\$ 2,550,000
Rockaway Valley RSA	S340821-06-1	N/A	40	Old Jersey Trunk Sewer Replacement	\$ 775,000
<b>Rockaway Valley RSA</b>	<b>S340756-02-01</b>	<b>N/A</b>	<b>40</b>	<b>Interceptor Cleaning, Video Inspection &amp; Rehab</b>	<b>\$ 1,000,000</b>
Somerville Borough	S342013-01-1	N/A	16	Green Seam Phase II Ground Water Treatment	\$ 1,850,000
<b>Supplemental Loans #:</b>	<b>5</b>			<b>Subtotal:</b>	<b>\$ 7,175,000</b>

<b>RESIDUAL LOANS</b>					
Elizabeth City	S340942-19R	N/A	20	Trumbull Street Flood Control Project	\$ 275,000
Hoboken City	S340635-06R	N/A	33	CSO - Acquisition, Remediation, & Construction on 6 Acre Park & Outfall (SANDY)	\$ 40,000,000
<b>North Bergen MUA</b>	<b>S340652-14R</b>	<b>N/A</b>	<b>32</b>	<b>Woodcliff Additional Improvements</b>	<b>\$ 5,000,000</b>
Ocean Twp SA	S340750-14R	N/A	11	Asbury Avenue and Longview Pump Stations Rehabilitation	\$ 1,000,000
<b>Residual Loans #:</b>	<b>4</b>			<b>Subtotal:</b>	<b>\$ 46,275,000</b>

<b>BASE &amp; SUPERSTORM SANDY LOANS</b>					
Allentown Borough	S340567-05	265	12	Sewer Plant Modifications	\$ 5,100,000
Allentown Borough	S340567-06	1175	12	Water Meter Replacement (FKA DW)	\$ 664,938
Asbury Park City	S340883-08	1120	11	Sewer Plant	\$ 63,000,000
Atlantic City Municipal Utilities Authority	S340439-04	1119	2	Water Meter and MTU Replacement	\$ 3,066,667
Atlantic County Utilities Authority	S340809-29	432	2,9	Replace a portion of Brigantine Force Main	\$ 4,000,000

Key	
<b>Red Text</b>	SAIL Program (Disaster Relief Projects)
<b>Green Text</b>	Cost and/or New Project Update

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Atlantic County Utilities Authority	S340809-30	436	2,9	Ventnor-Margate Force main Replacement - Phase 1	\$ 10,100,000
Atlantic County Utilities Authority	S342001-03	1039	1,2,8,9	MSE Berm Construction	\$ 36,042,396
Bayonne City	S340399-31	93	31	<b>CSO</b> - Stormwater Management Facilities and Park Improvements	\$ 1,618,539
Beach Haven Borough	S344220-01	223	9	<b>Barneгат Bay</b> - Stormwater Pump replacement and drainage	\$ 2,038,640
Bergen County Utilities Authority	S340386-19	227	20,23,36,37,3 8,39 & 40	Infrastructure Protection Improvements	\$ 3,240,000
Bergen County Utilities Authority	S340386-20	227	20,23,36,37,3 8,39 & 40	Primary Settling Tanks Improvements	\$ 9,000,000
Bergen County Utilities Authority	S340386-21	227	20,23,36,37,3 8,39 & 40	Final Settling Tanks Improvements	\$ 7,600,000
Bergen County Utilities Authority	S340386-22	227	20,23,36,37,3 8,39 & 40	Facility Assessment and Improvements	\$ 5,690,000
Bergen County Utilities Authority	S340386-23	227	20,23,36,37,3 8,39 & 40	Sludge Digester Improvements	\$ 18,700,000
Bergen County Utilities Authority	S340386-24	227	20,23,36,37,3 8,39 & 40	Tank Header Improvements	\$ 1,950,000
<b>Bergen County Utilities Authority</b>	<b>S340386-13</b>	<b>281</b>	<b>20,23,36,37,3 8,39 &amp; 40</b>	<b>Consolidation of Edgewater/ Little Ferry service area</b>	<b>\$ 70,000,000</b>
Bergen County Utilities Authority	S340386-15	233	20,23,36,37,3 8,39 & 40	Power Supply mitigation improvements	\$ 57,000,000
Bergen County Utilities Authority	S340386-16	233	20,23,36,37,3 8,39 & 40	All Plant wide mitigation improvements	<b>\$ 42,000,000</b>
Bergen County Utilities Authority	S340386-18	233	20,23,36,37,3 8,39 & 40	Pump Station Resiliency Project	\$ 2,491,339
Bergen County Utilities Authority	S340386-25	426	20,23,36,37,3 8,39 & 40	Northern Valley Force Main Improvements	\$ 4,000,000
<b>Berkeley Heights Township</b>	<b>S340385-05</b>	<b>26</b>	<b>21</b>	<b>STP Upgrade</b>	<b>\$ 2,000,000</b>
Berkeley Heights Township	S340385-06	944	21	West Side Drainage Project	\$ 25,500,000
Berkeley Township	S344020-02	263	9	<b>Barneгат Bay</b> - Water Quality Retention Basin at Moorage Park	\$ 905,063
Berkeley Township	S344020-01	263	9	Water Quality Retention Basin at Veterans Park	\$ 905,063
Berkeley Township Sewer Authority	S340969-14	500	9	Bayview Ave. Force Main Replacement	\$ 3,000,000
Bloomfield Township	S340516-01	1154	13	Water Meter Replacement (FKA DW)	\$ 7,230,970
Borough of Wenonah	S340531-01	667	5	Sanitary Sewer Collection System Asset Management and System	\$ 1,330,000
Bradley Beach Borough	S340472-01	642	30	Sewer Main Installation and Repairs - Phase I	\$ 2,700,000
Brick Township Municipal Utilities Authority	S340448-11	460	10	Wastewater Pump Station Rehabilitation - Phase II	\$ 5,700,000

**Key**

**Red Text** SAIL Program (Disaster Relief Projects)

**Green Text** Cost and/or New Project Update

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Brick Township Municipal Utilities Authority	S340448-13	460	10	Sanitary Sewer Main Replacement on Cartagena Drive, Alhama Drive, Cadiz Drive, Valencia Drive and Monterey Drive	\$ 4,060,000
Brick Township Municipal Utilities Authority	S340448-14	1159	10	Meter Replacement - Phase II	\$ 2,000,000
Brick Township Municipal Utilities Authority	S340448-12	460	10,30	Sanitary Sewer Manhole Rehabilitation and Replacement	\$ 4,824,000
Brigantine City	S340827-04	594	2	Emergency Generators <b>(SANDY)</b>	\$ 3,300,000
Brigantine City	S340827-05	958	2	Flood Control and Pump Station Improvements <b>(SANDY)</b>	\$ 4,600,000
Brigantine City	S340827-06	958	2	Municipal System Improvements	\$ 1,001,066
Buena Borough Municipal Utilities Authority	S340518-06	640	2	Upgrades to Sanitary Municipal Authority	\$ 1,298,000
Burlington City	S340140-02	1146	7	Meter Replacement (FKA DW Meter replacement & Filter rehabilitation)	\$ 2,600,000
Burlington Township	S340712-17	528	6	Sanitary Sewer Rehabilitation in Various Locations	\$ 1,000,000
Camden City	S340366-07	38	5	<b>CSO</b> - 2014 Sanitary/Combined Sewer Rehab/Replacement Project	\$ 59,000,000
Camden City	S340366-12	38	5	<b>CSO</b> - Cooper Street Pump Station	\$ 2,300,000
Camden City	S340366-13	38	5	<b>CSO</b> - Rehabilitation of Arch Street Pump Station	\$ 12,000,000
Camden City	S340366-14	38	5	<b>CSO</b> - Rehabilitation of Ten (10) Combined Sewer Outfalls.	\$ 9,370,000
Camden City	S340366-15	38	5	<b>CSO</b> - Rehabilitation of Combined Sewer Outfalls and Regulator Chambers	\$ 13,330,000
Camden City	S340366-16	1114	5	New Auto Meter Reading Equip for entire City (FKA DW)	\$ 1,800,000
Camden County Municipal Utilities Authority	S340640-19	3	5	<b>CSO</b> -Camden City Green and Grey Infrastructure Project, Phase 4	\$ 11,500,000
Camden County Municipal Utilities Authority	S340640-20	5	5	<b>CSO</b> - Camden City Green Infrastructure	\$ 3,000,000
Camden County Municipal Utilities Authority	S340640-17	7	5	<b>CSO</b> - Green & Gray Infrastructure	\$ 3,500,000
Camden County Municipal Utilities Authority	S345040-01	9	5	<b>CSO</b> - Camden City and Gloucester City Long Term CSO Control Plan	\$ 1,380,000
Camden County Municipal Utilities Authority	S340640-21	16	5	<b>CSO</b> - Camden City Waterfront Stormwater Pumping Station	\$ 32,500,000
Camden County Municipal Utilities Authority	S340640-22	16	5	<b>CSO</b> - Upgrades to Camden City's Combined Sewer Overflow System	\$ 3,500,000

**Key**

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Camden County Municipal Utilities Authority	S340640-23	16	5	CSO - Dredging Of Camden City's Combined Sewer Overflows To Reduce Combined Sewage Flooding	\$ 5,600,000
Camden County Municipal Utilities Authority	S340640-16	27	5	CSO - Wastewater Treatment Plant Improvements	\$ 13,300,000
Camden County Municipal Utilities Authority	S340640-18	47	5	Phase I upgrades, improve/sustain optimal wastewater performance (SANDY)	\$ 84,030,000
Camden County Municipal Utilities Authority	S340640-13	92	5	Delaware #1 Pump Upgrades	\$ 12,800,000
Camden County Municipal Utilities Authority	S340640-30	429	5	CCMUA Pump Station Electrical Upgrades	\$ 7,500,000
Camden County Municipal Utilities Authority	S340640-24	9	4,5,6 & 8	CSO - Upgrade of Camden County Wastewater Treatment Plant to Increase Wet Weather Capacity	\$ 6,500,000
Camden County Municipal Utilities Authority	S340640-28	429	6	Emergency Rehab/Replacement of the CCMUA Berlin Twp. Force Main	\$ 7,500,000
Camden County Municipal Utilities Authority	S340640-29	28	4,5,6 & 8	Delaware #1 WPCF Piping and Treatment Upgrades	\$ 11,300,000
Camden County Municipal Utilities Authority	S340640-26	792	4,5,6 & 8	Newton Creek Dredging and Erosion Control	\$ 28,200,000
Camden County Municipal Utilities Authority	S340640-25	3	5	Camden City Green Infrastructure, Phase 5	\$ 14,300,000
Camden County Municipal Utilities Authority	S340640-27	8	5	Infrastructure Improvements on South 27th Street (CR 609) in the City of Camden	\$ 4,862,636
<b>Camden County Municipal Utilities Authority</b>	<b>S340640-31</b>	<b>896</b>	<b>5</b>	<b>Newton Lake Bank Stabilization</b>	<b>\$ 4,700,000</b>
Carneys Point Sewerage Authority	S340502-09	103	3	UV Disinfection & Filter System Improvements	\$ 1,497,445
Carneys Point Sewerage Authority	S340502-08	604	3	Lafayette Road Sanitary Sewer	\$ 1,057,203
Carteret Borough	S340939-10	526	19	Roosevelt Pump Station and Bergen Street Pump Station Upgrades	\$ 6,600,000
Chatham (MCJM) Borough	S340715-07A	333	21	Facility Improvements 2018	\$ 7,289,180
Cliffside Park Borough	S340847-04	135	36	CSO - Combined Sewer Separation	\$ 5,300,000
Clinton Town	S340924-08	252	23	WWTP Filter and Residuals Building Improvement Project	\$ 4,100,000
Clinton Town	S340924-07	1025	23	Town of Clinton System-Wide Customer Meter Replacement	\$ 800,000
Collingswood Borough	S340291-04	415	6	Harrison avenue area sanitary sewer improvements	\$ 800,000
Cranford Township	S340858-04	888	21	Stormwater constr. various locations to improve drainage/prevent flooding	\$ 12,000,000

**Key**

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**Green Text** Cost and/or New Project Update

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Cumberland County	S340438-01	871	1	Downe Wastewater Infrastructure	\$ 16,000,000
Cumberland County	S340438-03	871	1	Downe Township Fortescue Package Plant	\$ 17,000,000
Cumberland County Improvement Authority	S342015-04	1134	1,3	Side Slope Restoration and Storm Water Management	\$ 5,919,704
<b>Delanco Sewerage Authority</b>	<b>S340956-03</b>	<b>401</b>	<b>7</b>	<b>Collection System Improvement Project</b>	<b>\$ 1,500,000</b>
Delran Township	S340794-11	188	7	Service Water System Upgrades and Aeration Blower Replacement Project	\$ 2,100,000
Delran Township	S340794-10	392	7	Clay Street Pump Station	\$ 2,100,000
Deptford Township Municipal Utilities Authority	S340066-03	536	5	Sanitary Sewer Rehabilitation at Country Club Estates	\$ 1,000,000
Deptford Township Municipal Utilities Authority	S340066-04	536	5	Sanitary Sewer Rehabilitation at East Woodbury	\$ 700,000
Dunellen Borough	S340916-03	893	22	Flood Mitigation Project	\$ 2,599,998
East Orange City	S340843-02	1115	34	Water System Improvement and Resiliency Project 2017 (FKA DW)	\$ 6,840,000
East Orange City	S340843-03	1124	34	The Crossings at Brick Church	<b>\$ 12,000,000</b>
Egg Harbor Township Municipal Utilities Authority	S340753-06	497	2	FAA Pump Station Reconstruction	\$ 1,250,000
Elizabeth City	S340942-13	87	20	<b>CSO - Western Interceptor Modifications</b>	\$ 13,146,000
Elizabeth City	S340942-17	87	20	<b>CSO - South Street Flood Control Project (SANDY)</b>	\$ 6,500,000
Elizabeth City	S340942-20	87	20	South Second Street Drainage and Atlantic Street CSO Tank Project	\$ 10,300,000
Elizabeth City	S345070-01	87	20	<b>CSO - City of Elizabeth Combined Sewer Overflow Long Term Control Plan</b>	\$ 4,000,001
Elizabeth City	S340942-21	788	20	Lincoln Avenue Drainage Improvements Project	\$ 3,000,000
Emerson Borough	S340497-01	616	39	Small System Asset Management Plan	\$ 100,000
Evesham Municipal Utilities Authority	S340838-09	271	8	Elmwood WWTP Resiliency Improvements	\$ 400,000
Evesham Municipal Utilities Authority	S340838-10	271	8	Elmwood Tertiary Filter Rehabilitation	\$ 1,500,000
Evesham Municipal Utilities Authority	S340838-07	495	8	Sewer System Improvements	\$ 1,600,000
Evesham Municipal Utilities Authority	S340838-08	496	8	Route 70 Sewer Rehabilitation	\$ 1,000,000
Evesham Municipal Utilities Authority	S340838-06	917	8	Elmwood WWTP Storage Building	\$ 2,500,000
Fieldsboro Borough	S340522-01	683	7	Sewer @ Stormwater Asset Management Plan	\$ 150,000
Franklin Township Sewerage Authority	S340839-08	476	17	Hamilton St. Pumping Station	\$ 4,200,000

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Franklin Township Sewerage Authority	S340839-09	476	17	Marcy Street Sanitary Sewer Rehab	\$ 7,500,000
Glen Ridge Borough	S340861-03	609	28	Sewer Cleaning Truck	\$ 445,849
Glen Ridge Borough	S340861-04	609	28	Sanitary Sewer Rehab & Collection System Asset Management Plan	\$ 2,300,000
Gloucester City	S345090-01	242	5	CSO - Combined Sewer Overflow Asset Management Plan	\$ 1,000,000
Gloucester County Improvement Authority	S342016-04	1131	3	Cell 15 Construction	\$ 18,500,001
Gloucester County Utilities Authority	S340902-15	259	3,4,5 & 23	Combined Heat & Power	\$ 11,500,000
Gloucester County Utilities Authority	S340902-17	691	3,4,5 & 23	Sludge Drying System	\$ 10,000,000
Gloucester Township	S340364-11	911	4	Flood Mitigation ( <b>SANDY</b> )	\$ 950,000
Gloucester Township	S340364-15	911	4	Gloucester Township Stormwater Improvements	\$ 1,450,000
Guttenberg Town	S340854-03	101	32	Guttenberg CSO	\$ 3,500,000
Hackensack City	S340923-13	174	37	The Long Term Control Plan and CSO Sewer Separation Efforts (Phase 3)	\$ 14,700,000
Hackensack City	S340923-14	174	37	Sewer Separation to Support Main Street Redevelopment	\$ 8,000,000
Hackensack City	S340923-15	789	37	Stormwater Infrastructure Improvements 2020	\$ 1,600,000
Haddon Heights Borough	S340877-02	611	5	Sanitary Sewer System Asset Management Plan	\$ 100,000
Haddon Heights Borough	S340877-03	611	5	Sanitary Sewer Pump Station Rehabilitation	\$ 953,580
Haddon Heights Borough	S340877-04	611	5	Sanitary Sewer Rehabilitation (CIPP)	\$ 2,052,912
Haddon Heights Borough	S340877-05	611	5	Sanitary Sewer Main Replacement	\$ 4,974,434
Hamburg Borough	S340149-03	654	24	Sanitary Sewer System Asset Management Plan	\$ 100,000
Hamilton Township Municipal Utilities Authority	S340903-06	544	14	2019 Wastewater Facility Upgrades and Renovations	\$ 2,500,000
<b>Hammonton Town</b>	<b>S340927-10</b>	<b>697</b>	<b>8</b>	<b>Waste Water Treatment Plant Sludge Drying Replacement (Centrifuge)</b>	<b>\$ 1,000,000</b>
Hardyston Municipal Utility Authority	S340532-01	1123	24	Water Meter Replacement	\$ 486,000
Highland Park Borough	S340938-03	1172	18	Replacement of customer-owned large diameter water meters	\$ 2,400,000
Highlands Borough	S340901-05	635	13	Coastal Community Water Quality Restoration	\$ 5,500,000
Hillside (JMEUC) Township	S340686-10	539	20	North Avenue Pumping Station	\$ 1,300,000
Hoboken City	S340635-08	51	33	CSO - Southwest Resiliency Park - Acquisition, Rehabilitation	\$ 6,600,000

**Key**

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Hoboken City	S340635-07	128	33	CSO - Resilient Green Infrastructure for CSO Reduction	\$ 5,000,000
Hoboken City	S340635-09	128	33	ROW Green Infrastructure adjacent to water Mains	\$ 500,000
Hopatcong Borough	S340488-08	58	24	Hudson Avenue Sanitary Sewer Installation	\$ 600,000
Hopatcong Borough	S340488-07	394	24	Sanitary Sewer System Asset Management Plan	\$ 80,000
Hopewell Township	S340282-03	554	15	Sanitary Sewer System Asset Management Plan - Sewer Rehabilitation Projects	\$ 1,640,000
Howell Township	S344040-02	306	30	<b>Barnegat Bay</b> - Freewood Acres & Route 9 Sanitary Sewer Extension	\$ 14,680,000
Hudson County Improvement Authority	S340094-02	1108	31,33	Koppers Peninsula Infrastructure, Hudson County	\$ 51,000,000
Jersey City	S340928-30	141	31,33	CSO - Street Cleaning Equipment	\$ 2,711,000
Jersey City Municipal Utilities Authority	S340928-15	65	31,32 & 33	CSO - Phase 3 & 4 Sewer Improvements ( <b>SANDY</b> )	\$ 41,000,000
Jersey City Municipal Utilities Authority	S340928-21	65	31,32 & 33	CSO - Sewer Pipe Replacement / Phase V CSO Study	\$ 25,000,000
Jersey City Municipal Utilities Authority	S340928-27	43	31,33	CSO - Green Infrastructure- Martin Luther King Drive Tree Trenches	\$ 500,000
Jersey City Municipal Utilities Authority	S340928-37	43	31,33	Sewer Improvements 2a	\$ 50,202,482
Jersey City Municipal Utilities Authority	S340928-42	59	31,33	Phase 6A Sewer Rehabilitation	\$ 36,000,000
Jersey City Municipal Utilities Authority	S340928-44	59	31,33	Claremont Carteret Pump Station	\$ 37,000,000
Jersey City Municipal Utilities Authority	S340928-40	64	31,33	Eastside and Westside Pump Station Mechanical Screens	\$ 3,600,000
<b>Jersey City Municipal Utilities Authority</b>	<b>S340928-16</b>	<b>65</b>	<b>31,33</b>	<b>Sixth Street Combined Sewer Outfall</b>	<b>\$ 9,500,000</b>
Jersey City Municipal Utilities Authority	S340928-18	65	31,33	CSO - Claremont Carteret outfall replacement ( <b>SANDY</b> )	\$ 5,600,000
Jersey City Municipal Utilities Authority	S340928-20	65	31,33	CSO - Outfall Chambers ( <b>SANDY</b> )	\$ 7,200,000
Jersey City Municipal Utilities Authority	S340928-24	65	31,33	CSO - Phase 1/2 Sewer Rehabilitation	\$ 108,000,000
Jersey City Municipal Utilities Authority	S340928-28	65	31,33	CSO - Van Winkle Ave. San. Sewer Rehab.	\$ 2,700,000
Jersey City Municipal Utilities Authority	S340928-29	65	31,33	CSO - Carteret Ave. Sewer Replacement	\$ 18,500,000
Jersey City Municipal Utilities Authority	S340928-31	65	31,33	CSO - 54 inch JCMUA/PVSC FORCEMAIN REPAIR	\$ 11,059,600
Jersey City Municipal Utilities Authority	S340928-33	65	31,33	Pine Street Syphon Replacement	\$ 9,000,000
Jersey City Municipal Utilities Authority	S340928-34	65	31,33	Sanitary Sewer Main Rehabilitation/Lining	\$ 1,300,000

**Key**

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Jersey City Municipal Utilities Authority	S340928-36	65	31,33	Phase 5-B Sewer	\$ 10,800,000
Jersey City Municipal Utilities Authority	S340928-38	65	31,33	Sewer Improvements Phase 5a	\$ 35,273,044
Jersey City Municipal Utilities Authority	S340928-39	65	31,33	PHASE 6B SEWER MAIN REHABILITATION PROJECT	\$ 33,000,000
Jersey City Municipal Utilities Authority	S340928-41	65	31,33	Van Winkle Combined Sewer Outfall	\$ 4,500,000
Jersey City Municipal Utilities Authority	S340928-32	1107	31,33	Remote Meter Reading (AMI) (FKA DW)	\$ 12,300,000
Jersey City Municipal Utilities Authority	S340928-23	65	31,33	3 Pump Stations Flood Hardening Improvements	\$ 1,846,000
Jersey City Municipal Utilities Authority	S340928-35	65	31,33	Carteret Phase II	\$ 7,774,166
Jersey City Municipal Utilities Authority	S340928-43	59	31,33	Phase 7a Sewer Improvements	\$ 61,751,143
Jersey City Municipal Utilities Authority	S340928-45	1106	31,33	Bayfront Clean Water Sewer	\$ 4,520,000
Jersey City Municipal Utilities Authority	S340928-46	59	31,33	Jersey City Claremont Emergency Repair.	\$ 3,600,000
<b>Jersey City Municipal Utilities Authority</b>	<b>S340928-47</b>	<b>59</b>	<b>31,33</b>	<b>Van Horne Street Sewer Improvements</b>	<b>\$ 11,400,000</b>
JMEUC - East Orange City	S340686-08a	283	34	Flood Mitigation Facilities Project	\$ 1,245,000
JMEUC - East Orange City	S340686-09a	283	34	Capital Improvements Projects 2019	\$ 620,504
JMEUC - Elizabeth City	S340686-08b	283	20	Flood Mitigation Facilities Project	\$ 12,920,000
JMEUC - Elizabeth City	S340686-09b	283	20	Capital Improvements Projects 2019	\$ 6,505,876
JMEUC - Hillside Township	S340686-08c	283	20	Flood Mitigation Facilities Project	\$ 1,815,000
JMEUC - Hillside Township	S340686-09c	283	20	Capital Improvements Projects 2019	\$ 908,430
JMEUC - Irvington Township	S340686-08d	283	28	Flood Mitigation Facilities Project	\$ 4,505,000
JMEUC - Irvington Township	S340686-09d	283	28	Capital Improvements Projects 2019	\$ 2,252,347
JMEUC - Maplewood Township	S340686-08e	283	27	Flood Mitigation Facilities Project	\$ 1,845,000
JMEUC - Millburn Township	S340686-08f	283	27	Flood Mitigation Facilities Project	\$ 1,650,000
JMEUC - Newark City	S340686-08g	283	28,29	Flood Mitigation Facilities Project	\$ 2,705,000
JMEUC - Newark City	S340686-09e	283	28,29	Capital Improvements Projects 2019	\$ 1,363,042
JMEUC - Roselle Park	S340686-08h	283	21	Flood Mitigation Facilities Project	\$ 905,000
JMEUC - South Orange Village Township	S340686-08i	283	27	Flood Mitigation Facilities Project	\$ 1,305,000
JMEUC - South Orange Village Township	S340686-09f	283	27	Capital Improvements Projects 2019	\$ 650,806
JMEUC - Summit City	S340686-08j	283	21	Flood Mitigation Facilities Project	\$ 2,375,000

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
JMEUC - Summit City	S340686-09g	283	21	Capital Improvements Projects 2019	\$ 1,186,322
JMEUC - Union Township	S340686-08k	283	20	Flood Mitigation Facilities Project	\$ 4,885,000
JMEUC - Union Township	S340686-09h	283	20	Capital Improvements Projects 2019	\$ 2,449,335
JMEUC - West Orange Township	S340686-08l	283	27	Flood Mitigation Facilities Project	\$ 3,170,000
JMEUC - West Orange Township	S340686-09i	283	27	Capital Improvements Projects 2019	\$ 1,585,429
Kearny Municipal Utilities Authority	S340259-14	355	32	PS Grit Collector Replacement/ Central & Pennsylvania Ave Sewer Rehab	\$ 1,582,000
Kearny Town	S340259-11	96	32	CSO - Dukes St Stormwater Pump Station	\$ 17,000,000
Kearny Town	S340259-12	1104	32	Redev of recreational complex as a modern artificial turf complex	\$ 21,500,000
Lacey Township	S344140-02	332	9	Yacht Basin Plaza North & South Bulkhead and Stormwater Management	\$ 1,559,000
Lakewood Township Municipal Utilities Authority	S340465-02	817	30	Gravity Sewer Line Installation	\$ 4,320,000
Lakewood Township Municipal Utilities Authority	S340465-03	1152	30	Administration Building Addition (FKA DW)	\$ 1,750,000
Lambertville Municipal Utilities Authority	S340882-09	243	15,16	WWTP rehab work	\$ 1,800,000
Lambertville Municipal Utilities Authority	S340882-10	648	15,16	Collection system rehabilitation	\$ 700,000
Linden Roselle Sewer Authority	S340299-09	240	22	Phase V Building Improvements	\$ 2,100,000
Linden Roselle Sewer Authority	S340299-08	241	22	2019 Capital Improvements Projects	\$ 17,000,000
Little Egg Harbor Municipal Utilities Authority	S340579-03	389	9	Little Egg Harbor Sewer Main Replacement	\$ 2,900,000
Little Egg Harbor Township	S340579-04	876	9	Mystic Island Drainage Improvements - Phase 2	\$ 1,714,000
<b>Little Egg Harbor Township</b>	<b>S340579-05</b>	<b>389</b>	<b>9</b>	<b>Sewer Main Replacement Phase II</b>	<b>\$ 4,200,000</b>
Logan Township Municipal Utilities Authority	S340123-02	225	3	Effluent Force Main Replacement Project	\$ 9,948,000
Long Beach Township	S340023-07	655	9	Sewer Main Replacement	\$ 4,600,000
Long Beach Township	S340023-08	655	9	Asset Management	\$ 120,000
<b>Long Beach Township</b>	<b>S340023-09</b>	<b>655</b>	<b>9</b>	<b>North Beach Sewer Main Replacement</b>	<b>\$ 6,500,000</b>
Long Branch Sewerage Authority	S340336-08	107	11,13	2018 Capital Improvements Projects - Wastewater Treatment Plant	\$ 1,740,700
Long Branch Sewerage Authority	S340336-09	367	11,13	2018 Capital Improvements Projects - Collection System	\$ 5,600,000

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Long Hill Township	S340404-10	274	21	Capacity Assurance and System Rehabilitation Project	\$ 7,500,000
Lower Township MUA	S340810-05	842	3	Collection System Expansion	\$ 17,100,000
Madison (MCJM) Borough	S340715-07B	333	27	Facility Improvements 2018	\$ 7,289,180
Manasquan Borough	S340450-02	716	30	Stockton Lake Bulkhead and Stormwater Management	\$ 4,505,800
Manasquan River Regional Sewerage Authority	S340911-03	383	11,12 & 30	Equipment Replacement	\$ 660,000
Manasquan River Regional Sewerage Authority	S340911-04	384	30	Mingamahone Pump Station Improvements	\$ 2,388,541
Manchester Township	S340650-08	1169	10	Install automated meters (FKA DW)	\$ 3,000,000
Mantua Township MUA	S340514-01	564	5	Austin Street Sewer Pump Station	\$ 1,400,000
Mantua Township MUA	S340514-03	564	5	Royal Oaks Sewer Pump Station	\$ 1,000,000
Mantua Township MUA	S340514-02	851	5	Barnsboro Sewer Extension	\$ 2,250,000
Marlboro Township	S340268-02	829	13	Harbor Rd. Wastewater Pump Station	\$ 964,250
Medford Lakes Borough	S340319-03	645	8	Collection System Lining Improvements	\$ 11,000,000
Mendham Borough	S340159-04	20	25	WWTP Improvements	\$ 3,500,000
Mendham Borough	S340159-03	647	25	Collection System Improvements	\$ 3,200,000
Metuchen Borough	S340360-02	375	18	Sewage Pump Station Replacement	\$ 4,000,000
Middlesex Borough	S340698-02	569	22	Sanitary Sewer Main Improvements	\$ 2,568,750
Middlesex Borough	S340698-03	569	22	Middlesex Borough Rehabilitation of Sanitary Sewers Phase II (Greenbrook Rd. and Louis Ave. Pump Stations)	\$ 1,000,000
Middlesex County Utilities Authority	S340699-17	46	3,14,17,18,19,22 & 23	ctp rehabilitation phase 4	\$ 14,000,000
Middlesex County Utilities Authority	S340699-14	418	3,14,17,18,19,22 & 23	Main Truck Sewer Rehab Phase II	\$ 11,000,000
Middlesex County Utilities Authority	S340699-16	418	3,14,17,18,19,22 & 23	Main Trunk Sewer Rehabilitation Phase III	\$ 18,100,000
Milltown Borough	S340102-01	1150	17	Milltown Ford Ave Redevelopment	\$ 21,000,000
Milltown Borough	S340102-04	1150	17	Ford Avenue Redevelopment	\$ 5,500,000
Milltown Borough	S340102-05	713	17	Flood Mitigation Borough of Milltown Municipal Complex Relocation	\$ 13,726,000
Monmouth County Bayshore Outfall Authority	S340325-04	427	12,13	Force Main Assessment and Rehabilitation	\$ 3,500,000
Monroe Municipal Utilities Authority	S340423-05	506	4	Video Inspection Equipment	\$ 300,000
Montclair Township	S340837-05	408	34	Sanitary Sewer Manhole Rehabilitation	\$ 800,000

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Montgomery Township	S340130-03	29	16	Stage II Wastewater Treatment Plant Flood Protection Project	\$ 12,000,000
Montville Township	S340931-04	741	26	Old Lane Sewer Project	\$ 2,800,000
Mount Arlington Borough	S340451-05	634	25	Wastewater System Asset Management Plan	\$ 212,785
Mount Laurel Township Municipal Utilities Authority	S340943-06	133	7	Sewer System Improvement Project (Bundle 1)	\$ 8,000,000
Mount Laurel Township Municipal Utilities Authority	S340943-07	499	7	Sewer System Improvement Project (Bundle 2)	\$ 3,200,000
Musconetcong Sewer Authority	S340384-09	1	24	Wastewater Treatment Plant Improvements	\$ 6,000,000
Netcong Borough	S340538-01	381	25	Sewer System Asset Management Plan	\$ 100,000
New Jersey Water Supply Authority	S340421-02	346	23	Round Valley Reservoir Structures Refurbishment and Resource Preservation	\$ 86,100,000
New Jersey Water Supply Authority	S340421-01	894	23	D&R Canal Dredging	\$ 56,800,000
Newark City	S340815-25	21	28,29	CSO - Green Infrastructure for the Sewer System	\$ 475,000
Newark City	S340815-27	21	28,29	CSO - Greenstreet Projects for the City of Newark	\$ 3,800,000
Newark City	S340815-28	21	28,29	South Street and Adams Street Drainage Improvements	\$ 6,000,000
Newark City	S340815-24	32	28,29	CSO - Structural evaluation & rehab of 350 miles of small diameter sewers	\$ 21,000,000
Newark City	S340815-26	32	28,29	CSO - Improvements to the Peddie Combined Sewer Overflow	\$ 3,300,000
Newton Town	S340449-04	860	24	Memory Park Drainage Improvements	\$ 538,000
<b>Newton Town</b>	<b>S340449-05</b>	<b>6</b>	<b>24</b>	<b>Improvements to the Waste Water Treatment Plant, Digester conversion and primary sludge pump replacement.</b>	<b>\$ 1,200,000</b>
North Bergen Municipal Utilities Authority	S340652-14	49	32	CSO - Woodcliff Additional Improvements	\$ 28,000,000
North Brunswick Township	S340888-02	1163	17	Water Meter Replacement (FKA DW)	\$ 8,000,000
<b>North Brunswick Township</b>	<b>S340888-03</b>	<b>501</b>	<b>17</b>	<b>Sanitary Sewer Improvement Project</b>	<b>\$ 2,400,000</b>
North Haledon Borough	S340229-02	602	35	Small System Asset Management Plan	\$ 100,000
North Hudson Sewer Authority	S340952-30	154	33	CSO - 2017 Adams Street Wastewater Treatment Plant Improvements	\$ 23,200,000
North Hudson Sewer Authority	S340952-35	142	32,33	Adams Street WWTP Improvements	\$ 250,000

**Key**

**Red Text** SAIL Program (Disaster Relief Projects)

**Green Text** Cost and/or New Project Update

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
North Hudson Sewer Authority	S340952-34	143	32,33	Collection System Improvements	\$ 1,200,000
North Hudson Sewer Authority	S340952-33	152	32,33	H6/H7 Long Term Control Plan Project	\$ 27,000,000
North Hudson Sewer Authority	S340952-31	154	32,33	Green Infrastructure	\$ 547,350
North Hudson Sewer Authority	S345190-01	154	32,33	CSO - Combined Sewer Long Term Control Plan	\$ 6,000,000
North Hudson Sewer Authority	S340952-36	1015	32,33	Equipment Purchases	\$ 900,000
North Hudson Sewer Authority	S340952-32	152	33	Madison Street Infrastructure Improvements	\$ 4,492,662
North Hudson Sewer Authority	S340952-37	159	33	Madison Street Improvements	\$ 5,400,000
North Hudson Sewer Authority	S340952-38	159	32,33	W1234 Outfall Emergency Repair	\$ 1,351,200
Northfield City	S340508-04	311	2	Sanitary Sewer Pump Station Upgrades - Zion and Davis Avenues	\$ 720,000
Northfield City	S340508-03	598	2	Preparation of an Asset Management Plan	\$ 180,000
Northfield City	S340508-02	965	2	Vactor Truck Purchase	\$ 150,000
Northwest Bergen County Utilities Authority	S340700-16	217	38,39 & 40	Wastewater Treatment Plant Improvements	\$ 4,900,000
Northwest Bergen County Utilities Authority	S340700-19	463	38,39 & 40	Interceptor System Rehabilitation	\$ 8,132,450
Northwest Bergen County Utilities Authority	S340700-15	463	39,40	Wastewater Pump Station Improvements	\$ 7,000,000
Northwest Bergen County Utilities Authority	S340700-18	463	39,40	Interceptor System Rehabilitation	\$ 2,000,000
Oakland Borough	S340418-06	2	39	Oakland Sewer System Improvements	\$ 5,720,000
Ocean County	S344080-10	324	10	<b>Barnegat Bay</b> - Camera Pipe Line Inspection Truck System - Equipment	\$ 250,000
Ocean County	S344080-11	324	10	<b>Barnegat Bay</b> - Mechanical Street Sweeper - Equipment	\$ 350,000
Ocean County	S344080-09	328	10	<b>Barnegat Bay</b> - Manufactured Treatment Devices	\$ 1,300,000
Ocean County Utilities Authority	S340372-61	113	9	Northern Water Pollution Control Facility Influent Screw Pump Improvements	\$ 5,300,000
Ocean County Utilities Authority	S340372-62	113	9	Northern Water Pollution Control Facility Clarifier Rehabilitation FC-1 and FC-8	\$ 4,300,000
Ocean County Utilities Authority	S340372-60	454	9	SD1821 SI-4 Interceptor Rehabilitation MH 12-2 to MH 10-6	\$ 870,000

**Key**

**Red Text** SAIL Program (Disaster Relief Projects)

**Green Text** Cost and/or New Project Update

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Ocean County Utilities Authority	S340372-63	113	11 & 30	Northern Water PCF Solids Handling Facility Roof Replacement	\$ 2,200,000
Ocean County Utilities Authority	S340372-59	116	9, 10	AW1611 Area Wide Clarifier Rehabilitation	\$ 7,620,000
Ocean County Utilities Authority	S340372-64	117	10	Central Water Pollution Control Facility Process Improvements	\$ 37,774,000
<b>Ocean County Utilities Authority</b>	<b>S340372-65</b>	<b>701</b>	<b>10</b>	<b>Thickened Sludge Storage and Blend Tank Rehabilitation</b>	<b>\$ 4,200,000</b>
Ocean Gate Borough	S344180-01	341	9	<b>Barneget Bay</b> - Storm Sewer MTD	\$ 2,600,000
Ocean Township Sewer Authority	S340750-13	510	11	2016 Collection System Improvements	\$ 550,000
Ocean Township Sewer Authority	S340750-12	513	11	Interlaken Pump Station reconstruction ( <b>SANDY</b> )	\$ 4,500,000
Old Bridge Municipal Utilities Authority	S340945-14	473	12	2015 Sewage Pump Station Upgrades	\$ 3,600,000
Orange City	S340859-04	1156	34	Water Meter Replacement	\$ 5,100,000
Orange City	S340859-03	411	1	Collection System Rehabilitation and Replacement	\$ 3,377,600
Parsippany Troy Hills Township	S340886-05	486	26	Pump Station No. 4 Sanitary Sewer Redirection Project	\$ 11,733,500
Passaic Valley Sewerage Commission	S340689-37	190	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	<b>CSO</b> - Substation "M" Replacement ( <b>SAIL</b> )	\$ 121,500,000
Passaic Valley Sewerage Commission	S340689-47	190	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	<b>CSO</b> - Headworks Reconstruction Project	\$ 94,965,434
Passaic Valley Sewerage Commission	S340689-48	190	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	Crane Procurement	\$ 900,410
Passaic Valley Sewerage Commission	S340689-44	193	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	<b>CSO</b> - Wallington Pump Station Rehabilitation Project	\$ 16,100,000
<b>Passaic Valley Sewerage Commission</b>	<b>S340689-23</b>	198	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	<b>CSO</b> - Standby Power Generating Facility ( <b>SAIL</b> )	<b>\$ 183,500,000</b>

**Key**

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**Green Text** Cost and/or New Project Update

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Passaic Valley Sewerage Commission	S340689-38	198	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	CSO - Final Clarifier Concrete Rehabilitation Project <b>(SANDY)</b>	\$ 21,500,000
Passaic Valley Sewerage Commission	S340689-40	198	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	CSO - Plant wide Replacement & Relocation of Electrical Switchgear and MCCs <b>(SAIL)</b>	\$ 123,300,000
Passaic Valley Sewerage Commission	S345200-01	198	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	CSO - Combined Sewer Overflow Long Term Control Planning <b>(SANDY)</b>	\$ 9,500,000
Passaic Valley Sewerage Commission	S345200-02	198	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	CSO - Asset Management Plan <b>(SANDY)</b>	\$ 2,000,000
Passaic Valley Sewerage Commission	S340689-49	205	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	PVSC Perimeter Flood Wall, Storm Water Collection Sys. & Pumping Stations (Merged (S340689-41,42,43) <b>(SAIL)</b> )	\$ 296,136,901
Passaic Valley Sewerage Commission	S340689-30	206	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	CSO - Sump Pump Relocation <b>(SAIL)</b>	\$ 3,700,000
Passaic Valley Sewerage Commission	S340689-32	206	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	CSO - Newark Bay Outfall <b>(SANDY)</b>	\$ 10,000,000
Passaic Valley Sewerage Commission	S340689-33	206	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	CSO - Weatherproof tunnel locations incl HVAC for ventilation <b>(SAIL)</b>	\$ 107,000,000
Passaic Valley Sewerage Commission	S340689-45	685	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	Sludge Storage Improvements	\$ 10,210,102

**Key**

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**Green Text** Cost and/or New Project Update

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Passaic Valley Sewerage Commission	S340689-46	685	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	Decant Facility Improvements	\$ 96,000,000
Passaic Valley Sewerage Commission	S340689-50	247	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	Improvements to the Vehicle Maintenance Building	\$ 8,800,000
Passaic Valley Sewerage Commission	S340689-51	204	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	Secondary Bypass and Sludge Train Recycles Rerouting Project	\$ 39,087,360
Passaic Valley Sewerage Commission	S340689-52	194	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	Advanced Electrical Project	\$ 66,477,527
Passaic Valley Sewerage Commission	S340689-53	194	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	Plantwide SCADA Improvements	\$ 16,843,200
Passaic Valley Sewerage Commission	S340689-54	687	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	5th Thickening Centrifuge Project	\$ 15,523,844
Passaic Valley Sewerage Commission	S340689-55	194	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	Improvements to the Utility Tunnel Process Piping Project	\$ 9,288,380
Passaic Valley Sewerage Commission	S340689-56	194	20,21,22,26,27,28,29,31,32,33,34,35,36,37,38,39 & 40	O2 Deck Rehabilitation	\$ 6,000,000
Paterson City	S340850-05	53	35	CSO - 023 Elimination- Sewer Separation at Second Avenue	\$ 1,935,000
Paterson City	S340850-06	53	35	CSO - 21st Avenue Sewer Reconstruction	\$ 2,161,100
Paterson City	S340850-07	53	35	CSO - West Railway Sewer Reconstruction	\$ 2,137,200

**Key**

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**Green Text** Cost and/or New Project Update

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Paterson City	S345210-01	105	35	CSO - Investigation of Tributary Sewers from Adjacent Municipalities (SANDY)	\$ 200,000
Paulsboro Borough	S340164-01	977	3	Stormwater Management	\$ 2,750,000
Pennsville Sewerage Authority	S340870-04	576	3	Pumping Station No. 3 Force Main Replacement	\$ 1,600,000
Perth Amboy City	S340435-17	106	19	CSO -Second Street Corridor Project	\$ 4,418,400
Perth Amboy City	S340435-11	167	19	CSO - Second St. Pump Station Resiliency	\$ 6,459,351
Perth Amboy City	S340435-14	167	19	CSO - Reparation (Pulaski Ave / Parker St. / State Street)	\$ 2,608,000
Perth Amboy City	S340435-19	167	19	The Purchasing of a CCTV Video Pipeline Inspection System Project	\$ 400,000
Perth Amboy City	S345220-01	167	19	CSO - Permit Development of Long Term Control Plan	\$ 1,000,000
Phillipsburg Town	S340874-08	362	23	Sanitary and Storm Sewer Infrastructure Improvements	\$ 2,600,000
Phillipsburg Town	S340874-09	224	23	Wastewater Treatment Plant Odor Control Management	\$ 3,123,000
Plainfield Municipal Utilities Authority	S340240-06	913	4,18 & 22	Transfer Station Improvement	\$ 11,675,000
Plumsted Township	S340607-03	723	12	Advanced WW treatment & collection system	\$ 34,000,000
Point Pleasant Beach Borough	S344190-02	340	10	Barneget Bay - Little Silver Lake Drainage Improv. Project	\$ 3,150,000
Point Pleasant Beach Borough	S340479-04	1174	10	Water Meter Replacement Project (FKA DW)	\$ 1,930,000
Pollution Control Financing Authority of Warren County	S342026-01	1139	24	Pollution Control Financing Authority Cell 7 Project	\$ 24,000,000
Princeton	S340656-08	370	16	System-wide Sanitary Sewer Rehabilitation	\$ 4,300,000
Princeton	S340656-11	557	16	Improvements to Linden Lane and Spruce Street	\$ 3,925,678
Princeton	S340656-12	557	16	Improvements to Bank Street	\$ 1,871,602
Princeton	S340656-09	370	16	Linden Lane Improvements	\$ 1,821,582
Rahway Valley Sewerage Authority	S340547-14	12	21,22	Sludge Digester Upgrades	\$ 9,500,000
Rahway Valley Sewerage Authority	S340547-15	15	21,22	Trucked-in Waste Receiving Station	\$ 2,588,518
Raritan Township Municipal Utilities Authority	S340485-12	251	16	Main Treatment Plant Improvements 2016	\$ 4,900,000
Red Bank Borough	S340528-01	577	11	White Street Water & Sewer Improvements	\$ 1,500,000
Ridgefield Park Village	S345230-01	100	36	CSO - Planning for Long Term Control Plan	\$ 800,002
Ridgefield Park Village	S340688-05	890	36	Village of Ridgefield Park Skymark Project	\$ 30,211,486

**Key**

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**Green Text** Cost and/or New Project Update

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Riverside Sewerage Authority	S340490-01	163	7	Primary Digester Mixing System	\$ 840,000
<b>Rochelle Park Township</b>	<b>S340310-02</b>	<b>627</b>	<b>38</b>	<b>Sewer Pumping Station</b>	<b>\$ 1,500,000</b>
Rockaway Valley Regional Sewer Authority	S340821-07	326	40	Rehab four existing final clarifiers	\$ 8,200,000
Rockaway Valley Regional Sewer Authority	S340821-08	326	25,26	Improvements to treatment facility to ensure compliance with NJPDES effluent parameters, & implement add'l SCADA improvements	\$ 15,500,000
Roselle Borough	S340332-02	543	20	Cleaning & lining of sanitary sewer	\$ 3,800,000
Runnemede Borough	S340363-06	601	5	Sanitary Sewer slip-lining at various locations	\$ 1,800,000
Rutgers University	S340500-01	309	11	Busch Cogeneration Plant Upgrade	\$ 37,000,000
Salem City	S340235-03	1147	3	Salem City Water Meter (FKA DW)	\$ 1,900,000
Salem County Improvement Authority	S342022-02	1142	3	Cell 10 Construction	\$ 8,500,000
Scotch Plains Township	S340512-01	525	22	Sewer Pump Station Upgrades	\$ 2,700,000
Seaside Park Borough	S340083-04	676	9	Phase III A Sanitary Sewer Replacement	\$ 4,000,000
Ship Bottom Borough	S340311-05	678	9	Sewer Main Replacement Project	\$ 5,000,000
Ship Bottom Borough	S340311-04	1176	9	Residential Water Meter Project	\$ 2,750,000
Somerset Raritan Valley Sewer Authority	S340801-09	180	16,21,22 & 23	WWTP Rehabilitation Improvements (SFY2019)	\$ 6,500,000
Somerset Raritan Valley Sewer Authority	S340801-07	181	16,21,22 & 23	Stormwater control facility to eliminate sewage discharge	\$ 34,000,000
Somerville Borough	S340551-01	377	16	Somerville Sanitary Sewers Project 19-001	\$ 3,700,000
<b>South Monmouth Regional Sewer Authority</b>	<b>S340377-04A</b>	491	30	<b>Pump Station Improvements (SAIL)</b>	<b>\$ 6,981,600</b>
South Monmouth Regional Sewer Authority	S340377-06	587	30	Pump Station Upgrades - Brielle and Glimmer Glass	\$ 1,700,000
South Orange Village	S340103-02	1158	27	Advanced Metering Infrastructure (AMI) Implementation	\$ 2,670,000
Spotswood Borough	S340510-01	968	14	Roadway, Stormwater Management and Sanitary Sewer System Improvements	\$ 5,427,000
Stafford Township	S344100-03	260	9	<b>Barneget Bay</b> - Neptune Basin Expansion	\$ 5,600,000
Stafford Township	S340946-07	372	9	Beach Haven West Sewer Rehab	\$ 5,000,000
Stony Brook Regional Sewer Authority	S340400-11	266	15,16	River Road Wastewater Treatment Plant UV Disinfection and Effluent Filtration Project	\$ 22,000,000
Sussex County Municipal Utilities Authority	S342008-04	1043	24	SCMUA Leachate Pump Station/Force Main Construction	\$ 8,400,000

**Key**

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Sussex County Municipal Utilities Authority	S342008-06	1138	24	Landfill Life Stage 2 Expansion/Infrastructure Relocation Project	\$ 43,000,000
Toms River MUA	S340145-05	450	9	Sanitary Sewer Rehabilitation	\$ 4,500,000
Toms River Municipal Utilities Authority	S340145-07	450	9,10	Sanitary Sewer Rehabilitation	\$ 8,500,000
Toms River Municipal Utilities Authority	S340145-08	450	9,10	Equipment Purchase	\$ 1,358,400
Tuckerton Borough	S340034-05	403	9	Curlew Rd., Kingfisher Rd. and Bass Rd. Sanitary Sewer System Rehabilitation	\$ 3,300,000
Tuckerton Borough	S340034-04	886	9	Dredging of Tuckerton Waterways (Clean Water)	\$ 7,750,000
Two Rivers Water Reclamation Authority	S340117-08	125	13	Plant RAS Improvements	\$ 2,400,000
Two Rivers Water Reclamation Authority	S340117-09	458	13	Interceptor and Pump Station Improvements	\$ 4,000,000
Two Rivers Water Reclamation Authority	S340117-10	459	13	New Main Pump Station	\$ 75,000,000
University Hospital	S340500-03	1167	28	University Hospital Co Generation Plant	\$ 7,800,000
Vernon Township	S340745-03	386	24	Vernon Township Asset Management Assessment and Plan	\$ 110,000
Warren Township Sewer Authority	S340964-05	562	21	Stage I/II, IV Collection System Rehabilitation	\$ 10,800,000
Warren Township Sewerage Authority	S340964-06	31	21	Contract 56 Wastewater Treatment Plant Improvements	\$ 4,550,000
West Deptford Township	S340947-05	536	3	Replacement of Pump Stations 4 and 6	\$ 1,415,000
West Deptford Township	S340947-06	1170	3	Water Meter Replacement Project (FKA DW)	\$ 3,800,000
West Wildwood Borough	S340626-05	887	1	Storm Sewer Improvements to Avenues P, Q, R, S & Mueller Avenue	\$ 1,890,000
Western Monmouth Utilities Authority	S340128-08	470	12	Hawkins Road and Millponds Forcemain Replacement	\$ 8,000,000
Western Monmouth Utilities Authority	S340128-05	471	11,12 & 13	Route 79 Pump Station and Force Main Replacement	\$ 7,850,000
Western Monmouth Utilities Authority	S340128-06	329	11,12 & 13	Pine Brook Sewage Treatment Plant Improvements	\$ 13,100,000
Wildwood City	S340664-06	339	1	2019 Capital Improvements	\$ 15,713,010
Willingboro Municipal Utilities Authority	S340132-08	385	7	Collection System Resiliency (SANDY)	\$ 1,900,000
Willingboro Municipal Utilities Authority	S340132-11	1149	7	Water Meter Infrastructure Project	\$ 10,000,000

**Key**

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Willingboro Municipal Utilities Authority	S340132-09	314	7,8	Water Pollution Control Plant-Installation of Screening and Grit Removal Equipment	\$ 9,000,000
Willingboro Municipal Utilities Authority	S340132-10	684	7,8	Energy Savings Improvement Program	\$ 18,200,000
Winslow Township	S340895-10	503	4	Various Sanitary Sewer System Rehab	\$ 1,700,000
Woodbine Borough	S340370-02	724	1	Sanitary Sewer System Phase 1	\$ 6,542,000
Woodbridge Township	S340433-11	441	19	Control of Odors and Corrosion in the Port Reading Interceptor	\$ 15,300,000
Woodbridge Township	S340433-12	441	19	Segment Five Keasbey Interceptor Phase 1 and 2	\$ 28,919,899
Woolwich Township	S340432-01	790	3	New Collection System & Treatment	\$ 17,400,000
<b>Base and Sandy SFY2022 Clean Water Projects #:</b>	<b>380</b>			<b>Subtotal:</b>	<b>\$ 4,395,122,904</b>
<b>Clean Water Projects #:</b>	<b>389</b>			<b>Total Clean Water Projects:</b>	<b>\$ 4,448,572,904</b>

<b>Pinelands Clean Water Projects</b>					
Project Sponsor	Project Number	Rank	Legislative District	Project Description	Estimated Total Project Cost
Galloway	Pinelands	PL-4	9	Pinehurst Sewer Extension	\$ 3,493,440
Manchester Twp./Jackson MUA	Pinelands	PL-2	10,12	Water & Sewer	\$ 7,192,035
Pemberton	Pinelands	PL-1	8	BCI Water System Improvement	\$ 2,929,000
Winslow	Pinelands	PL-5	4	Water & Sewer	\$ 1,728,940
<b>Total Pinelands Projects #:</b>	<b>4</b>				<b>\$ 15,343,415</b>
<b>Total Clean Water and Pinelands Projects #:</b>	<b>393</b>			<b>Total Clean Water and Pinelands Projects:</b>	<b>\$ 4,463,916,319</b>

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<b>Red Text</b>	SAIL Program (Disaster Relief Projects)
<b>Green Text</b>	Cost and/or New Project Update

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## APPENDIX A - Clean Water

### Combined Base SFY2022 Interim Clean Water / Superstorm Sandy Environmental Financing Program Project Priority List and Disaster Relief Emergency Financing Program (Statewide Assistance Infrastructure Loan Program (SAIL)) Project Priority List

Rank Order

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
<b>SUPPLEMENTAL LOANS</b>				
N/A	Franklin Township Sewerage Authority	S340839-06-1	Supplemental - Rodney Ave Pump Station	\$ 1,000,000
N/A	Paterson City	S340850-03-1	Change Order 2 CSO 029 Solids and Floatables Control	\$ 2,550,000
N/A	Rockaway Valley RSA	S340821-06-1	Old Jersey Trunk Sewer Replacement	\$ 775,000
N/A	Rockaway Valley RSA	S340821-02-1	Interceptor Cleaning, Video Inspection & Rehab	\$ 1,000,000
N/A	Somerville Borough	S342013-01-1	Green Seam Phase II Ground Water Treatment	\$ 1,850,000
<b>Supplemental Loans #:</b>		<b>5</b>	<b>Subtotal:</b>	<b>\$ 7,175,000</b>

<b>RESIDUAL LOANS</b>				
N/A	Elizabeth City	S340942-19R	Trumbull Street Flood Control Project	275,000
N/A	Hoboken City	S340635-06R	CSO - Acquisition, Remediation, & Construction on 6 Acre Park & Outfall (SANDY)	40,000,000
N/A	North Bergen MUA	S340652-14R	Woodcliff Additional Improvements	\$ 5,000,000
N/A	Ocean Twp SA	S340750-14R	Asbury Avenue and Longview Pump Stations Rehabilitation	1,000,000
<b>Residual Loans #:</b>		<b>4</b>	<b>Subtotal:</b>	<b>\$ 46,275,000</b>

<b>BASE &amp; SUPERSTORM SANDY LOANS</b>				
1	Musconetcong Sewer Authority	S340384-09	Wastewater Treatment Plant Improvements	\$ 6,000,000
2	Oakland Borough	S340418-06	Oakland Sewer System Improvements	\$ 5,720,000
3	Camden County Municipal Utilities Authority	S340640-19	CSO - Camden City Green and Grey Infrastructure Project, Phase 4	\$ 11,500,000
3	Camden County Municipal Utilities Authority	S340640-25	Camden City Green Infrastructure, Phase 5	\$ 14,300,000

Key	
Red Text	SAIL Program (Disaster Relief Projects)
Green Text	Cost and/or New Project Update

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
5	Camden County Municipal Utilities Authority	S340640-20	CSO - Camden City Green Infrastructure	\$ 3,000,000
6	Newton Town	S340449-05	Improvements to the Waste Water Treatment Plant, Digester conversion and primary sludge pump replacement.	\$ 1,200,000
7	Camden County Municipal Utilities Authority	S340640-17	CSO - Green & Gray Infrastructure	\$ 3,500,000
8	Camden County Municipal Utilities Authority	S340640-27	Infrastructure Improvements on South 27th Street (CR 609) in the City of Camden	\$ 4,862,636
9	Camden County Municipal Utilities Authority	S345040-01	CSO - Camden City and Gloucester City Long Term CSO Control Plan	\$ 1,380,000
9	Camden County Municipal Utilities Authority	S340640-24	CSO - Upgrade of Camden County Wastewater Treatment Plant to Increase Wet Weather Capacity	\$ 6,500,000
12	Rahway Valley Sewerage Authority	S340547-14	Sludge Digester Upgrades	\$ 9,500,000
15	Rahway Valley Sewerage Authority	S340547-15	Trucked-in Waste Receiving Station	\$ 2,588,518
16	Camden County Municipal Utilities Authority	S340640-21	CSO - Camden City Waterfront Stormwater Pumping Station	\$ 32,500,000
16	Camden County Municipal Utilities Authority	S340640-22	CSO - Upgrades to Camden City's Combined Sewer Overflow System	\$ 3,500,000
16	Camden County Municipal Utilities Authority	S340640-23	CSO - Dredging Of Camden City's Combined Sewer Overflows To Reduce Combined Sewage Flooding	\$ 5,600,000
20	Mendham Borough	S340159-04	WWTP Improvements	\$ 3,500,000
21	Newark City	S340815-25	CSO - Green Infrastructure for the Sewer System	\$ 475,000
21	Newark City	S340815-27	CSO - Greenstreet Projects for the City of Newark	\$ 3,800,000
21	Newark City	S340815-28	South Street and Adams Street Drainage Improvements	\$ 6,000,000
26	Berkeley Heights Township	S340385-05	STP Upgrade	\$ 2,000,000
27	Camden County Municipal Utilities Authority	S340640-16	CSO - Wastewater Treatment Plant Improvements	\$ 13,300,000

**Key**

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Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
28	Camden County Municipal Utilities Authority	S340640-29	Delaware #1 WPCF Piping and Treatment Upgrades	\$ 11,300,000
29	Montgomery Township	S340130-03	Stage II Wastewater Treatment Plant Flood Protection Project	\$ 12,000,000
31	Warren Township Sewerage Authority	S340964-06	Contract 56 Wastewater Treatment Plant Improvements	\$ 4,550,000
32	Newark City	S340815-24	<b>CSO</b> - Structural evaluation & rehab of 350 miles of small diameter sewers	\$ 21,000,000
32	Newark City	S340815-26	<b>CSO</b> - Improvements to the Peddie Combined Sewer Overflow	\$ 3,300,000
38	Camden City	S340366-07	<b>CSO</b> - 2014 Sanitary/Combined Sewer Rehab / Replacement Project	\$ 59,000,000
38	Camden City	S340366-12	<b>CSO</b> - Cooper Street Pump Station	\$ 2,300,000
38	Camden City	S340366-13	<b>CSO</b> - Rehabilitation of Arch Street Pump Station	\$ 12,000,000
38	Camden City	S340366-14	<b>CSO</b> - Rehabilitation of Ten (10) Combined Sewer Outfalls.	\$ 9,370,000
38	Camden City	S340366-15	<b>CSO</b> - Rehabilitation of Combined Sewer Outfalls and Regulator Chambers	\$ 13,330,000
43	Jersey City Municipal Utilities Authority	S340928-27	<b>CSO</b> - Green Infrastructure- Martin Luther King Drive Tree Trenches	\$ 500,000
43	Jersey City Municipal Utilities Authority	S340928-37	Sewer Improvements 2a	\$ 50,202,482
46	Middlesex County Utilities Authority	S340699-17	ctp rehabilitation phase 4	\$ 14,000,000
47	Camden County Municipal Utilities Authority	S340640-18	Phase I upgrades, improve/sustain optimal wastewater performance ( <b>SANDY</b> )	\$ 84,030,000
49	North Bergen Municipal Utilities Authority	S340652-14	CSO - Woodcliff Additional Improvements	\$ 28,000,000
51	Hoboken City	S340635-08	<b>CSO</b> - Southwest Resiliency Park - Acquisition, Rehabilitation	\$ 6,600,000
53	Paterson City	S340850-05	<b>CSO</b> - 023 Elimination- Sewer Separation at Second Avenue	\$ 1,935,000
53	Paterson City	S340850-06	<b>CSO</b> - 21st Avenue Sewer Reconstruction	\$ 2,161,100
53	Paterson City	S340850-07	<b>CSO</b> - West Railway Sewer Reconstruction	\$ 2,137,200
58	Hopatcong Borough	S340488-08	Hudson Avenue Sanitary Sewer Installation	\$ 600,000
59	Jersey City Municipal Utilities Authority	S340928-42	Phase 6A Sewer Rehabilitation	\$ 36,000,000
59	Jersey City Municipal Utilities Authority	S340928-44	Claremont Carteret Pump Station	\$ 37,000,000
59	Jersey City Municipal Utilities Authority	S340928-43	Phase 7a Sewer Improvements	\$ 61,751,143

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Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
59	Jersey City Municipal Utilities Authority	S340928-46	Jersey City Claremont Emergency Repair.	\$ 3,600,000
<b>59</b>	<b>Jersey City Municipal Utilities Authority</b>	<b>S340928-47</b>	<b>Van Horne Street Sewer Improvements</b>	<b>\$ 11,400,000</b>
64	Jersey City Municipal Utilities Authority	S340928-40	Eastside and Westside Pump Station Mechanical Screens	\$ 3,600,000
65	Jersey City Municipal Utilities Authority	S340928-15	<b>CSO - Phase 3 &amp; 4 Sewer Improvements (SANDY)</b>	\$ 41,000,000
65	Jersey City Municipal Utilities Authority	S340928-21	<b>CSO - Sewer Pipe Replacement / Phase V CSO Study</b>	\$ 25,000,000
<b>65</b>	<b>Jersey City Municipal Utilities Authority</b>	<b>S340928-16</b>	<b>Sixth Street Combined Sewer Outfall</b>	<b>\$ 9,500,000</b>
65	Jersey City Municipal Utilities Authority	S340928-18	<b>CSO - Claremont Carteret outfall replacement (SANDY)</b>	\$ 5,600,000
65	Jersey City Municipal Utilities Authority	S340928-20	<b>CSO - Outfall Chambers (SANDY)</b>	\$ 7,200,000
65	Jersey City Municipal Utilities Authority	S340928-24	<b>CSO - Phase 1/2 Sewer Rehabilitation</b>	\$ 108,000,000
65	Jersey City Municipal Utilities Authority	S340928-28	<b>CSO - Van Winkle Ave. San. Sewer Rehab.</b>	\$ 2,700,000
65	Jersey City Municipal Utilities Authority	S340928-29	<b>CSO - Carteret Ave. Sewer Replacement</b>	\$ 18,500,000
65	Jersey City Municipal Utilities Authority	S340928-31	<b>CSO - 54 inch JCMUA/PVSC FORCEMAIN REPAIR</b>	\$ 11,059,600
65	Jersey City Municipal Utilities Authority	S340928-33	Pine Street Syphon Replacement	\$ 9,000,000
65	Jersey City Municipal Utilities Authority	S340928-34	Sanitary Sewer Main Rehabilitation/Lining	\$ 1,300,000
65	Jersey City Municipal Utilities Authority	S340928-36	Phase 5-B Sewer	\$ 10,800,000
65	Jersey City Municipal Utilities Authority	S340928-38	Sewer Improvements Phase 5a	\$ 35,273,044
65	Jersey City Municipal Utilities Authority	S340928-39	3 Pump Stations Flood Hardening Improvements	\$ 33,000,000
65	Jersey City Municipal Utilities Authority	S340928-41	Van Winkle Combined Sewer Outfall	\$ 4,500,000
65	Jersey City Municipal Utilities Authority	S340928-23	3 Pump Stations Flood Hardening Improvements	\$ 1,846,000
65	Jersey City Municipal Utilities Authority	S340928-35	Carteret Phase II	\$ 7,774,166
87	Elizabeth City	S340942-13	<b>CSO - Western Interceptor Modifications</b>	\$ 13,146,000
87	Elizabeth City	S340942-17	<b>CSO - South Street Flood Control Project (SANDY)</b>	\$ 6,500,000
87	Elizabeth City	S340942-20	South Second Street Drainage and Atlantic Street CSO Tank Project	\$ 10,300,000

**Key**

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Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
87	Elizabeth City	S345070-01	<b>CSO</b> - City of Elizabeth Combined Sewer Overflow Long Term Control Plan	\$ 4,000,001
92	Camden County Municipal Utilities Authority	S340640-13	Delaware #1 Pump Upgrades	\$ 12,800,000
93	Bayonne City	S340399-31	<b>CSO</b> - Stormwater Management Facilities and Park Improvements	\$ 1,618,539
96	Kearny Town	S340259-11	<b>CSO</b> - Dukes St Stormwater Pump Station	\$ 17,000,000
100	Ridgefield Park Village	S345230-01	<b>CSO</b> - Planning for Long Term Control Plan	\$ 800,002
101	Guttenberg Town	S340854-03	Guttenberg CSO	\$ 3,500,000
103	Carneys Point Sewerage Authority	S340502-09	UV Disinfection & Filter System Improvements	\$ 1,497,445
105	Paterson City	S345210-01	<b>CSO</b> - Investigation of Tributary Sewers from Adjacent Municipalities ( <b>SANDY</b> )	\$ 200,000
106	Perth Amboy City	S340435-17	<b>CSO</b> -Second Street Corridor Project	\$ 4,418,400
107	Long Branch Sewerage Authority	S340336-08	2018 Capital Improvements Projects - Wastewater Treatment Plant	\$ 1,740,700
113	Ocean County Utilities Authority	S340372-61	Northern Water Pollution Control Facility Influent Screw Pump Improvements	\$ 5,300,000
113	Ocean County Utilities Authority	S340372-62	Northern Water Pollution Control Facility Clarifier Rehabilitation FC-1 and FC-8	\$ 4,300,000
113	Ocean County Utilities Authority	S340372-63	Northern Water PCF Solids Handling Facility Roof Replacement	\$ 2,200,000
116	Ocean County Utilities Authority	S340372-59	AW1611 Area Wide Clarifier Rehabilitation	\$ 7,620,000
117	Ocean County Utilities Authority	S340372-64	Central Water Pollution Control Facility Process Improvements	\$ 37,774,000
125	Two Rivers Water Reclamation Authority	S340117-08	Plant RAS Improvements	\$ 2,400,000
128	Hoboken City	S340635-07	<b>CSO</b> - Resilient Green Infrastructure for CSO Reduction	\$ 5,000,000
128	Hoboken City	S340635-09	ROW Green Infrastructure adjacent to water Mains	\$ 500,000
133	Mount Laurel Township Municipal Utilities Authority	S340943-06	Sewer System Improvement Project (Bundle 1)	\$ 8,000,000
135	Cliffside Park Borough	S340847-04	<b>CSO</b> - Combined Sewer Separation	\$ 5,300,000
141	Jersey City	S340928-30	<b>CSO</b> - Street Cleaning Equipment	\$ 2,711,000
142	North Hudson Sewer Authority	S340952-35	Adams Street WWTP Improvements	\$ 250,000
143	North Hudson Sewer Authority	S340952-34	Collection System Improvements	\$ 1,200,000
152	North Hudson Sewer Authority	S340952-33	H6/H7 Long Term Control Plan Project	\$ 27,000,000

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Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
152	North Hudson Sewer Authority	S340952-32	Madison Street Infrastructure Improvements	\$ 4,492,662
154	North Hudson Sewer Authority	S340952-30	<b>CSO</b> - 2017 Adams Street Wastewater Treatment Plant Improvements	\$ 23,200,000
154	North Hudson Sewer Authority	S340952-31	Green Infrastructure	\$ 547,350
154	North Hudson Sewer Authority	S345190-01	<b>CSO</b> - Combined Sewer Long Term Control Plan	\$ 6,000,000
159	North Hudson Sewer Authority	S340952-37	Madison Street Improvements	\$ 5,400,000
159	North Hudson Sewer Authority	S340952-38	W1234 Outfall Emergency Repair	\$ 1,351,200
163	Riverside Sewerage Authority	S340490-01	Primary Digester Mixing System	\$ 840,000
167	Perth Amboy City	S340435-11	<b>CSO</b> - Second St. Pump Station Resiliency	\$ 6,459,351
167	Perth Amboy City	S340435-14	<b>CSO</b> - Reparation (Pulaski Ave / Parker St. / State Street)	\$ 2,608,000
167	Perth Amboy City	S340435-19	The Purchasing of a CCTV Video Pipeline Inspection System Project	\$ 400,000
167	Perth Amboy City	S345220-01	<b>CSO</b> - Permit Development of Long Term Control Plan	\$ 1,000,000
174	Hackensack City	S340923-13	The Long Term Control Plan and CSO Sewer Separation Efforts (Phase 3)	\$ 14,700,000
174	Hackensack City	S340923-14	Sewer Separation to Support Main Street Redevelopment	\$ 8,000,000
180	Somerset Raritan Valley Sewer Authority	S340801-09	WWTP Rehabilitation Improvements (SFY2019)	\$ 6,500,000
181	Somerset Raritan Valley Sewer Authority	S340801-07	Stormwater control facility to eliminate sewage discharge	\$ 34,000,000
188	Delran Township	S340794-11	Service Water System Upgrades and Aeration Blower Replacement Project	\$ 2,100,000
190	Passaic Valley Sewerage Commission	S340689-37	<b>CSO</b> - Substation "M" Replacement ( <b>SAIL</b> )	\$ 121,500,000
190	Passaic Valley Sewerage Commission	S340689-47	<b>CSO</b> - Headworks Reconstruction Project	\$ 94,965,434
190	Passaic Valley Sewerage Commission	S340689-48	Crane Procurement	\$ 900,410
193	Passaic Valley Sewerage Commission	S340689-44	<b>CSO</b> - Wallington Pump Station Rehabilitation Project	\$ 16,100,000
194	Passaic Valley Sewerage Commission	S340689-52	Advanced Electrical Project	\$ 66,477,527
194	Passaic Valley Sewerage Commission	S340689-53	Plantwide SCADA Improvements	\$ 16,843,200
194	Passaic Valley Sewerage Commission	S340689-55	Improvements to the Utility Tunnel Process Piping Project	\$ 9,288,380

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194	Passaic Valley Sewerage Commission	S340689-56	O2 Deck Rehabilitation	\$ 6,000,000
198	Passaic Valley Sewerage Commission	S340689-23	CSO - Standby Power Generating Facility (SAIL)	\$ 183,500,000
198	Passaic Valley Sewerage Commission	S340689-38	CSO - Final Clarifier Concrete Rehabilitation Project (SANDY)	\$ 21,500,000
198	Passaic Valley Sewerage Commission	S340689-40	CSO - Plant wide Replacement & Relocation of Electrical Switchgear and MCCs (SAIL)	\$ 123,300,000
198	Passaic Valley Sewerage Commission	S345200-01	CSO - Combined Sewer Overflow Long Term Control Planning (SANDY)	\$ 9,500,000
198	Passaic Valley Sewerage Commission	S345200-02	CSO - Asset Management Plan (SANDY)	\$ 2,000,000
204	Passaic Valley Sewerage Commission	S340689-51	Secondary Bypass and Sludge Train Recycles Rerouting Project	\$ 39,087,360
205	Passaic Valley Sewerage Commission	S340689-49	PVSC Perimeter Flood Wall, Storm Water Collection Sys. & Pumping Stations (Merged (S340689-41,42,43)(SAIL)	\$ 296,136,901
206	Passaic Valley Sewerage Commission	S340689-30	CSO - Sump Pump Relocation (SAIL)	\$ 3,700,000
206	Passaic Valley Sewerage Commission	S340689-32	CSO - Newark Bay Outfall (SANDY)	\$ 10,000,000
206	Passaic Valley Sewerage Commission	S340689-33	CSO - Weatherproof tunnel locations incl HVAC for ventilation (SAIL)	\$ 107,000,000
217	Northwest Bergen County Utilities Authority	S340700-16	Wastewater Treatment Plant Improvements	\$ 4,900,000
223	Beach Haven Borough	S344220-01	Barneget Bay - Stormwater Pump replacement and drainage	\$ 2,038,640
224	Phillipsburg Town	S340874-09	Wastewater Treatment Plant Odor Control Management	\$ 3,123,000
225	Logan Township Municipal Utilities Authority	S340123-02	Effluent Force Main Replacement Project	\$ 9,948,000
227	Bergen County Utilities Authority	S340386-19	Infrastructure Protection Improvements	\$ 3,240,000
227	Bergen County Utilities Authority	S340386-20	Primary Settling Tanks Improvements	\$ 9,000,000
227	Bergen County Utilities Authority	S340386-21	Final Settling Tanks Improvements	\$ 7,600,000
227	Bergen County Utilities Authority	S340386-22	Facility Assessment and Improvements	\$ 5,690,000
227	Bergen County Utilities Authority	S340386-23	Sludge Digester Improvements	\$ 18,700,000
227	Bergen County Utilities Authority	S340386-24	Tank Header Improvements	\$ 1,950,000

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Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
233	Bergen County Utilities Authority	S340386-15	Power Supply mitigation improvements	\$ 57,000,000
233	Bergen County Utilities Authority	S340386-16	All Plant wide mitigation improvements	<b>\$ 42,000,000</b>
233	Bergen County Utilities Authority	S340386-18	Pump Station Resiliency Project	\$ 2,491,339
240	Linden Roselle Sewer Authority	S340299-09	Phase V Building Improvements	\$ 2,100,000
241	Linden Roselle Sewer Authority	S340299-08	2019 Capital Improvements Projects	\$ 17,000,000
242	Gloucester City	S345090-01	<b>CSO - Combined Sewer Overflow Asset Management Plan</b>	\$ 1,000,000
243	Lambertville Municipal Utilities Authority	S340882-09	WWTP rehab work	\$ 1,800,000
247	Passaic Valley Sewerage Commission	S340689-50	Improvements to the Vehicle Maintenance Building	<b>\$ 8,800,000</b>
251	Raritan Township Municipal Utilities Authority	S340485-12	Main Treatment Plant Improvements 2016	\$ 4,900,000
252	Clinton Town	S340924-08	WWTP Filter and Residuals Building Improvement Project	\$ 4,100,000
259	Gloucester County Utilities Authority	S340902-15	Combined Heat & Power	\$ 11,500,000
260	Stafford Township	S344100-03	<b>Barnegat Bay - Neptune Basin Expansion</b>	\$ 5,600,000
263	Berkeley Township	S344020-02	<b>Barnegat Bay - Water Quality Retention Basin at Moorage Park</b>	\$ 905,063
263	Berkeley Township	S344020-01	Water Quality Retention Basin at Veterans Park	\$ 905,063
265	Allentown Borough	S340567-05	Sewer Plant Modifications	\$ 5,100,000
266	Stony Brook Regional Sewer Authority	S340400-11	River Road Wastewater Treatment Plant UV Disinfection and Effluent Filtration Project	\$ 22,000,000
271	Evesham Municipal Utilities Authority	S340838-09	Elmwood WWTP Resiliency Improvements	\$ 400,000
271	Evesham Municipal Utilities Authority	S340838-10	Elmwood Tertiary Filter Rehabilitation	\$ 1,500,000
274	Long Hill Township	S340404-10	Capacity Assurance and System Rehabilitation Project	\$ 7,500,000
<b>281</b>	<b>Bergen County Utilities Authority</b>	<b>S340386-13</b>	<b>Consolidation of Edgewater/Little Ferry service area</b>	<b>\$ 70,000,000</b>
283	JMEUC - East Orange City	S340686-08a	Flood Mitigation Facilities Project	\$ 1,245,000
283	JMEUC - East Orange City	S340686-09a	Capital Improvements Projects 2019	\$ 620,504
283	JMEUC - Elizabeth City	S340686-08b	Flood Mitigation Facilities Project	\$ 12,920,000
283	JMEUC - Elizabeth City	S340686-09b	Capital Improvements Projects 2019	\$ 6,505,876

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Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
283	JMEUC - Hillside Township	S340686-08c	Flood Mitigation Facilities Project	\$ 1,815,000
283	JMEUC - Hillside Township	S340686-09c	Capital Improvements Projects 2019	\$ 908,430
283	JMEUC - Irvington Township	S340686-08d	Flood Mitigation Facilities Project	\$ 4,505,000
283	JMEUC - Irvington Township	S340686-09d	Capital Improvements Projects 2019	\$ 2,252,347
283	JMEUC - Maplewood Township	S340686-08e	Flood Mitigation Facilities Project	\$ 1,845,000
283	JMEUC - Millburn Township	S340686-08f	Flood Mitigation Facilities Project	\$ 1,650,000
283	JMEUC - Newark City	S340686-08g	Flood Mitigation Facilities Project	\$ 2,705,000
283	JMEUC - Newark City	S340686-09e	Capital Improvements Projects 2019	\$ 1,363,042
283	JMEUC - Roselle Park	S340686-08h	Flood Mitigation Facilities Project	\$ 905,000
283	JMEUC - South Orange Village Township	S340686-08i	Flood Mitigation Facilities Project	\$ 1,305,000
283	JMEUC - South Orange Village Township	S340686-09f	Capital Improvements Projects 2019	\$ 650,806
283	JMEUC - Summit City	S340686-08j	Flood Mitigation Facilities Project	\$ 2,375,000
283	JMEUC - Summit City	S340686-09g	Capital Improvements Projects 2019	\$ 1,186,322
283	JMEUC - Union Township	S340686-08k	Flood Mitigation Facilities Project	\$ 4,885,000
283	JMEUC - Union Township	S340686-09h	Capital Improvements Projects 2019	\$ 2,449,335
283	JMEUC - West Orange Township	S340686-08l	Flood Mitigation Facilities Project	\$ 3,170,000
283	JMEUC - West Orange Township	S340686-09i	Capital Improvements Projects 2019	\$ 1,585,429
306	Howell Township	S344040-02	<b>Barnegat Bay</b> - Freewood Acres & Route 9 Sanitary Sewer Extension	\$ 14,680,000
309	Rutgers University	S340500-01	Busch Cogeneration Plant Upgrade	\$ 37,000,000
311	Northfield City	S340508-04	Sanitary Sewer Pump Station Upgrades - Zion and Davis Avenues	\$ 720,000
314	Willingboro Municipal Utilities Authority	S340132-09	Water Pollution Control Plant-Installation of Screening and Grit Removal Equipment	\$ 9,000,000
324	Ocean County	S344080-10	<b>Barnegat Bay</b> - Camera Pipe Line Inspection Truck System - Equipment	\$ 250,000
324	Ocean County	S344080-11	<b>Barnegat Bay</b> -Mechanical Street Sweeper - Equipment	\$ 350,000
326	Rockaway Valley Regional Sewer Authority	S340821-07	Rehab four existing final clarifiers	\$ 8,200,000

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Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
326	Rockaway Valley Regional Sewer Authority	S340821-08	Improvements to treatment facility to ensure compliance with NJPDES effluent parameters, & implement add'tl SCADA improvements	\$ 15,500,000
328	Ocean County	S344080-09	<b>Barnegat Bay</b> - Manufactured Treatment Devices	\$ 1,300,000
329	Western Monmouth Utilities Authority	S340128-06	Pine Brook Sewage Treatment Plant Improvements	\$ 13,100,000
332	Lacey Township	S344140-02	Yacht Basin Plaza North & South Bulkhead and Stormwater Management	\$ 1,559,000
333	Chatham (MCJM) Borough	S340715-07A	Facility Improvements 2018	\$ 7,289,180
333	Madison (MCJM) Borough	S340715-07B	Facility Improvements 2018	\$ 7,289,180
339	Wildwood City	S340664-06	2019 Capital Improvements	\$ 15,713,010
340	Point Pleasant Beach Borough	S344190-02	<b>Barnegat Bay</b> - Little Silver Lake Drainage Improv. Project	\$ 3,150,000
341	Ocean Gate Borough	S344180-01	<b>Barnegat Bay</b> - Storm Sewer MTD	\$ 2,600,000
346	New Jersey Water Supply Authority	S340421-02	Round Valley Reservoir Structures Refurbishment and Resource Preservation	\$ 86,100,000
355	Kearny Municipal Utilities Authority	S340259-14	PS Grit Collector Replacement /Central & Pennsylvania Ave Sewer Rehab	\$ 1,582,000
362	Phillipsburg Town	S340874-08	Sanitary and Storm Sewer Infrastructure Improvements	\$ 2,600,000
367	Long Branch Sewerage Authority	S340336-09	2018 Capital Improvements Projects - Collection System	\$ 5,600,000
370	Princeton	S340656-08	System-wide Sanitary Sewer Rehabilitation	\$ 4,300,000
370	Princeton	S340656-09	Linden Lane Improvements	\$ 1,821,582
372	Stafford Township	S340946-07	Beach Haven West Sewer Rehab	\$ 5,000,000
375	Metuchen Borough	S340360-02	Sewage Pump Station Replacement	\$ 4,000,000
377	Somerville Borough	S340551-01	Somerville Sanitary Sewers Project 19-001	\$ 3,700,000
381	Netcong Borough	S340538-01	Sewer System Asset Management Plan	\$ 100,000
383	Manasquan River Regional Sewerage Authority	S340911-03	Equipment Replacement	\$ 660,000
384	Manasquan River Regional Sewerage Authority	S340911-04	Mingamahone Pump Station Improvements	\$ 2,388,541
385	Willingboro Municipal Utilities Authority	S340132-08	Collection System Resiliency ( <b>SANDY</b> )	\$ 1,900,000
386	Vernon Township	S340745-03	Vernon Township Asset Management Assessment and Plan	\$ 110,000

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389	Little Egg Harbor Municipal Utilities Authority	S340579-03	Little Egg Harbor Sewer Main Replacement	\$ 2,900,000
<b>389</b>	<b>Little Egg Harbor Township</b>	<b>S340579-05</b>	<b>Sewer Main Replacement Phase II</b>	<b>\$ 4,200,000</b>
392	Delran Township	S340794-10	Clay Street Pump Station	\$ 2,100,000
394	Hopatcong Borough	S340488-07	Sanitary Sewer System Asset Management Plan	\$ 80,000
<b>401</b>	<b>Delanco Sewerage Authority</b>	<b>S340956-03</b>	<b>Collection System Improvement Project</b>	<b>\$ 1,500,000</b>
403	Tuckerton Borough	S340034-05	Curlew Rd., Kingfisher Rd. and Bass Rd. Sanitary Sewer System Rehabilitation	\$ 3,300,000
408	Montclair Township	S340837-05	Sanitary Sewer Manhole Rehabilitation	\$ 800,000
411	Orange City	S340859-03	Collection System Rehabilitation and Replacement	\$ 3,377,600
415	Collingswood Borough	S340291-04	Harrison avenue area sanitary sewer improvements	\$ 800,000
418	Middlesex County Utilities Authority	S340699-14	Main Truck Sewer Rehab Phase II	\$ 11,000,000
418	Middlesex County Utilities Authority	S340699-16	Main Trunk Sewer Rehabilitation Phase III	\$ 18,100,000
426	Bergen County Utilities Authority	S340386-25	Northern Valley Force Main Improvements	\$ 4,000,000
427	Monmouth County Bayshore Outfall Authority	S340325-04	Force Main Assessment and Rehabilitation	\$ 3,500,000
429	Camden County Municipal Utilities Authority	S340640-30	CCMUA Pump Station Electrical Upgrades	\$ 7,500,000
429	Camden County Municipal Utilities Authority	S340640-28	Emergency Rehab/Replacement of the CCMUA Berlin Twp. Force Main	\$ 7,500,000
432	Atlantic County Utilities Authority	S340809-29	Replace a portion of Brigantine Force Main	\$ 4,000,000
436	Atlantic County Utilities Authority	S340809-30	Ventnor-Margate Force main Replacement - Phase 1	\$ 10,100,000
441	Woodbridge Township	S340433-11	Control of Odors and Corrosion in the Port Reading Interceptor	\$ 15,300,000
441	Woodbridge Township	S340433-12	Segment Five Keasbey Interceptor Phase 1 and 2	\$ 28,919,899
450	Toms River MUA	S340145-05	Sanitary Sewer Rehabilitation	\$ 4,500,000
450	Toms River Municipal Utilities Authority	S340145-07	Sanitary Sewer Rehabilitation	\$ 8,500,000
450	Toms River Municipal Utilities Authority	S340145-08	Equipment Purchase	\$ 1,358,400

**Key**

**Red Text** SAIL Program (Disaster Relief Projects)

**Green Text** Cost and/or New Project Update

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
454	Ocean County Utilities Authority	S340372-60	SD1821 SI-4 Interceptor Rehabilitation MH 12-2 to MH 10-6	\$ 870,000
458	Two Rivers Water Reclamation Authority	S340117-09	Interceptor and Pump Station Improvements	\$ 4,000,000
459	Two Rivers Water Reclamation Authority	S340117-10	New Main Pump Station	\$ 75,000,000
460	Brick Township Municipal Utilities Authority	S340448-11	Wastewater Pump Station Rehabilitation - Phase II	\$ 5,700,000
460	Brick Township Municipal Utilities Authority	S340448-13	Sanitary Sewer Main Replacement on Cartagena Drive, Alhama Drive, Cadiz Drive, Valencia Drive and Monterey Drive	\$ 4,060,000
460	Brick Township Municipal Utilities Authority	S340448-12	Sanitary Sewer Manhole Rehabilitation and Replacement	\$ 4,824,000
463	Northwest Bergen County Utilities Authority	S340700-19	Interceptor System Rehabilitation	\$ 8,132,450
463	Northwest Bergen County Utilities Authority	S340700-15	Wastewater Pump Station Improvements	\$ 7,000,000
463	Northwest Bergen County Utilities Authority	S340700-18	Interceptor System Rehabilitation	\$ 2,000,000
470	Western Monmouth Utilities Authority	S340128-08	Hawkins Road and Millponds Forcemain Replacement	\$ 8,000,000
471	Western Monmouth Utilities Authority	S340128-05	Route 79 Pump Station and Force Main Replacement	\$ 7,850,000
473	Old Bridge Municipal Utilities Authority	S340945-14	2015 Sewage Pump Station Upgrades	\$ 3,600,000
476	Franklin Township Sewerage Authority	S340839-08	Hamilton St. Pumping Station	\$ 4,200,000
476	Franklin Township Sewerage Authority	S340839-09	Marcy Street Sanitary Sewer Rehab	\$ 7,500,000
486	Parsippany Troy Hills Township	S340886-05	Pump Station No. 4 Sanitary Sewer Redirection Project	\$ 11,733,500
491	South Monmouth Regional Sewer Authority	S340377-04A	Pump Station Improvements (SAIL)	\$ 6,981,600
495	Evesham Municipal Utilities Authority	S340838-07	Sewer System Improvements	\$ 1,600,000
496	Evesham Municipal Utilities Authority	S340838-08	Route 70 Sewer Rehabilitation	\$ 1,000,000
497	Egg Harbor Township Municipal Utilities Authority	S340753-06	FAA Pump Station Reconstruction	\$ 1,250,000
499	Mount Laurel Township Municipal Utilities Authority	S340943-07	Sewer System Improvement Project (Bundle 2)	\$ 3,200,000

**Key**

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Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
500	Berkeley Township Sewer Authority	S340969-14	Bayview Ave. Force Main Replacement	\$ 3,000,000
<b>501</b>	<b>North Brunswick Township</b>	<b>S340888-03</b>	<b>Sanitary Sewer Improvement Project</b>	<b>\$ 2,400,000</b>
503	Winslow Township	S340895-10	Various Sanitary Sewer System Rehab	\$ 1,700,000
506	Monroe Municipal Utilities Authority	S340423-05	Video Inspection Equipment	\$ 300,000
510	Ocean Township Sewer Authority	S340750-13	2016 Collection System Improvements	\$ 550,000
513	Ocean Township Sewer Authority	S340750-12	Interlaken Pump Station reconstruction <b>(SANDY)</b>	\$ 4,500,000
525	Scotch Plains Township	S340512-01	Sewer Pump Station Upgrades	\$ 2,700,000
526	Carteret Borough	S340939-10	Roosevelt Pump Station and Bergen Street Pump Station Upgrades	\$ 6,600,000
528	Burlington Township	S340712-17	Sanitary Sewer Rehabilitation in Various Locations	\$ 1,000,000
536	Deptford Township Municipal Utilities Authority	S340066-03	Sanitary Sewer Rehabilitation at Country Club Estates	\$ 1,000,000
536	Deptford Township Municipal Utilities Authority	S340066-04	Sanitary Sewer Rehabilitation at East Woodbury	\$ 700,000
536	West Deptford Township	S340947-05	Replacement of Pump Stations 4 and 6	\$ 1,415,000
539	Hillside (JMEUC) Township	S340686-10	North Avenue Pumping Station	\$ 1,300,000
543	Roselle Borough	S340332-02	Cleaning & lining of sanitary sewer	\$ 3,800,000
544	Hamilton Township Municipal Utilities Authority	S340903-06	2019 Wastewater Facility Upgrades and Renovations	\$ 2,500,000
554	Hopewell Township	S340282-03	Sanitary Sewer System Asset Management Plan - Sewer Rehabilitation Projects	\$ 1,640,000
557	Princeton	S340656-11	Improvements to Linden Lane and Spruce Street	\$ 3,925,678
557	Princeton	S340656-12	Improvements to Bank Street	\$ 1,871,602
562	Warren Township Sewer Authority	S340964-05	Stage I/II, IV Collection System Rehabilitation	\$ 10,800,000
564	Mantua Township MUA	S340514-01	Austin Street Sewer Pump Station	\$ 1,400,000
564	Mantua Township MUA	S340514-03	Royal Oaks Sewer Pump Station	\$ 1,000,000
569	Middlesex Borough	S340698-02	Sanitary Sewer Main Improvements	\$ 2,568,750
569	Middlesex Borough	S340698-03	Middlesex Borough Rehabilitation of Sanitary Sewers Phase II (Greenbrook Rd. and Louis Ave. Pump Stations)	\$ 1,000,000

**Key**

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**Green Text** Cost and/or New Project Update

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
576	Pennsville Sewerage Authority	S340870-04	Pumping Station No. 3 Force Main Replacement	\$ 1,600,000
577	Red Bank Borough	S340528-01	White Street Water & Sewer Improvements	\$ 1,500,000
587	South Monmouth Regional Sewer Authority	S340377-06	Pump Station Upgrades - Brielle and Glimmer Glass	\$ 1,700,000
594	Brigantine City	S340827-04	Emergency Generators ( <b>SANDY</b> )	\$ 3,300,000
598	Northfield City	S340508-03	Preparation of an Asset Management Plan	\$ 180,000
601	Runnemede Borough	S340363-06	Sanitary Sewer slip-lining at various locations	\$ 1,800,000
602	North Haledon Borough	S340229-02	Small System Asset Management Plan	\$ 100,000
604	Carneys Point Sewerage Authority	S340502-08	Lafayette Road Sanitary Sewer	\$ 1,057,203
609	Glen Ridge Borough	S340861-03	Sewer Cleaning Truck	\$ 445,849
609	Glen Ridge Borough	S340861-04	Sanitary Sewer Rehab & Collection System Asset Management Plan	\$ 2,300,000
611	Haddon Heights Borough	S340877-02	Sanitary Sewer System Asset Management Plan	\$ 100,000
611	Haddon Heights Borough	S340877-03	Sanitary Sewer Pump Station Rehabilitation	\$ 953,580
611	Haddon Heights Borough	S340877-04	Sanitary Sewer Rehabilitation (CIPP)	\$ 2,052,912
611	Haddon Heights Borough	S340877-05	Sanitary Sewer Main Replacement	\$ 4,974,434
616	Emerson Borough	S340497-01	Small System Asset Management Plan	\$ 100,000
<b>627</b>	<b>Rochelle Park Township</b>	<b>S340310-02</b>	<b>Sewer Pumping Station</b>	<b>\$ 1,500,000</b>
634	Mount Arlington Borough	S340451-05	Wastewater System Asset Management Plan	\$ 212,785
635	Highlands Borough	S340901-05	Coastal Community Water Quality Restoration	\$ 5,500,000
640	Buena Borough Municipal Utilities Authority	S340518-06	Upgrades to Sanitary Municipal Authority	\$ 1,298,000
642	Bradley Beach Borough	S340472-01	Sewer Main Installation and Repairs - Phase I	\$ 2,700,000
645	Medford Lakes Borough	S340319-03	Collection System Lining Improvements	\$ 11,000,000
647	Mendham Borough	S340159-03	Collection System Improvements	\$ 3,200,000
648	Lambertville Municipal Utilities Authority	S340882-10	Collection system rehabilitation	\$ 700,000
654	Hamburg Borough	S340149-03	Sanitary Sewer System Asset Management Plan	\$ 100,000
655	Long Beach Township	S340023-07	Sewer Main Replacement	\$ 4,600,000
655	Long Beach Township	S340023-08	Asset Management	\$ 120,000
<b>655</b>	<b>Long Beach Township</b>	<b>S340023-09</b>	<b>North Beach Sewer Main Replacement</b>	<b>\$ 6,500,000</b>
667	Borough of Wenonah	S340531-01	Sanitary Sewer Collection System Asset Management and System Improvements	\$ 1,330,000
676	Seaside Park Borough	S340083-04	Phase III A Sanitary Sewer Replacement	\$ 4,000,000
678	Ship Bottom Borough	S340311-05	Sewer Main Replacement Project	\$ 5,000,000

**Key**

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**Green Text** Cost and/or New Project Update

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
683	Fieldsboro Borough	S340522-01	Sewer @ Stormwater Asset Management Plan	\$ 150,000
684	Willingboro Municipal Utilities Authority	S340132-10	Energy Savings Improvement Program	\$ 18,200,000
685	Passaic Valley Sewerage Commission	S340689-45	Sludge Storage Improvements	\$ 10,210,102
685	Passaic Valley Sewerage Commission	S340689-46	Decant Facility Improvements	\$ 96,000,000
687	Passaic Valley Sewerage Commission	S340689-54	5th Thickening Centrifuge Project	\$ 15,523,844
691	Gloucester County Utilities Authority	S340902-17	Sludge Drying System	\$ 10,000,000
697	Hammonton Town	S340927-10	Waste Water Treatment Plant Sludge Drying Replacement (Centrifuge)	\$ 1,000,000
701	Ocean County Utilities Authority	S340372-65	Thickened Sludge Storage and Blend Tank Rehabilitation	\$ 4,200,000
713	Milltown Borough	S340102-05	Flood Mitigation Borough of Milltown Municipal Complex Relocation	\$ 13,726,000
716	Manasquan Borough	S340450-02	Stockton Lake Bulkhead and Stormwater Management	\$ 4,505,800
723	Plumsted Township	S340607-03	Advanced WW treatment & collection system	\$ 34,000,000
724	Woodbine Borough	S340370-02	Sanitary Sewer System Phase 1	\$ 6,542,000
741	Montville Township	S340931-04	Old Lane Sewer Project	\$ 2,800,000
788	Elizabeth City	S340942-21	Lincoln Avenue Drainage Improvements Project	\$ 3,000,000
789	Hackensack City	S340923-15	Stormwater Infrastructure Improvements 2020	\$ 1,600,000
790	Woolwich Township	S340432-01	New Collection System & Treatment	\$ 17,400,000
792	Camden County Municipal Utilities Authority	S340640-26	Newton Creek Dredging and Erosion Control	\$ 28,200,000
817	Lakewood Township Municipal Utilities Authority	S340465-02	Gravity Sewer Line Installation	\$ 4,320,000
829	Marlboro Township	S340268-02	Harbor Rd. Wastewater Pump Station	\$ 964,250
842	Lower Township MUA	S340810-05	Collection System Expansion	\$ 17,100,000
851	Mantua Township MUA	S340514-02	Barnsboro Sewer Extension	\$ 2,250,000
860	Newton Town	S340449-04	Memory Park Drainage Improvements	\$ 538,000
871	Cumberland County	S340438-01	Downe Wastewater Infrastructure	\$ 16,000,000
871	Cumberland County	S340438-03	Downe Township Fortescue Package Plant	\$ 17,000,000
876	Little Egg Harbor Township	S340579-04	Mystic Island Drainage Improvements - Phase 2	\$ 1,714,000

**Key**

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Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
886	Tuckerton Borough	S340034-04	Dredging of Tuckerton Waterways (Clean Water)	\$ 7,750,000
887	West Wildwood Borough	S340626-05	Storm Sewer Improvements to Avenues P, Q, R, S & Mueller Avenue	\$ 1,890,000
888	Cranford Township	S340858-04	Stormwater constr. various locations to improve drainage/prevent flooding	\$ 12,000,000
890	Ridgefield Park Village	S340688-05	Village of Ridgefield Park Skymark Project	\$ 30,211,486
893	Dunellen Borough	S340916-03	Flood Mitigation Project	\$ 2,599,998
894	New Jersey Water Supply Authority	S340421-01	D&R Canal Dredging	\$ 56,800,000
<b>896</b>	<b>Camden County Municipal Utilities Authority</b>	<b>S340640-31</b>	<b>Newton Lake Bank Stabilization</b>	<b>\$ 4,700,000</b>
911	Gloucester Township	S340364-11	Flood Mitigation ( <b>SANDY</b> )	\$ 950,000
911	Gloucester Township	S340364-15	Gloucester Township Stormwater Improvements	\$ 1,450,000
913	Plainfield Municipal Utilities Authority	S340240-06	Transfer Station Improvement	\$ 11,675,000
917	Evesham Municipal Utilities Authority	S340838-06	Elmwood WWTP Storage Building	\$ 2,500,000
944	Berkeley Heights Township	S340385-06	West Side Drainage Project	\$ 25,500,000
958	Brigantine City	S340827-05	Flood Control and Pump Station Improvements ( <b>SANDY</b> )	\$ 4,600,000
958	Brigantine City	S340827-06	Municipal System Improvements	\$ 1,001,066
965	Northfield City	S340508-02	Vactor Truck Purchase	\$ 150,000
968	Spotswood Borough	S340510-01	Roadway, Stormwater Management and Sanitary Sewer System Improvements	\$ 5,427,000
977	Paulsboro Borough	S340164-01	Stormwater Management	\$ 2,750,000
1015	North Hudson Sewer Authority	S340952-36	Equipment Purchases	\$ 900,000
1025	Clinton Town	S340924-07	Town of Clinton System-Wide Customer Meter Replacement	\$ 800,000
1039	Atlantic County Utilities Authority	S342001-03	MSE Berm Construction	\$ 36,042,396
1043	Sussex County Municipal Utilities Authority	S342008-04	SCMUA Leachate Pump Station/Force Main Construction	\$ 8,400,000
1104	Kearny Town	S340259-12	Redev of recreational complex as a modern artificial turf complex	\$ 21,500,000
1106	Jersey City Municipal Utilities Authority	S340928-45	Bayfront Clean Water Sewer	\$ 4,520,000
1107	Jersey City Municipal Utilities Authority	S340928-32	Remote Meter Reading (AMI) (FKA DW)	\$ 12,300,000

**Key**

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Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
1108	Hudson County Improvement Authority	S340094-02	Koppers Peninsula Infrastructure, Hudson County	\$ 51,000,000
1114	Camden City	S340366-16	New Auto Meter Reading Equip for entire City (FKA DW)	\$ 1,800,000
1115	East Orange City	S340843-02	Water System Improvement and Resiliency Project 2017 (FKA DW)	\$ 6,840,000
1119	Atlantic City Municipal Utilities Authority	S340439-04	Water Meter and MTU Replacement	\$ 3,066,667
1120	Asbury Park City	S340883-08	Sewer Plant	\$ 63,000,000
1123	Hardyston Municipal Utility Authority	S340532-01	Water Meter Replacement	\$ 486,000
1124	East Orange City	S340843-03	The Crossings at Brick Church	\$ 12,000,000
1131	Gloucester County Improvement Authority	S342016-04	Cell 15 Construction	\$ 18,500,001
1134	Cumberland County Improvement Authority	S342015-04	Side Slope Restoration and Storm Water Management	\$ 5,919,704
1138	Sussex County Municipal Utilities Authority	S342008-06	Landfill Life Stage 2 Expansion/Infrastructure Relocation Project	\$ 43,000,000
1139	Pollution Control Financing Authority of Warren County	S342026-01	Pollution Control Financing Authority Cell 7 Project	\$ 24,000,000
1142	Salem County Improvement Authority	S342022-02	Cell 10 Construction	\$ 8,500,000
1146	Burlington City	S340140-02	Meter Replacement (FKA DW Meter replacement & Filter rehabilitation)	\$ 2,600,000
1147	Salem City	S340235-03	Salem City Water Meter (FKA DW)	\$ 1,900,000
1149	Willingboro Municipal Utilities Authority	S340132-11	Water Meter Infrastructure Project	\$ 10,000,000
1150	Milltown Borough	S340102-01	Milltown Ford Ave Redevelopment	\$ 21,000,000
1150	Milltown Borough	S340102-04	Ford Avenue Redevelopment	\$ 5,500,000
1152	Lakewood Township Municipal Utilities Authority	S340465-03	Administration Building Addition (FKA DW)	\$ 1,750,000
1154	Bloomfield Township	S340516-01	Water Meter Replacement (FKA DW)	\$ 7,230,970
1156	Orange City	S340859-04	Water Meter Replacement	\$ 5,100,000
1158	South Orange Village	S340103-02	Advanced Metering Infrastructure (AMI) Implementation	\$ 2,670,000
1159	Brick Township Municipal Utilities Authority	S340448-14	Meter Replacement - Phase II	\$ 2,000,000
1163	North Brunswick Township	S340888-02	Water Meter Replacement (FKA DW)	\$ 8,000,000
1167	University Hospital	S340500-03	University Hospital Co Generation Plant	\$ 7,800,000
1169	Manchester Township	S340650-08	Install automated meters (FKA DW)	\$ 3,000,000

**Key**

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**Green Text** Cost and/or New Project Update

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
1170	West Deptford Township	S340947-06	Water Meter Replacement Project (FKA DW)	\$ 3,800,000
1172	Highland Park Borough	S340938-03	Replacement of customer-owned large diameter water meters	\$ 2,400,000
1174	Point Pleasant Beach Borough	S340479-04	Water Meter Replacement Project (FKA DW)	\$ 1,930,000
1175	Allentown Borough	S340567-06	Water Meter Replacement (FKA DW)	\$ 664,938
1176	Ship Bottom Borough	S340311-04	Residential Water Meter Project	\$ 2,750,000
<b>Base and Sandy SFY2022 Clean Water Projects #:</b>		<b>380</b>	<b>Subtotal:</b>	<b>\$ 4,395,122,904</b>
<b>Total Clean Water Projects #:</b>		<b>389</b>	<b>Total Clean Water Projects:</b>	<b>\$ 4,448,572,904</b>

<b>Pinelands Clean Water Projects</b>				
	Project Sponsor	Project Number	Project Description	Estimated Total Project Cost
PL-1	Pemberton	Pinelands	BCI Water System Improvement	\$ 2,929,000
PL-2	Manchester Twp./Jackson MUA	Pinelands	Water & Sewer	\$ 7,192,035
PL-4	Galloway	Pinelands	Pinehurst Sewer Extension	\$ 3,493,440
PL-5	Winslow	Pinelands	Water & Sewer	\$ 1,728,940
<b>Total Pinelands Projects #:</b>		<b>4</b>	<b>Subtotal:</b>	<b>\$ 15,343,415</b>
<b>Total Clean Water and Pinelands Projects #:</b>		<b>393</b>	<b>Total Clean Water and Pinelands Projects:</b>	<b>\$ 4,463,916,319</b>

<b>Key</b>	
<b>Red Text</b> SAIL Program (Disaster Relief Projects)	<b>Green Text</b> Cost and/or New Project Update

## APPENDIX B - Drinking Water

SFY2022

### Interim Drinking Water Environmental Financing Program Project Priority List

Alphabetical Order

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
<b>RESIDUAL LOANS</b>					
Newark City	0714001-016R		28,29	Pequannock Water Treatment Plant Rehab	\$ 3,000,000
North Jersey District WSC	1613001-025R		39	Purchase and Install New Dewatering System	\$ 25,500,000
<b>Residual Loans #:</b>	<b>2</b>			<b>Subtotal:</b>	<b>\$ 28,500,000</b>

<b>BASE LOANS</b>					
Allentown Borough	1302001-004	274	12	Water Treatment Plant Improvements	\$ 2,328,960
Allentown Borough	1302001-002	945	12	Elevated Water Tank Improvements	\$ 549,100
Atlantic City Municipal Utilities Authority	0102001-010	372	2	Asset Management Plan - Professional Consulting Services In Compliance With The New Jersey Water Quality Accountability Act	\$ 150,000
Atlantic City Municipal Utilities Authority	0102001-007	114	2	Water Main Replacement Program	\$ 1,620,000
Bayonne Municipal Utilities Authority	0901001-006	397	31	Aqueduct Replacement	\$ 12,000,000
Belleville Township	0701001-007	1160	29	Township of Belleville Asset Management Plan	\$ 220,000
Belleville Township	0701001-008	34	29	Belleville Lead Service Line Replacement	\$ 3,568,752
Berkeley Township Municipal Utilities Authority	1505004-010	67	9	Berkeley Township MUA Phase VII Water Main Installation	\$ 8,000,000
Berkeley Township Municipal Utilities Authority	1505004-009	268	9	Installation of New Well #4 with WM to Connect to WTP	\$ 2,500,000
Bloomfield Township	0702001-003	21	28	Lead Service Line Replacement	\$ 1,098,395
Bloomfield Township	0702001-004	28	28	Interconnection Project	\$ 2,600,000
Bloomfield Township	0702001-001	377	28	Cleaning and Lining of water mains	\$ 1,700,000

#### Key

**Green Text** Cost and/or New Project Update

**Bold** Updated information

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Borough of Wenonah	0819001-001	1023	5	Water System Asset Management Plan and System Improvements - Water Tank Rehabilitation	\$ 2,000,000
Brick Township Municipal Utilities Authority	1506001-011	55	10,30	Granular Activated Carbon Treatment Addition	\$ 20,890,000
Brick Township Municipal Utilities Authority	1506001-014	136	10,30	Water Main Replacement on Cartagena Drive, Alhama Drive, Cadiz Drive, Valencia Drive and Monterey Drive	\$ 3,600,000
Brick Township Municipal Utilities Authority	1506001-008	281	10,30	Undersized Water Main Replacement Cedar Park East and West	\$ 6,550,000
Brick Township Municipal Utilities Authority	1506001-009	374	10,30	Breton Woods Water Main Replacement - Phase I	\$ 5,928,760
Brick Township Municipal Utilities Authority	1506001-013	396	10,30	Water Main Stream Crossings Replacements at Various locations	\$ 4,188,419
Bridgeton City	0601001-006	97	3	Well 14/15 Rehabilitation	\$ 6,810,000
Brielle Borough	1308001-004	1018	30	Brielle Drinking Water Storage Tank Project	\$ 2,460,000
Brielle Borough	1308001-005	1053	30	Old Bridge Road Elevated Water Storage Tank	\$ 3,600,000
Brigantine City	0103001-501	1015	2	Installation of generators @ well	\$ 2,900,000
Burlington City	0305001-002	24	7	Meter Replacement & Filter Rehabilitation	\$ 3,600,000
Buttonwood Mobile Home Park	0301001-001	40	9	Buttonwood system	\$ 318,000
Camden City	0408001-022	133	5	Install potable wells/flr elevations @ Morris Delair WTP	\$ 1,400,000
Clementon Borough	0411001-001	149	4	Rehab of Gibbsboro Water Main	\$ 500,000
Clementon Borough	0411001-002	387	4	Rehab of well 9 including slip lining to improve conveyance	\$ 1,400,000
Clinton Town	1005001-010	236	23	West Main Street Water Main Replacement Project	\$ 2,640,000
Clinton Town	1005001-011	236	23	Glen Eagles Dr, Muirfield Ln, and Heather Hill Way WM Replacement	\$ 1,265,807

**Key**

**Green Text** Cost and/or New Project Update

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Clinton Town	1005001-006	926	23	Lebanon Borough WM Replacements - Phase II through Phase V	\$ 4,300,000
Clinton Town	1005001-012	926	23	WQAA Implementation - Water Infrastructure Audit and Upgrades	\$ 3,500,000
Clinton Town	1005001-013	1012	23	Foster Wheeler Booster Pump Station Modifications - Asset Management Planning	\$ 3,000,000
Clinton Town	1005001-007	1151	23	Replace Water Meters	\$ 4,277,804
Deptford Township Municipal Utilities Authority	0802001-002	404	5	Water Main Replacement at East Woodbury	\$ 1,550,000
Deptford Township Municipal Utilities Authority	0802001-003	404	5	Water Main Replacement at Country Club Estates	\$ 1,200,000
East Greenwich	0803001-004	90	3	Installation of Filtration System at Well #3	\$ 2,600,000
East Orange City	0705001-014	56	34	Water System Improvement and Resiliency Project 2017	\$ 33,000,000
East Windsor Municipal Utilities Authority	1101002-005	917	14	Twin Rivers (H section) Water Main Replacement Project	\$ 2,000,000
Evesham Municipal Utilities Authority	0313001-001	345	8	Wells 13 Treatment Improvements	\$ 2,600,000
Farmingdale Borough	1314001-002	951	30	Painting and repairs to water tower and other misc system improvements	\$ 907,000
Flemington Borough	1009001-009	388	16	Water Tank Construction and Various Improvements	\$ 4,500,000
Freehold Borough	1315001-002	164	11	Water Plant Development	\$ 6,440,000
Freehold Borough	1315001-003	986	11	Replacement of Well No. 3	\$ 2,152,400
Glassboro Borough	0806001-001	407	3	2.0 mg elevated tower repainting	\$ 3,250,000
Glen Ridge Borough	0708001-008	241	28	Replace Lead Service Line/ Hydrants & Water System AMP	\$ 2,573,210
<b>Hackettstown Municipal Utilities Authority</b>	<b>2108001-001</b>	<b>227</b>	<b>23</b>	<b>Construction of New Water Storage Tank w/ related water distribution lines</b>	<b>\$ 4,500,000</b>
Hamburg Borough	1909001-002	174	24	Water Storage Tank Rehabilitation	\$ 1,100,000
Hamburg Borough	1909001-001	1163	24	Small System Asset Management	\$ 85,000

**Key**

**Green Text** Cost and/or New Project Update

**Bold** Updated information

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
<b>Hamilton Township Municipal Utilities Authority</b>	<b>0112001-004</b>	<b>264</b>	<b>2</b>	<b>Well #8 Rehabilitation</b>	<b>\$ 1,400,000</b>
Hampton Borough	1013001-001	1077	23	New back up well 5 to address firm capacity requirements	\$ 1,800,000
Hardyston Municipal Utility Authority	1911006-001	1100	24	Water Meter Replacement	\$ 477,400
Hardyston Municipal Utility Authority	1911006-003	1203	24	Asset Management Plan	\$ 100,000
Harvey Cedars Borough	1509001-002	1174	9	Installation of a Water Monitoring Well	\$ 1,100,000
High Bridge Borough	1014001-003	243	23	West Main Street Water Main Upgrades	\$ 462,000
High Bridge Borough	1014001-004	989	23	High Bridge Water System: Bunnvale Well and West Main Street Water Main Upgrades	\$ 1,477,872
Highbridge Borough	1014001-002	1099	23	Improvements to water system	\$ 1,076,758
Highbridge Borough	1014001-001	1199	23	Asset Management Plan for the High Bridge Water System	\$ 100,000
Highland Park Borough	1207001-001	1095	18	2018-19 Water System Improvements	\$ 3,320,000
Hightstown Borough	1104001-009	179	14	Water Tank Painting & Repairs	\$ 950,000
Hightstown Borough	1104001-010	334	14	Water Main Improvements	\$ 1,775,678
Hoboken City	0905001-002	222	33	Water Main Upgrades	\$ 8,000,000
Hoboken City	0905001-001	282	33	Washington St. Water Main / Green Infrastructure Drainage Improv.	\$ 8,500,000
Hoboken City	0905001-003	398	33	Water Main upgrades Phase II	\$ 5,200,000
Ho-Ho-Kus Borough	0228001-001	1020	40	Water Tank Upgrade	\$ 928,000
Ho-Ho-Kus Borough	0228001-002	54	40	Ho-Ho-Kus Water Treatment System	\$ 2,110,000
Hopatcong Borough	1912001-001	147	24	Hudson Avenue Water Main Installation	\$ 1,000,000
Hopatcong Borough	1912001-004	1162	24	Small System Asset Management	\$ 100,000
Hopatcong Borough	1912001-005	1098	24	Hopatcong Borough Water Meter Replacement Project	\$ 778,000
Hopewell Township	1106001-001	421	15	Water System Improvements	\$ 1,285,000
Jackson Township Municipal Utilities Authority	1511001-013	262	12	Six Flags Great Adventure Water Treatment Plant Replacement	\$ 20,000,000

**Key**

**Green Text** Cost and/or New Project Update

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Jackson Township Municipal Utilities Authority	1511001-012	980	12	Western Water Main Extension	\$ 11,000,000
Jersey City Municipal Utilities Authority	0906001-017	93	31,33	Boonton Plant Centrifuge	\$ 1,740,240
Jersey City Municipal Utilities Authority	0906001-027	103	31,33	Phase 6B Water Main Rehabilitation Project	\$ 8,500,000
Jersey City Municipal Utilities Authority	0906001-029	104	31,33	Phase 6A Water Rehabilitation	\$ 19,000,000
Jersey City Municipal Utilities Authority	0906001-019	117	31,33	Route 139 Water Main Replacement Project	\$ 6,700,000
Jersey City Municipal Utilities Authority	0906001-016	183	31,33	Large Valve Replacement Program- Phase 2	\$ 7,321,200
Jersey City Municipal Utilities Authority	0906001-012	184	31,33	Water Main Replacement	\$ 18,000,000
Jersey City Municipal Utilities Authority	0906001-025	184	31,33	Phase 1 & 2 Water Main Replacement Project	\$ 32,000,000
Jersey City Municipal Utilities Authority	0906001-026	184	31,33	5-B Water Project	\$ 7,320,000
Jersey City Municipal Utilities Authority	0906001-009	196	31,33	Burma Road Area Water System Improvements	\$ 5,000,000
Jersey City Municipal Utilities Authority	0906001-018	199	31,33	Tonnele Avenue Water Main Replacement and Relining	\$ 7,442,800
Jersey City Municipal Utilities Authority	0906001-006	200	31,33	Transmission Main Install	\$ 19,000,000
Jersey City Municipal Utilities Authority	0906001-022	256	31,33	Hackensack River 36" Aqueduct replacement	\$ 30,211,486
Jersey City Municipal Utilities Authority	0906001-023	256	31,33	Phase 5A Water Project	\$ 9,300,000
Jersey City Municipal Utilities Authority	0906001-024	256	31,33	Phase 2A Water	\$ 11,640,000
Jersey City Municipal Utilities Authority	0906001-020	259	31,33	Phase 3 and 4 Water Main Replacement Project	\$ 6,620,000
Jersey City Municipal Utilities Authority	0906001-021	259	31,33	Phase 5 Water Mains	\$ 11,000,000
Jersey City Municipal Utilities Authority	0906001-015	278	31,33	Van Winkle Ave. Water Main Replacement	\$ 3,589,266
Jersey City Municipal Utilities Authority	0906001-028	294	31,33	Dam Security Improvements	\$ 1,700,000
Jersey City Municipal Utilities Authority	0906001-030	196	31,33	Phase 7a Water Improvements	\$ 29,985,841

Key	
<b>Green Text</b>	Cost and/or New Project Update
<b>Bold</b>	Updated information

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
<b>Jersey City Municipal Utilities Authority</b>	<b>0906001-032</b>	<b>184</b>	<b>31,33</b>	<b>Van Horne Street Water Improvements</b>	<b>\$ 4,200,000</b>
Lakehurst Borough	1513001-002	416	10	Water Main Replacement Project Phase I	\$ 1,200,000
Little Egg Harbor Municipal Utilities Authority	1516001-005	120	9	Little Egg Harbor Water Improvements Phases I	\$ 1,450,000
Little Egg Harbor Municipal Utilities Authority	1516001-003	1119	9	Water Treatment Plant at Mathistown Road	\$ 5,525,000
Little Egg Harbor Municipal Utilities Authority	1516001-006	918	9	Water Storage Tank Painting and Upgrades	\$ 2,659,837
Long Beach Township	1517001-015	933	9	Water Main Replacement Project	\$ 4,159,201
Lower Township Municipal Utilities Authority	0505002-004	121	1	Del Haven Water Main Expansion / Wildwood Water Utility Interconnect	\$ 10,260,000
Manchester Township	1518005-002	144	10	Repaint and repair one MG elevated storage facility	\$ 5,500,000
Manchester Township	1518005-004	207	10	Manchester Township 1.0 mg Elevated Tank	\$ 6,135,130
Manchester Utilities Authority	1603001-001	238	35,40	Heights Tank Rehabilitation	\$ 500,000
Manchester Utilities Authority	1603001-003	987	35,40	High Service Pump Station Replacement	\$ 2,000,000
Mantua Township MUA	0810004-004	925	5	Centre City Water/Sewer Infrastructure Improvements	\$ 4,750,000
Marlboro Township	1328002-003	1002	13	Beacon Hill storage tank Rehab	\$ 1,714,000
Marlboro Township	1328002-004	1167	13	New Stand-by Well 5A	\$ 1,385,000
Merchantville Pennsauken Water Commission	0424001-002	30	6	Woodbine PFNA plant	\$ 5,646,000
Middlesex Water Company	1225001-028	218	19	RENEW 2018 - Woodbridge Twp.	\$ 11,200,000
Middlesex Water Company	1225001-027	305	19	RENEW 2019 - Carteret	\$ 11,200,000
Middlesex Water Company	1225001-025	341	18,19	Western Transmission Main	\$ 57,000,000
Milltown Borough	1212001-002	385	17	Ford Ave Redevelopment	\$ 1,606,000

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<b>Green Text</b>	Cost and/or New Project Update
<b>Bold</b>	Updated information

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Milltown Borough	1212001-005	941	17	Water Storage Tank Rehabilitation	\$ 1,800,000
Monroe Municipal Utilities Authority	0811002-001	399	4	Tank Painting	\$ 2,300,000
Moorestown Township	0322001-001	47	7	North Church Street Water Treatment Plant Upgrade	\$ 24,625,000
Moorestown Township	0322001-002	350	7	Hartford Road Water Treatment Plant Upgrade	\$ 15,240,000
Mount Arlington Borough	1426005-001	1044	25	Mount Arlington Asset Management Plan	\$ 250,285
Mount Arlington Borough	1426005-002	1164	25	Windemere, Altenbrand, North Glen and Park Water Main Extension	\$ 1,202,100
Mount Arlington Borough	1426005-003	182	25	Altenbrand, Windemere, McGregor and Lee Water Main Extension	\$ 2,020,000
National Park Borough	0812001-004	1136	3	Replacement of Wells 5 & 6	\$ 1,700,000
National Park Borough	0812001-005	37	3	Addition of PFOS Treatment at Existing Water Plant	\$ 1,526,500
New Brunswick City	1214001-005	13	17	Water Treatment Plant Improvements	\$ 15,500,000
Newark City	0714001-020	5	28,29	Phase-2 Lead Service Line Replacement (LSLR) Project	\$ 17,500,000
Newark City	0714001-019	7	28,29	Phase-1 Lead Service Line Replacement (LSLR)	\$ 12,500,000
Newark City	0714001-021	10	28,29	Phase -3 Lead Service Line Replacement (LSLR) Project	\$ 145,000,000
Newark City	0714001-017	58	28,29	Water Distribution System Upgrades	\$ 2,000,000
Newark City	0714001-018	113	28,29	Replacement of Water Distribution Mains	\$ 5,150,000
Newark City	0714001-008	59	28,29	Cleaning and lining of water mains, upgrading 4 inch mains to 6 & 8 inch mains, replace old fire hydrants	\$ 34,196,000
Newark City	0714001-011	91	28,29	Rehabilitation of the bascule gate at the Charlotteburgh Reservoir with alarm and control systems	\$ 3,140,000
<b>Newark City</b>	<b>0714001-022</b>	<b>17</b>	<b>28,29</b>	<b>Process and operational upgrades at the Pequannock water treatment plant</b>	<b>\$ 23,000,000</b>

**Key**

**Green Text** Cost and/or New Project Update

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
NJ American Water Company	1345001-021	131	6,11	Swimming River WTP 2nd Clearwell	\$ 26,345,000
NJ American Water Company, Incorporated	0712001-016	203	28	NJ American Water Lead Service Line Replacement Program PWSID 0712001	\$ 6,576,000
NJ American Water Company, Incorporated	1345001-017	22	30	Oak Street Treatment Plant Improvements	\$ 10,100,000
NJ American Water Company, Incorporated	2004002-013	971	12,14,15,16,17,18,19,20,21,22,23 & 25	RM WTP Emergency Generator	\$ 16,000,000
NJ American Water Company, Incorporated	2004002-012	100	20,21 & 22	NJ American Water Lead Service Line Replacement Program PWSID 2004002	<b>\$ 20,000,000</b>
<b>North Brunswick Township</b>	<b>1215001-007</b>	<b>930</b>	<b>17</b>	<b>Water Main Replacement</b>	<b>\$ 7,000,000</b>
North Jersey Dist. Water Supply Comm.	1613001-032	77	28,29,31,32,34,36 & 40	Rehabilitation of Treatment Facility	\$ 3,600,000
North Jersey Dist. Water Supply Comm.	1613001-026	123	28,29,31,32,34,36 & 40	Low Lift Gas Pump	\$ 12,900,000
North Jersey Dist. Water Supply Comm.	1613001-031	123	28,29,31,32,34,36 & 40	Purchase and Install New Dewatering System	\$ 3,800,000
North Jersey Dist. Water Supply Comm.	1613001-034	276	28,29,31,32,34,36 & 40	Security, IT and Safety Projects	\$ 1,600,000
North Shore Water Association	1904004-001	19	24	Existing Well Requires Replacement	\$ 500,000
Oak Ridge Senior Housing Community	1414008-001	339	40	Water Line Upgrades	\$ 530,300
Oakland Borough	0220001-004	1010	39	Rehab of Iroquois Pumping Station	\$ 3,133,000
Oakland Borough	0220001-003	1067	39	Diesel generator for well 9	\$ 3,133,000
Oakland Borough	0220001-002	1150	39	Replace 4600 water meters	\$ 3,133,000
Oakland Borough	0220001-001	1170	39	Construct new well 10A as backup for well 10	\$ 3,133,000
Ocean Gate Borough	1521001-003	1137	9	Well Water Construction/ Drilling a new well	\$ 720,000
Old Bridge Municipal Utilities Authority	1209002-014	46	12	Perrine Road Carbon Absorber Facility	\$ 1,750,000
Old Bridge Municipal Utilities Authority	1209002-005	220	12	Laurence Harbor Water System Upgrade, Phase 1	\$ 2,500,000

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Orange City	0717001-014	35	34	Orange Twp   Relocation of the existing transmission main under the Glen Avenue Bridge for the stabilization of the pipe	\$ 2,000,000
Orange City	0717001-006	394	34	Asset Management plan	\$ 7,200,000
Orange City	0717001-011	14	34	PFAS in Well 8 Drinking Water System	\$ 1,550,000
Orange City	0717001-012	251	34	Interconnection and Distribution Project	\$ 1,440,240
Orange City	0717001-013	14	34	Well 5 Rehabilitation Project	\$ 700,000
Orange City	0717001-015	14	34	PFAS in Well 7 Drinking Water System	\$ 1,440,000
Orange City	0717001-016	394	34	Water System Hydraulic Model, GIS, AMP	\$ 936,600
Passaic Valley Water Commission	0239001-002	242	36	Lead Service Line Replacement in North Arlington System	\$ 10,500,000
Passaic Valley Water Commission	0231001-002	137	38	Lead Service Line Replacement in Lodi System	\$ 7,400,000
Passaic Valley Water Commission	1605002-014	4	26,34,35,38, 39 & 40	Phase I - Levine Reservoir Water Storage Improvements	\$ 26,100,000
Passaic Valley Water Commission	1605002-002	11	26,34,35,38, 39 & 40	Lead Service Line Replacement in Main System	\$ 26,500,000
Passaic Valley Water Commission	1605002-026	11	26,34,35,38, 39 & 40	PVWC Lead Service Line Replacement	\$ 1,978,000
Paulsboro Borough	0814001-003	148	3	Water Main Replacement	\$ 2,800,000
Pennington Borough	1108001-004	1200	15	Asset Management Plan for Pennington Water Utility	\$ 360,000
Perth Amboy City	1216001-005	431	19	The Installation Of A New Standby Generator At The Runyon Water Treatment Plant	\$ 1,100,000
Perth Amboy City	1216001-500	431	19	Install New Stand-by Generator for Runyon Water Treat. Plant	\$ 2,750,000
Perth Amboy City	1216001-010	191	19	The Painting of the Backwash Tank and Stand Pipe Project	\$ 1,651,532
Point Pleasant Borough	1524001-002	351	30	Water Treatment Plant Filter Replacement	\$ 2,112,000
<b>Point Pleasant Borough</b>	<b>1525001-002</b>	<b>240</b>	<b>30</b>	<b>Ocean Avenue Water Main Replacement</b>	<b>\$ 2,800,000</b>
Red Bank Borough	1340001-003	310	11	White Street Water Main	\$ 562,350

**Key**

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Ridgefield Park Village	0238001-002	1194	36	Village of Ridgefield Park Skymark Project	\$ 1,752,308
Roosevelt Borough	1341001-007	955	12	Homestead, Cedar and Elm Water Mains Project	\$ 600,000
Salem City	1712001-004	165	3	Salem City Water Meter	\$ 1,900,000
Sea Girt Borough	1344001-005	1202	30	Sea Girt Borough CMMS	\$ 100,000
Seaside Park Borough	1527001-004	122	9	Well #10 Treatment Facility	\$ 1,500,000
Seaside Park Borough	1527001-003	430	9	Water Asset Management Plan	\$ 70,200
Ship Bottom Borough	1528001-003	265	9	Water Treatment Plant Reconstruction	\$ 10,000,000
Ship Bottom Borough	1528001-004	414	9	Water Main Replacement Project	\$ 4,100,000
South Orange Village	0719001-012	266	27	South Orange Newstead Watersphere Emergency Repairs	\$ 640,000
South Orange Village	0719001-009	440	27	Scotland Road Water Mains	\$ 4,100,000
South Orange Village	0719001-006	982	27	Repair or Replace Newstead Sphere	\$ 1,950,000
South Orange Village	0719001-004	1112	27	Farrell Field (Walton Ave & Audley St.) Interconnection Rehab.	\$ 150,000
South Orange Village	0719001-001	1157	27	Well 17 Rehabilitation	\$ 250,000
South Orange Village	0719001-002	1049	27	Well 17 Emergency Power	\$ 85,000
South Orange Village	0719001-005	982	27	Crest Drive Standpipe	\$ 3,140,000
South Orange Village	0719001-007	1112	27	Replace Pressure Reducing Valves	\$ 272,000
South Orange Village	0719001-008	308	27	Well 17 Air Stripper	\$ 425,000
South River Borough	1223001-003	1129	18	Rehabilitation of Borough Wells	\$ 1,300,000
Spotswood Borough	1224001-001	239	14	Cleaning and lining of approximately 3,600 LF of water mains	\$ 3,443,914
Spotswood Borough	1224001-002	1195	14	Water Master Pan	\$ 85,265
Sussex Borough	1921001-007	151	24	Sussex Borough Main Street Water Main Replacement Project	\$ 595,772
Trenton City	1111001-011	6	15	Lead Service Line Replacement	\$ 20,340,000
Trenton City	1111001-005	26	15	5-year Lead Service Line Replacement & Verification Project	\$ 239,000,000

**Key**

**Green Text** Cost and/or New Project Update

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Tuckerton Borough	1532002-007	254	9	Water Main Replacement and Well #3 & #4 Rehabilitation/ Repairs	\$ 1,700,000
Upper Deerfield Township	0613004-002	102	3	Seabrook Water Tower Replacement (Upper Deerfield)	\$ 2,000,000
Vineland City	0614003-017	247	1	2016 Water Distribution Rehabilitation Project	\$ 3,100,000
Vineland City	0614003-016	1062	1	Well No. 17 Treatment Facility	\$ 9,000,000
Waldwick Borough	0264001-003	53	40	Water Treatment Systems	\$ 3,550,000
Wall Township	1352003-001	225	30	Route 138 Water Main Improvements	\$ 1,800,000
Wall Township	1352003-002	225	30	Route 34 Water Main Improvements	\$ 3,700,000
Wallington Borough	0265001-002	411	36	Wallington Avenue Water Main	\$ 2,600,000
West Deptford Township	0820001-004	919	3	Jessup Road Water Storage Tank Repair and Repainting	\$ 3,300,000
Wildwood City	0514001-006	118	1	2019 Capital Improvements (Drinking Water)	\$ 6,183,204
Wildwood City	0514001-004	143	1	Wildwood Boardwalk water main replacement	\$ 2,494,096
Wildwood City	0514001-005	376	1	Well #39 Redevelopment	\$ 378,000
Willingboro Municipal Utilities Authority	0338001-011	192	7,8	Well #6 Water Treatment Plant Upgrade	\$ 10,621,600
Winslow Township	0436007-010	1036	4	Well #2 Filter Plant Upgrade	\$ 3,100,000
Woodbine Borough	0516001-001	108	1	WTP Upgrade and water main extension	\$ 5,000,000
Woodland Heights Homeowners Association	1615022-001	969	8	Well Rehabilitation and System Improvements	\$ 560,000
<b>Base SFY2022 Drinking Water Projects #:</b>	<b>205</b>			<b>Subtotal:</b>	<b>\$ 1,528,893,582</b>
<b>Total Drinking Water Projects #:</b>	<b>207</b>			<b>Total Drinking Water Projects:</b>	<b>\$ 1,557,393,582</b>
<b>TOTAL NUMBER OF PROJECTS (CW, DW, Supplemental, Residual and Pinelands) #:</b>	<b>600</b>			<b>TOTAL PROJECT COSTS (CW, DW, Supplemental, Residual and Pinelands):</b>	<b>\$ 6,021,309,901</b>

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<b>Green Text</b>	Cost and/or New Project Update
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## APPENDIX B - Drinking Water

**SFY2022**

### Interim Drinking Water Environmental Financing Program Project Priority List

Rank Order

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
<b>RESIDUAL LOANS</b>				
N/A	Newark City	0714001-016R	Pequannock Water Treatment Plant Rehab	\$ 3,000,000
N/A	North Jersey District WSC	1613001-025R	Purchase and Install New Dewatering System	\$ 25,500,000
<b>Residual Loans:</b>		<b>2</b>	<b>Subtotal:</b>	<b>\$ 28,500,000</b>

<b>BASE LOANS</b>				
4	Passaic Valley Water Commission	1605002-014	Phase I - Levine Reservoir Water Storage Improvements	\$ 26,100,000
5	Newark City	0714001-020	Phase-2 Lead Service Line Replacement (LSLR) Project	\$ 17,500,000
6	Trenton City	1111001-011	Lead Service Line Replacement	\$ 20,340,000
7	Newark City	0714001-019	Phase-1 Lead Service Line Replacement (LSLR)	\$ 12,500,000
10	Newark City	0714001-021	Phase -3 Lead Service Line Replacement (LSLR) Project	\$ 145,000,000
11	Passaic Valley Water Commission	1605002-002	Lead Service Line Replacement in Main System	\$ 26,500,000
11	Passaic Valley Water Commission	1605002-026	PVWC Lead Service Line Replacement	\$ 1,978,000
13	New Brunswick City	1214001-005	Water Treatment Plant Improvements	\$ 15,500,000
14	Orange City	0717001-011	PFAS in Well 8 Drinking Water System	\$ 1,550,000
14	Orange City	0717001-013	Well 5 Rehabilitation Project	\$ 700,000
14	Orange City	0717001-015	PFAS in Well 7 Drinking Water System	\$ 1,440,000
<b>17</b>	<b>Newark City</b>	<b>0714001-022</b>	<b>Process and operational upgrades at the Pequannock water treatment plant</b>	<b>\$ 23,000,000</b>
19	North Shore Water Association	1904004-001	Existing Well Requires Replacement	\$ 500,000
21	Bloomfield Township	0702001-003	Lead Service Line Replacement	\$ 1,098,395
22	NJ American Water Company, Incorporated	1345001-017	Oak Street Treatment Plant Improvements	\$ 10,100,000
24	Burlington City	0305001-002	Meter Replacement & Filter Rehabilitation	\$ 3,600,000
26	Trenton City	1111001-005	5-year Lead Service Line Replacement & Verification Project	\$ 239,000,000

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Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
28	Bloomfield Township	0702001-004	Interconnection Project	\$ 2,600,000
30	Merchantville Pennsauken Water Commission	0424001-002	Woodbine PFNA plant	\$ 5,646,000
34	Belleville Township	0701001-008	Belleville Lead Service Line Replacement	\$ 3,568,752
35	Orange City	0717001-014	Orange Twp   Relocation of the existing transmission main under the Glen Avenue Bridge for the stabilization of the pipe	\$ 2,000,000
37	National Park Borough	0812001-005	Addition of PFOS Treatment at Existing Water Plant	\$ 1,526,500
40	Buttonwood Mobile Home Park	0301001-001	Buttonwood system	\$ 318,000
46	Old Bridge Municipal Utilities Authority	1209002-014	Perrine Road Carbon Absorber Facility	\$ 1,750,000
47	Moorestown Township	0322001-001	North Church Street Water Treatment Plant Upgrade	\$ 24,625,000
53	Waldwick Borough	0264001-003	Water Treatment Systems	\$ 3,550,000
54	Ho-Ho-Kus Borough	0228001-002	Ho-Ho-Kus Water Treatment System	\$ 2,110,000
55	Brick Township Municipal Utilities Authority	1506001-011	Granular Activated Carbon Treatment Addition	\$ 20,890,000
56	East Orange City	0705001-014	Water System Improvement and Resiliency Project 2017	\$ 33,000,000
58	Newark City	0714001-017	Water Distribution System Upgrades	\$ 2,000,000
59	Newark City	0714001-008	Cleaning and lining of water mains, upgrading 4 inch mains to 6 & 8 inch mains, replace old fire hydrants	\$ 34,196,000
67	Berkeley Township Municipal Utilities Authority	1505004-010	Berkeley Township MUA Phase VII Water Main Installation	\$ 8,000,000
77	North Jersey Dist. Water Supply Comm.	1613001-032	Rehabilitation of Treatment Facility	\$ 3,600,000
90	East Greenwich	0803001-004	Installation of Filtration System at Well #3	\$ 2,600,000
91	Newark City	0714001-011	Rehabilitation of the basculate gate at the Charlotteburgh Reservoir with alarm and control systems	\$ 3,140,000
93	Jersey City Municipal Utilities Authority	0906001-017	Boonton Plant Centrifuge	\$ 1,740,240
97	Bridgeton City	0601001-006	Well 14/15 Rehabilitation	\$ 6,810,000
100	NJ American Water Company, Incorporated	2004002-012	NJ American Water Lead Service Line Replacement Program PWSID 2004002	<b>\$ 20,000,000</b>
102	Upper Deerfield Township	0613004-002	Seabrook Water Tower Replacement (Upper Deerfield)	\$ 2,000,000

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**Green Text** Cost and/or New Project Update

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Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
103	Jersey City Municipal Utilities Authority	0906001-027	Phase 6B Water Main Rehabilitation Project	\$ 8,500,000
104	Jersey City Municipal Utilities Authority	0906001-029	Phase 6A Water Rehabilitation	\$ 19,000,000
108	Woodbine Borough	0516001-001	WTP Upgrade and water main extension	\$ 5,000,000
113	Newark City	0714001-018	Replacement of Water Distribution Mains	\$ 5,150,000
114	Atlantic City Municipal Utilities Authority	0102001-007	Water Main Replacement Program	\$ 1,620,000
117	Jersey City Municipal Utilities Authority	0906001-019	Route 139 Water Main Replacement Project	\$ 6,700,000
118	Wildwood City	0514001-006	2019 Capital Improvements (Drinking Water)	\$ 6,183,204
120	Little Egg Harbor Municipal Utilities Authority	1516001-005	Little Egg Harbor Water Improvements Phases I	\$ 1,450,000
121	Lower Township Municipal Utilities Authority	0505002-004	Del Haven Water Main Expansion / Wildwood Water Utility Interconnect	\$ 10,260,000
122	Seaside Park Borough	1527001-004	Well #10 Treatment Facility	\$ 1,500,000
123	North Jersey Dist. Water Supply Comm.	1613001-026	Low Lift Gas Pump	\$ 12,900,000
123	North Jersey Dist. Water Supply Comm.	1613001-031	Purchase and Install New Dewatering System	\$ 3,800,000
131	NJ American Water Company	1345001-021	Swimming River WTP 2nd Clearwell	\$ 26,345,000
133	Camden City	0408001-022	Install potable wells/flr elevations @ Morris Delair WTP	\$ 1,400,000
136	Brick Township Municipal Utilities Authority	1506001-014	Water Main Replacement on Cartagena Drive, Alhama Drive, Cadiz Drive, Valencia Drive and Monterey Drive	\$ 3,600,000
137	Passaic Valley Water Commission	0231001-002	Lead Service Line Replacement in Lodi System	\$ 7,400,000
143	Wildwood City	0514001-004	Wildwood Boardwalk water main replacement	\$ 2,494,096
144	Manchester Township	1518005-002	Repaint and repair one MG elevated storage facility	\$ 5,500,000
147	Hopatcong Borough	1912001-001	Hudson Avenue Water Main Installation	\$ 1,000,000
148	Paulsboro Borough	0814001-003	Water Main Replacement	\$ 2,800,000
149	Clementon Borough	0411001-001	Rehab of Gibbsboro Water Main	\$ 500,000
151	Sussex Borough	1921001-007	Sussex Borough Main Street Water Main Replacement Project	\$ 595,772
164	Freehold Borough	1315001-002	Water Plant Development	\$ 6,440,000
165	Salem City	1712001-004	Salem City Water Meter	\$ 1,900,000

**Key**

<b>Green Text</b> Cost and/or New Project Update	<b>Bold</b> Updated information
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Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
174	Hamburg Borough	1909001-002	Water Storage Tank Rehabilitation	\$ 1,100,000
179	Hightstown Borough	1104001-009	Water Tank Painting & Repairs	\$ 950,000
182	Mount Arlington Borough	1426005-003	Altenbrand, Windemere, McGregor and Lee Water Main Extension	\$ 2,020,000
183	Jersey City Municipal Utilities Authority	0906001-016	Large Valve Replacement Program- Phase 2	\$ 7,321,200
184	Jersey City Municipal Utilities Authority	0906001-012	Water Main Replacement	\$ 18,000,000
184	Jersey City Municipal Utilities Authority	0906001-025	Phase 1 & 2 Water Main Replacement Project	\$ 32,000,000
184	Jersey City Municipal Utilities Authority	0906001-026	5-B Water Project	\$ 7,320,000
<b>184</b>	<b>Jersey City Municipal Utilities Authority</b>	<b>0906001-032</b>	<b>Van Horne Street Water Improvements</b>	<b>\$ 4,200,000</b>
191	Perth Amboy City	1216001-010	The Painting of the Backwash Tank and Stand Pipe Project	\$ 1,651,532
192	Willingboro Municipal Utilities Authority	0338001-011	Well No. 6 Water Treatment Plant Upgrade	\$ 10,621,600
196	Jersey City Municipal Utilities Authority	0906001-009	Burma Road Area Water System Improvements	\$ 5,000,000
196	Jersey City Municipal Utilities Authority	0906001-030	Phase 7a Water Improvements	\$ 29,985,841
199	Jersey City Municipal Utilities Authority	0906001-018	Tonnele Avenue Water Main Replacement and Relining	\$ 7,442,800
200	Jersey City Municipal Utilities Authority	0906001-006	Transmission Main Install	\$ 19,000,000
203	NJ American Water Company, Incorporated	0712001-016	NJ American Water Lead Service Line Replacement Program PWSID 0712001	\$ 6,576,000
207	Manchester Township	1518005-004	Manchester Township 1.0 mg Elevated Tank	\$ 6,135,130
218	Middlesex Water Company	1225001-028	RENEW 2018 - Woodbridge Twp.	\$ 11,200,000
220	Old Bridge Municipal Utilities Authority	1209002-005	Laurence Harbor Water System Upgrade, Phase 1	\$ 2,500,000
222	Hoboken City	0905001-002	Water Main Upgrades	\$ 8,000,000
225	Wall Township	1352003-001	Route 138 Water Main Improvements	\$ 1,800,000
225	Wall Township	1352003-002	Route 34 Water Main Improvements	\$ 3,700,000
<b>227</b>	<b>Hackettstown Municipal Utilities Authority</b>	<b>2108001-001</b>	<b>Construction of New Water Storage Tank w/ related water distribution lines</b>	<b>\$ 4,500,000</b>
236	Clinton Town	1005001-010	West Main Street Water Main Replacement Project	\$ 2,640,000

**Key**

**Green Text** Cost and/or New Project Update      **Bold** Updated information

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
236	Clinton Town	1005001-011	Glen Eagles Dr, Muirfield Ln, and Heather Hill Way WM Replacement	\$ 1,265,807
238	Manchester Utilities Authority	1603001-001	Heights Tank Rehabilitation	\$ 500,000
239	Spotswood Borough	1224001-001	Cleaning and lining of approximately 3,600 LF of water mains	\$ 3,443,914
<b>240</b>	<b>Point Pleasant Borough</b>	<b>1525001-002</b>	<b>Ocean Avenue Water Main Replacement</b>	<b>\$ 2,800,000</b>
241	Glen Ridge Borough	0708001-008	Replace Lead Service Line/ Hydrants & Water System AMP	\$ 2,573,210
242	Passaic Valley Water Commission	0239001-002	Lead Service Line Replacement in North Arlington System	\$ 10,500,000
243	High Bridge Borough	1014001-003	West Main Street Water Main Upgrades	\$ 462,000
247	Vineland City	0614003-017	2016 Water Distribution Rehabilitation Project	\$ 3,100,000
251	Orange City	0717001-012	Interconnection and Distribution Project	\$ 1,440,240
254	Tuckerton Borough	1532002-007	Water Main Replacement and Well #3 & #4 Rehabilitation/Repairs	\$ 1,700,000
256	Jersey City Municipal Utilities Authority	0906001-022	Hackensack River 36" Aqueduct replacement	\$ 30,211,486
256	Jersey City Municipal Utilities Authority	0906001-023	Phase 5A Water Project	\$ 9,300,000
256	Jersey City Municipal Utilities Authority	0906001-024	Phase 2A Water	\$ 11,640,000
259	Jersey City Municipal Utilities Authority	0906001-020	Phase 3 and 4 Water Main Replacement Project	\$ 6,620,000
259	Jersey City Municipal Utilities Authority	0906001-021	Phase 5 Water Mains	\$ 11,000,000
262	Jackson Township Municipal Utilities Authority	1511001-013	Six Flags Great Adventure Water Treatment Plant Replacement	\$ 20,000,000
<b>264</b>	<b>Hamilton Township Municipal Utilities Authority</b>	<b>0112001-004</b>	<b>Well #8 Rehabilitation</b>	<b>\$ 1,400,000</b>
265	Ship Bottom Borough	1528001-003	Water Treatment Plant Reconstruction	\$ 10,000,000
266	South Orange Village	0719001-012	South Orange Newstead Watersphere Emergency Repairs	\$ 640,000
268	Berkeley Township Municipal Utilities Authority	1505004-009	Installation of New Well #4 with WM to Connect to WTP	\$ 2,500,000
274	Allentown Borough	1302001-004	Water Treatment Plant Improvements	\$ 2,328,960
276	North Jersey Dist. Water Supply Comm.	1613001-034	Security, IT and Safety Projects	\$ 1,600,000

**Key**

**Green Text** Cost and/or New Project Update

**Bold** Updated information

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
278	Jersey City Municipal Utilities Authority	0906001-015	Van Winkle Ave. Water Main Replacement	\$ 3,589,266
281	Brick Township Municipal Utilities Authority	1506001-008	Undersized Water Main Replacement Cedar Park East and West	\$ 6,550,000
282	Hoboken City	0905001-001	Washington St. Water Main / Green Infrastructure Drainage Improv.	\$ 8,500,000
294	Jersey City Municipal Utilities Authority	0906001-028	Dam Security Improvements	\$ 1,700,000
305	Middlesex Water Company	1225001-027	RENEW 2019 - Carteret	\$ 11,200,000
308	South Orange Village	0719001-008	Well 17 Air Stripper	\$ 425,000
310	Red Bank Borough	1340001-003	White Street Water Main	\$ 562,350
334	Hightstown Borough	1104001-010	Water Main Improvements	\$ 1,775,678
339	Oak Ridge Senior Housing Community	1414008-001	Water Line Upgrades	\$ 530,300
341	Middlesex Water Company	1225001-025	Western Transmission Main	\$ 57,000,000
345	Evesham Municipal Utilities Authority	0313001-001	Wells 13 Treatment Improvements	\$ 2,600,000
350	Moorestown Township	0322001-002	Hartford Road Water Treatment Plant Upgrade	\$ 15,240,000
351	Point Pleasant Borough	1524001-002	Water Treatment Plant Filter Replacement	\$ 2,112,000
372	Atlantic City Municipal Utilities Authority	0102001-010	Asset Management Plan - Professional Consulting Services In Compliance With The New Jersey Water Quality Accountability Act	\$ 150,000
374	Brick Township Municipal Utilities Authority	1506001-009	Breton Woods Water Main Replacement - Phase I	\$ 5,928,760
376	Wildwood City	0514001-005	Well #39 Redevelopment	\$ 378,000
377	Bloomfield Township	0702001-001	Cleaning and Lining of water mains	\$ 1,700,000
385	Milltown Borough	1212001-002	Ford Ave Redevelopment	\$ 1,606,000
387	Clementon Borough	0411001-002	Rehab of well 9 including slip lining to improve conveyance	\$ 1,400,000
388	Flemington Borough	1009001-009	Water Tank Construction and Various Improvements	\$ 4,500,000
394	Orange City	0717001-006	Asset Management plan	\$ 7,200,000
394	Orange City	0717001-016	Water System Hydraulic Model, GIS, AMP	\$ 936,600
396	Brick Township Municipal Utilities Authority	1506001-013	Water Main Stream Crossings Replacements at Various locations	\$ 4,188,419
397	Bayonne Municipal Utilities Authority	0901001-006	Aqueduct Replacement	\$ 12,000,000
398	Hoboken City	0905001-003	Water Main upgrades Phase II	\$ 5,200,000

**Key**

**Green Text** Cost and/or New Project Update      **Bold** Updated information

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
399	Monroe Municipal Utilities Authority	0811002-001	Tank Painting	\$ 2,300,000
404	Deptford Township Municipal Utilities Authority	0802001-002	Water Main Replacement at East Woodbury	\$ 1,550,000
404	Deptford Township Municipal Utilities Authority	0802001-003	Water Main Replacement at Country Club Estates	\$ 1,200,000
407	Glassboro Borough	0806001-001	2.0 mg elevated tower repainting	\$ 3,250,000
411	Wallington Borough	0265001-002	Wallington Avenue Water Main	\$ 2,600,000
414	Ship Bottom Borough	1528001-004	Water Main Replacement Project	\$ 4,100,000
416	Lakehurst Borough	1513001-002	Water Main Replacement Project Phase I	\$ 1,200,000
421	Hopewell Township	1106001-001	Water System Improvements	\$ 1,285,000
430	Seaside Park Borough	1527001-003	Water Asset Management Plan	\$ 70,200
431	Perth Amboy City	1216001-005	The Installation Of A New Standby Generator At The Runyon Water Treatment Plant	\$ 1,100,000
431	Perth Amboy City	1216001-500	Install New Stand-by Generator for Runyon Water Treat. Plant	\$ 2,750,000
440	South Orange Village	0719001-009	Scotland Road Water Mains	\$ 4,100,000
917	East Windsor Municipal Utilities Authority	1101002-005	Twin Rivers (H section) Water Main Replacement Project	\$ 2,000,000
918	Little Egg Harbor Municipal Utilities Authority	1516001-006	Water Storage Tank Painting and Upgrades	\$ 2,659,837
919	West Deptford Township	0820001-004	Jessup Road Water Storage Tank Repair and Repainting	\$ 3,300,000
925	Mantua Township MUA	0810004-004	Centre City Water/Sewer Infrastructure Improvements	\$ 4,750,000
926	Clinton Town	1005001-006	Lebanon Borough WM Replacements - Phase II through Phase V	\$ 4,300,000
926	Clinton Town	1005001-012	WQAA Implementation - Water Infrastructure Audit and Upgrades	\$ 3,500,000
<b>930</b>	<b>North Brunswick Township</b>	<b>1215001-007</b>	<b>Water Main Replacement</b>	<b>\$ 7,000,000</b>
933	Long Beach Township	1517001-015	Water Main Replacement Project	\$ 4,159,201
941	Milltown Borough	1212001-005	Water Storage Tank Rehabilitation	\$ 1,800,000
945	Allentown Borough	1302001-002	Elevated Water Tank Improvements	\$ 549,100
951	Farmingdale Borough	1314001-002	Painting and repairs to water tower and other misc system improvements	\$ 907,000
955	Roosevelt Borough	1341001-007	Homestead, Cedar and Elm Water Mains Project.	\$ 600,000

**Key**

**Green Text** Cost and/or New Project Update      **Bold** Updated information

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
969	Woodland Heights Homeowners Association	1615022-001	Well Rehabilitation and System Improvements	\$ 560,000
971	NJ American Water Company, Incorporated	2004002-013	RM WTP Emergency Generator	\$ 16,000,000
980	Jackson Township Municipal Utilities Authority	1511001-012	Western Water Main Extension	\$ 11,000,000
982	South Orange Village	0719001-006	Repair or Replace Newstead Sphere	\$ 1,950,000
982	South Orange Village	0719001-005	Crest Drive Standpipe	\$ 3,140,000
986	Freehold Borough	1315001-003	Replacement of Well No. 3	\$ 2,152,400
987	Manchester Utilities Authority	1603001-003	High Service Pump Station Replacement	\$ 2,000,000
989	High Bridge Borough	1014001-004	High Bridge Water System: Bunnvale Well and West Main Street Water Main Upgrades	\$ 1,477,872
1002	Marlboro Township	1328002-003	Beacon Hill storage tank Rehab	\$ 1,714,000
1010	Oakland Borough	0220001-004	Rehab of Iroquois Pumping Station	\$ 3,133,000
1012	Clinton Town	1005001-013	Foster Wheeler Booster Pump Station Modifications - Asset Management Planning	\$ 3,000,000
1015	Brigantine City	0103001-501	Installation of generators @ well	\$ 2,900,000
1018	Brielle Borough	1308001-004	Brielle Drinking Water Storage Tank Project	\$ 2,460,000
1020	Ho-Ho-Kus Borough	0228001-001	Water Tank Upgrade	\$ 928,000
1023	Borough of Wenonah	0819001-001	Water System Asset Management Plan and System Improvements - Water Tank Rehabilitation	\$ 2,000,000
1036	Winslow Township	0436007-010	Well #2 Filter Plant Upgrade	\$ 3,100,000
1044	Mount Arlington Borough	1426005-001	Mount Arlington Asset Management Plan	\$ 250,285
1049	South Orange Village	0719001-002	Well 17 Emergency Power	\$ 85,000
1053	Brielle Borough	1308001-005	Old Bridge Road Elevated Water Storage Tank	\$ 3,600,000
1062	Vineland City	0614003-016	Well No. 17 Treatment Facility	\$ 9,000,000
1067	Oakland Borough	0220001-003	diesel generator for well 9	\$ 3,133,000
1077	Hampton Borough	1013001-001	New back up well 5 to address firm capacity requirements	\$ 1,800,000
1095	Highland Park Borough	1207001-001	2018-19 Water System Improvements	\$ 3,320,000
1098	Hopatcong Borough	1912001-005	Hopatcong Borough Water Meter Replacement Project	\$ 778,000
1099	Highbridge Borough	1014001-002	Improvements to water system	\$ 1,076,758
1100	Hardyston Municipal Utility Authority	1911006-001	Water Meter Replacement	\$ 477,400

Key	
Green Text	Cost and/or New Project Update
Bold	Updated information

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
1112	South Orange Village	0719001-004	Farrell Field (Walton Ave & Audley St.) Interconnection Rehab.	\$ 150,000
1112	South Orange Village	0719001-007	Replace Pressure Reducing Valves	\$ 272,000
1119	Little Egg Harbor Municipal Utilities Authority	1516001-003	Water Treatment Plant at Mathistown Road	\$ 5,525,000
1129	South River Borough	1223001-003	Rehabilitation of Borough Wells	\$ 1,300,000
1136	National Park Borough	0812001-004	Replacement of Wells 5 & 6	\$ 1,700,000
1137	Ocean Gate Borough	1521001-003	Well Water Construction/Drilling a new well	\$ 720,000
1150	Oakland Borough	0220001-002	Replace 4600 water meters	\$ 3,133,000
1151	Clinton Town	1005001-007	Replace Water Meters	\$ 4,277,804
1157	South Orange Village	0719001-001	Well 17 Rehabilitation	\$ 250,000
1160	Belleville Township	0701001-007	Township of Belleville Asset Management Plan	\$ 220,000
1162	Hopatcong Borough	1912001-004	Small System Asset Management	\$ 100,000
1163	Hamburg Borough	1909001-001	Small System Asset Management	\$ 85,000
1164	Mount Arlington Borough	1426005-002	Windemere, Altenbrand, North Glen and Park Water Main Extension	\$ 1,202,100
1167	Marlboro Township	1328002-004	New Stand-by Well 5A	\$ 1,385,000
1170	Oakland Borough	0220001-001	Construct new well 10A as backup for well 10	\$ 3,133,000
1174	Harvey Cedars Borough	1509001-002	Installation of a Water Monitoring Well	\$ 1,100,000
1194	Ridgefield Park Village	0238001-002	Village of Ridgefield Park Skymark Project	\$ 1,752,308
1195	Spotswood Borough	1224001-002	Water Master Pan	\$ 85,265
1199	Highbridge Borough	1014001-001	Asset Management Plan for the High Bridge Water System	\$ 100,000
1200	Pennington Borough	1108001-004	Asset Management Plan for Pennington Water Utility '	\$ 360,000
1202	Sea Girt Borough	1344001-005	Sea Girt Borough CMMS	\$ 100,000
1203	Hardyston Municipal Utility Authority	1911006-003	Asset Management Plan	\$ 100,000
<b>Base SFY2022 Drinking Water Projects #:</b>		<b>205</b>	<b>Subtotal:</b>	<b>\$ 1,528,893,582</b>
<b>Total Drinking Water Projects #:</b>		<b>207</b>	<b>Total Drinking Water Projects:</b>	<b>\$ 1,557,393,582</b>
<b>TOTAL NUMBER OF PROJECTS (CW, DW, Supplemental, Residual and Pinelands) #:</b>		<b>600</b>	<b>TOTAL PROJECT COSTS (CW, DW, Supplemental, Residual and Pinelands):</b>	<b>\$ 6,021,309,901</b>

Key	
<b>Green Text</b>	Cost and/or New Project Update
<b>Bold</b>	Updated information

## Appendix C

### SAIL

Projects financed through the Disaster Relief Emergency Financing Program  
(Statewide Assistance Infrastructure Loan Program)

Through December 31, 2020

Project #	Project Sponsor	Description	Loan Closing Date	Loan Note Amount
S340377-03	South Monmouth Regional Sewerage Authority	Replacement and relocation of the Lake Como Pump Station that was damaged during Superstorm Sandy to an area located outside of the flood hazard zone.	2/7/2014	\$ 2,950,391
S340377-04A	South Monmouth Regional Sewerage Authority	Replacement of the Pitney Avenue Pump Station with a mobile enclosure pumping station that will allow the Authority to relocate the main electrical components to a higher elevation during a forecasted storm event.	9/23/2014	\$ 1,532,224
S340377-05	South Monmouth Regional Sewerage Authority	Replacement of the Belmar Pump Station with a mobile enclosure pumping station that will allow the Authority to relocate the main electrical components to a higher elevation during a forecasted storm event.	10/28/2015	\$ 3,468,842
S340697-05	Bayshore Regional Sewer Authority	Phase I - restoration of damaged components of the Water Pollution Control Plant (WPCP) to pre-storm condition (restoration) and various measures to help abate future flooding impacts/improve resiliency to sea-water inundation of the WPCP (mitigation).	5/13/2015	\$ 28,113,307

<b>Project #</b>	<b>Project Sponsor</b>	<b>Description</b>	<b>Loan Closing Date</b>	<b>Loan Note Amount</b>
S340697-06	Bayshore Regional Sewer Authority	Phase II - removal of key components from Blower Building #1 and replacement of those components into Blower Building #2 which sits at a higher elevation than Blower Building #1, as well as various measures to help abate future flooding impacts/improve resiliency to sea-water inundation to the newly combined Blower Building.	6/23/2016	\$ 15,031,324
S340699-12	Middlesex County Utilities Authority	Restoration of mechanical HVAC and electrical equipment, as well as, building repairs for both the Sayreville Relief Pump Station and the Original Sayreville Pump Station facilities damaged by flood water. The project also involves the construction of a Flood Wall as a mitigation measure to protect the entire site from future flood events.	12/8/2016	\$ 87,953,113
S340699-13	Middlesex County Utilities Authority	Restoration and mitigation to the Sayreville Pump Station including the construction of a flood wall around the site perimeter, construction of an auxiliary pumping station, and motor replacements. The Project also involves flood proofing the pump building generator and switchgear building and the tunnel access shaft located at the site.	6/29/2016	\$ 35,208,623
S340259-07	Kearny Municipal Utilities Authority	Repairs to the various facilities due to the damages incurred during Superstorm Sandy, provide mitigation measures to increase the resilience of the pumping stations and replace some of the equipment that are at the end of their useful life.	1/7/2016	\$ 6,441,376

<b>Project #</b>	<b>Project Sponsor</b>	<b>Description</b>	<b>Loan Closing Date</b>	<b>Loan Note Amount</b>
S340689-25	Passaic Valley Sewerage Commission	Rehabilitate severe flood damage to the administration building that included but is not limited to all of its communication and business systems.	10/5/2016	\$ 9,100,000
S340689-30	Passaic Valley Sewerage Commission	Provide a stand-by power electrical system to ensure that the sump pumps and dewatering pumps located throughout the utility tunnels, galleries and basements at the PVSC Wastewater Treatment Plant will be capable of continued operation should flooding conditions occur again.	1/23/2018	\$ 2,478,251
S340689-40	Passaic Valley Sewerage Commission	Plant wide Replacement & Relocation of Electrical Switchgear and MCCs.	1/23/2018	\$ 13,217,254*

\*Estimated total project cost for S340689-40 is \$113,283,451, amount financed as of 12/31/20 is \$13,217,254

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## Appendix D

### Emergency Loan Program Guidance Document

#### Introduction

This Appendix provides guidance as to Emergency Loan Program eligibility and application requirements for the Clean Water and Drinking Water Programs. Not addressed herein are the program requirements for the Disaster Relief Emergency Loan Financing Program (a.k.a. the “Statewide Assistance Loan Program” or “SAIL”).

The NJDEP recognizes that environmental infrastructure emergencies may occur that endanger public health and welfare and can result in substantial environmental damage. Such circumstances require an immediate response for which a complete technical and environmental review in advance of construction is not possible. On July 15, 2005, the NJDEP issued a generic Environmental Decision Document (EDD) for environmental emergency response projects and on January 3, 2006, amendments to the program's rules at N.J.A.C. 7:22 were adopted to allow the EIFP to fund certain emergency projects. The generic EDD and the rule changes identify the specific types of projects and conditions that must exist to qualify under the emergency project provisions of the Financing Program.

With the EDD and the rules as guidelines, the NJDEP has developed a process to respond rapidly when emergencies occur, obtain basic project information, make an eligibility determination and issue a preaward approval so that owners/operators can undertake the needed repairs and maintain eligibility for those expenditures through the EIFP. For ranking purposes, projects that qualify as emergency projects will receive funding priority over all other projects on the Project Priority List.

#### Project Notification Procedure.

The affected system must notify:

##### Drinking Water Projects:

The Chief of the Bureau of Water System Engineering, Kristin Tedesco, Water Supply Operations Element in the Division of Water Supply, at (609) 292-5550;

##### Clean Water Projects:

The Assistant Director of the Municipal Finance and Construction Element in the Division of Water Quality, Gene Chebra, at (609) 633-1170

by close of business on the day of the emergency or by 12:00 PM of the next business day. For example, if an emergency occurs on a Friday morning, the NJDEP must be notified by the end of the Friday business day or if an emergency occurs on a Saturday or Sunday, the NJDEP must be notified by 12:00PM on the following Monday.

The NJDEP will confirm notification of the possible emergency project with a fax describing what information is to be submitted to NJDEP. Within 30 days of the emergency occurrence, the affected system must submit to the DWSRF a comprehensive report including the following: nature/location of the emergency, need for repair and description of the initial efforts to repair the damage, detailed description of the repair needed with costs, list any required permits, and a description of the long-term solution. In addition, a Certification signed by the water superintendent, chief engineer or director must be provided by the water system stating that there was an emergency situation and that the repairs are required.

The NJEIFP will only fund the portion of any repair that is necessary to restore lost service to the affected population and will only fund a specific Emergency Repair Project for a specific entity once. Any long-term solutions, modifications, and/or upgrades to prevent future emergency occurrences must be addressed in future financing cycles as a project and published on the Project Priority List. Specific types of projects and conditions must exist to qualify under the emergency project provisions of the Financing Program. Drinking Water Emergency Repair Projects will be defined as, and limited to, projects that replace, in kind, the failure of an essential portion of a public water system that is expected to disrupt water service to any number of the public water system's customers for a minimum of 24 hours total and/or poses a substantial threat to the public health, safety, and welfare.

**APPENDIX E**

**New Jersey Environmental Infrastructure Financing Program  
State Fiscal Year 2020 Financing Program Summary**

	Funding Received prior to SFY2020	New Financing in SFY2020				
Borrower	Previously Reported ST Loans (not part of SFY2020 Funding)	New Short Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2020	LT Financing Received in SFY2020	Project Description
Aberdeen Twp	\$ 7,498,712		\$ 594,184	\$ 594,184	\$ 8,092,896	<b>Project No. S340 869-02.</b> Installation of sanitary sewerage facilities within the Woodfield area
Aberdeen Twp	\$ 1,305,099		\$ (13,471)	\$ (13,471)	\$ 1,291,628	<b>Project No. W1330004-001.</b> Installation of high pressure water main to replace deteriorated infrastructure
Allentown Borough		\$ 4,600,000		\$ 4,600,000		<b>Project No. S340 567-05.</b> Replacement of water treatment plant with integrated fixed-film activated sludge plant and various related components
Bergen CUA		\$ 79,985		\$ 79,985		<b>Project No. S340 386-24.</b> Tank header improvements
Bergen CUA		\$ 201,311		\$ 201,311		<b>Project No. S340 386-25.</b> Replacement of segments of prestressed concrete cylinder pipe
Bloomfield Twp		\$ 5,018,768		\$ 5,018,768		<b>Project No. S340 516-01.</b> Water Meter Replacement
Bloomfield Twp		\$ 284,747		\$ 284,747		<b>Project No. W0702001-003 (LSLR).</b> Lead service line replacement
Bradley Beach Borough	\$ 389,614		\$ (14,828)	\$ (14,828)	\$ 374,786	<b>Project No. S340 472-02.</b> Replacement of storm drain with reinforced concrete pipe, replace drainage inlets and drainage manholes
Brick Twp MUA	\$ 860,669		\$ (17,431)	\$ (17,431)	\$ 843,238	<b>Project No. W1506001-010.</b> Replacement of approximately 100 fire hydrants within the Baywood section of Brick Township
Brick Twp MUA		\$ 1,609,341		\$ 1,609,341		<b>Project No. S340 448-14.</b> Water meter replacement

	Funding Received prior to SFY2020	New Financing in SFY2020				
Borrower	Previously Reported ST Loans (not part of SFY2020 Funding)	New Short Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2020	LT Financing Received in SFY2020	Project Description
Brick Twp MUA		\$ 17,094,937		\$ 17,094,937		<b>Project No. W1506001-011.</b> Installation of Granular Activated Carbon adsorption vessels, concrete pad, enclosure, and associated piping modifications to integrate the new treatment process into the existing system stream
Brick Twp MUA	\$ 1,375,000		\$ (170,550)	\$ (170,550)	\$ 1,204,450	<b>Project No. W1506001-012.</b> Water Meter Replacement in the Ramtown section of Brick Township
Buena Borough MUA		\$ 98,980		\$ 98,980		<b>Project No. S340 518-06.</b> Upgrades to Sanitary Sewer Pump Stations
Burlington City		\$ 1,012,911		\$ 1,012,911		<b>Project No. W0305001-002</b> (Nano) Rehabilitaton of dual media filters
Chatham Borough (JM)	\$ 165,137		\$ 2,564,863	\$ 2,564,863		<b>Project No. S340 715-07A.</b> Improvements to water pollution control facility including installation of new effluent filtration facilities
Clinton Town		\$ 1,448,187		\$ 1,448,187		<b>Project No. W1005001-010.</b> Water main extension and replacement of critical river crossing
Clinton Town		\$ 966,537		\$ 966,537		<b>Project No. W1005001-011.</b> Water Main Replacement Design Phase; Replacement of DIP potable water mains & connections
East Orange (JMEUC) City		\$ 67,490		\$ 67,490		<b>Project No. S340 686-09A.</b> Capital Improvements Project: Replacement of waste gas burners, rehabilitation of building & structures, replacement of coping & brick façade of sludge storage tanks
East Orange City		\$ 14,550,355		\$ 14,550,355		<b>Project No. W0705001-014.</b> Water system improvements including water main and service connection replacements

	Funding Received prior to SFY2020	New Financing in SFY2020				
Borrower	Previously Reported ST Loans (not part of SFY2020 Funding)	New Short Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2020	LT Financing Received in SFY2020	Project Description
Elizabeth (JMEUC) City		\$ 808,076		\$ 808,076		<b>Project No. S340 686-09B.</b> Capital Improvements Project: Replacement of waste gas burners, building & various structure rehabilitation, replacement of coping & brick façade of sludge storage tanks
Elizabeth City	\$ 3,155,738		\$ 194,262	\$ 194,262		<b>Project No. S345 070-01.</b> Long term control plan to minimize future sewer overflows
Elizabeth City	\$ 6,251,579		\$ (89,317)	\$ (89,317)	\$ 6,162,262	<b>S340 942-19.</b> Flood Control Project including installation of inlets, installation of bioswale on the northeast side of Trumbull St, rain garden, tree boxes, and water level sensor
Franklin Twp SA	\$ 1,746,857		\$ (58,208)	\$ (58,208)	\$ 1,688,649	<b>Project No. S340 839-07.</b> Reduction of extraneous infiltration and inflow to collection system
Glen Ridge Borough		\$ 2,367,744		\$ 2,367,744		<b>Project No. W0708001-008 (Nano).</b> 2017 Lead Service Water-Line Replacement, repair and replacement of fire hydrants & Asset Mgt. Plan
Gloucester County IA	\$ 5,100,000		\$ (222,871)	\$ (222,871)	\$ 4,877,129	<b>Project No. S342 016-03.</b> Construction of landfill with Soil and Sediment Control Plan to mitigate adverse impacts on site hydrology
Gloucester Twp		\$ 927,983		\$ 927,983		<b>Project No. S340 364-15.</b> Rehabilitation of existing stormwater collection system
Hackensack City (CSO)		\$ 5,204,010		\$ 5,204,010		<b>Project No. S340 923-14.</b> Separation of the combined sewers on Main Street to facilitate redevelopment
Hamburg Borough		\$ 85,000		\$ 85,000		<b>Project No. S340 149-03 (SS - AMP).</b> Sanitary Sewer System Asset Mgt. Plan

	Funding Received prior to SFY2020	New Financing in SFY2020				
Borrower	Previously Reported ST Loans (not part of SFY2020 Funding)	New Short Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2020	LT Financing Received in SFY2020	Project Description
Hillside (JMEUC) Twp		\$ 103,437		\$ 103,437		<b>Project No. S340 686-09C.</b> Capital Improvement Project: Replacement of waste gas burners, building & various structure rehabilitation, replacement of coping & brick façade of sludge storage tanks
Hoboken City	\$ 33,811,095		\$ (44,763)	\$ (44,763)	\$ 33,766,332	<b>Project No. S340 635-06.</b> Development of green infrastructure park and sub-surface stormwater storage
Hoboken City	\$ 33,091,169		\$ 44,763	\$ 44,763		<b>Project No. S340 635-06R.</b> Multi-phase project that includes acquisition, environmental investigation, design, planning & construction of a 5.418 acre park in NW Hoboken
Hoboken City		\$ 6,196,314		\$ 6,196,314		<b>Project No. W0905001-002.</b> Phase I LT system upgrades including environmental planning, engineering design, permitting & construction of water mains
Hoboken City (CSO)		\$ 359,344		\$ 359,344		<b>Project No. S340 635-09.</b> Installation of four right-of-way green infrastructure facilities on street segments adjacent to water main upgrades
Hopatcong Borough		\$ 75,000		\$ 75,000		<b>Project No. S340 488-07 (SS - AMP).</b> Sanitary Sewer System Asset Mgt. Plan
Irvington (JMEUC) Twp		\$ 274,214		\$ 274,214		<b>Project No. S340 686-09D.</b> Capital Improvements Project: Replacement of waste gas burners, building & various structure rehabilitation, replacement of coping & brick façade of sludge storage tanks
Jackson Twp MUA	\$ 6,978,160		\$ (101,358)	\$ (101,358)	\$ 6,876,802	<b>Project No. W1511001-010.</b> Demolition of Facilities; Replacement of storage tank & well

	Funding Received prior to SFY2020	New Financing in SFY2020				
Borrower	Previously Reported ST Loans (not part of SFY2020 Funding)	New Short Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2020	LT Financing Received in SFY2020	Project Description
Jersey City MUA		\$ 2,770,000		\$ 2,770,000		<b>Project No. W0906001-009.</b> Burma Road area water system improvement project including construction of water mains
Jersey City MUA		\$ 1,458,905		\$ 1,458,905		<b>Project No. W0906001-017.</b> Treatment Plant Improvements: installation of new centrifuge unit, extension of cross screw conveyor & new screw-type load out conveyor for sludge disposal
Jersey City MUA		\$ 25,000,000		\$ 25,000,000		<b>Project No. W0906001-025.</b> Phase I & II Water Main Replacement
Jersey City MUA (CSO)		\$ 10,525,544		\$ 10,525,544		<b>Project No. S340 928-21.</b> Sewer Pipe Replacement/Phase V CSO Study
Jersey City MUA (CSO)		\$ 81,500,000		\$ 81,500,000		<b>Project No. S340 928-24.</b> Phase I & II Sewer Rehabilitation
Lakewood Twp MUA		\$ 4,063,763		\$ 4,063,763		<b>Project No. S340 465-02.</b> Gravity Sewer Line Installation
Lambertville MUA		\$ 755,810		\$ 755,810		<b>Project No. S340 882-09.</b> Wastewater Treatment Plant Rehabilitation including roof replacement, purchase of replacement clarifier mechanisms, rehabilitation of chemical building, repavement of plant area and access road, and drain line repair
Lambertville MUA		\$ 550,000		\$ 550,000		<b>Project No. S340 882-10.</b> Collection system rehabilitation via cured-in-place lining of existing sanitary sewers
Little Egg Harbor MUA	\$ 3,320,000		\$ 1,430,000	\$ 1,430,000		<b>Project No. W1516001-003.</b> Construction of new water treatment plant
Little Egg Harbor MUA		\$ 1,797,091		\$ 1,797,091		<b>Project No. S340 579-03.</b> Little Egg Harbor Sewer Main Replacement

	Funding Received prior to SFY2020	New Financing in SFY2020				
Borrower	Previously Reported ST Loans (not part of SFY2020 Funding)	New Short Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2020	LT Financing Received in SFY2020	Project Description
Little Egg Harbor MUA		\$ 1,095,374		\$ 1,095,374		<b>Project No. W1516001-005.</b> Installation of PVC water distribution main, 9 fire hydrants, and 165 water service connections
Little Egg Harbor Twp	\$ 4,050,329		\$ (164,413)	\$ (164,413)	\$ 3,885,916	<b>Project No. S344 060-02 (BB).</b> Remove and replace stormwater drainage collection system
Long Beach Twp	\$ 9,541,057		\$ (636,037)	\$ (636,037)	\$ 8,905,020	<b>Project No. W1517001-502 (Nano).</b> Reconstruct filter room and pumps
Long Branch SA		\$ 106,555		\$ 106,555		<b>Project No. S340 336-08.</b> 2018 Capital Improvement Project: Wastewater Treatment Plant Improvements, Hot Water Piping, Final Settling Tank Mechanical & modification of underground Hot Water Piping System
Long Branch SA		\$ 308,939		\$ 308,939		<b>Project No. S340 336-09.</b> 2018 Capital Improvement Project: Collection System, Inflow/Infiltration, Study & Rehab project, flow metering, sewer cleaning
Lower Twp MUA	\$ 3,112,198		\$ (213,016)	\$ (213,016)	\$ 2,899,182	<b>Project No. W0505002-003.</b> Regional water main extensions
Madison Borough (JM)	\$ 288,535		\$ 4,481,465	\$ 4,481,465		<b>Project No. S340 715-07B.</b> Improvements of water pollution control facility infrastructure and installation of new effluent filtration facilities
Middlesex County UA	\$ 87,953,113		\$ (66,589,139)	\$ (66,589,139)	\$ 21,363,974	<b>Project No. S340 699-12.</b> Restoration & Flood Mitigation, restoration of mechanical HVAC & electrical equipment instrumentation
Montclair Twp	\$ 829,000		\$ (37,789)	\$ (37,789)	\$ 791,211	<b>Project No. S340 837-03.</b> Sanitary Sewer collection system rehabilitation
Montclair Twp	\$ 1,124,408		\$ (97,996)	\$ (97,996)	\$ 1,026,412	<b>Project No. S340 837-04.</b> Rehabilitation of sanitary sewer collection mains

	Funding Received prior to SFY2020	New Financing in SFY2020				
Borrower	Previously Reported ST Loans (not part of SFY2020 Funding)	New Short Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2020	LT Financing Received in SFY2020	Project Description
Moorestown Twp		\$ 20,880,000		\$ 20,880,000		<b>Project No. W0322001-001.</b> North Church Street Water Treatment Plant Upgrade: includes new filters, greensand pressure filters, advanced oxidation system, and new chemical feed equipment
Mt Laurel Twp MUA		\$ 1,085,489	\$ 2,531,207	\$ 3,616,696		<b>Project No. S340 943-06.</b> Sewer System Improvement (Bundle 1), primary & secondary clarifier rehab, belt filter press control panel replacement, conversion of warehouse to vehicle storage facility
Musconetcong SA		\$ 420,147		\$ 420,147		<b>Project No. S340 384-09.</b> Capital Improvement project: including new influent screening facility, replacement of plant effluent micro-strainers, acquisition of 19 pumps
Netcong Borough	\$ 729,584		\$ 68,777	\$ 68,777	\$ 798,361	<b>Project No. W1428001-008 (Nano).</b> Cleaning and lining of water mains, water main upgrades, and replacing fire hydrants
Netcong Borough	\$ 834,093		\$ (183,425)	\$ (183,425)	\$ 650,668	<b>Project No. W1428001-007.</b> Replacement of water mains on Rte. 46, Extension of Water Mains on Rte. 80 & Replacement of Meters
Netcong Borough	\$ 262,308		\$ (82,872)	\$ (82,872)	\$ 179,436	<b>Project No. W1428001-009.</b> Replacement of customer meters with Automatic Meter Reading System
Newark (JMEUC) City		\$ 160,012	\$ -	\$ 160,012		<b>Project No. S340 686-09E.</b> Capital Improvements Project: Replacement of waste gas burners, building & various structure rehabilitation, replacement of coping & brick façade of sludge storage tanks

	Funding Received prior to SFY2020	New Financing in SFY2020				
Borrower	Previously Reported ST Loans (not part of SFY2020 Funding)	New Short Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2020	LT Financing Received in SFY2020	Project Description
Newark City		\$ 8,881,010	\$ 3,698,411	\$ 12,579,421		<b>Project No. W0714001-020 (LSLR).</b> Phase II Lead Service Line Replacement (LSLR)
Newark City	\$ 11,147,434		\$ (159,637)	\$ (159,637)	\$ 10,987,797	<b>Project No. W0714001-016.</b> Pequannock Water Treatment Plant rehabilitation including backwash, chlorination system and sludge lagoon upgrades
Newark City (CSO)		\$ 4,700,474		\$ 4,700,474		<b>Project No. S340 815-28.</b> South & Adam Streets Drainage Improvements project: resurfacing, sidewalk, curb & ADA curb ramp improvements, new drainage inlets, manholes, pipes to alleviate flooding
NJ American Water Company		\$ 24,103,961		\$ 24,103,961		<b>Project No. W1345001-021.</b> Swimming River Water Treatment Plant 2nd Clearwell and new emergency generator system
North Hudson SA		\$ 75,296		\$ 75,296		<b>Project No. S340 952-31.</b> Construction of rain gardens, porous pavement, stormwater planters in West New York, Union City & Weehawken
North Hudson SA	\$ 17,060,030		\$ (942,586)	\$ (942,586)	\$ 16,117,444	<b>Project No. S340 952-22.</b> Construction of end-of-pipe solids & floatables screening facility, pier structure to facilitate access & maintenance of facility
North Hudson SA	\$ 2,316,573		\$ (119,609)	\$ (119,609)	\$ 2,196,964	<b>Project No. S340 952-23.</b> Adams Street Wastewater Treatment Plant Phase II improvements: upgrades to physical systems and emergency repair of Hydrogritters
North Jersey District WSC	\$ 9,854,439		\$ (1,254,340)	\$ (1,254,340)	\$ 8,600,099	<b>Project No. W1613001-022.</b> Replacement of sedimentation basin with high rate clarifiers

	Funding Received prior to SFY2020	New Financing in SFY2020				
Borrower	Previously Reported ST Loans (not part of SFY2020 Funding)	New Short Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2020	LT Financing Received in SFY2020	Project Description
North Jersey District WSC	\$ 1,647,922		\$ 1,992,672	\$ 1,992,672	\$ 3,640,594	<b>Project No. W1613001-025.</b> A design build project to develop and implement treatment technologies to ensure lagoon discharge is in compliance with state permit deadline
North Jersey District WSC	\$ 476,927		\$ 2,951,211	\$ 2,951,211	\$ 3,428,138	<b>Project No. W1613001-033.</b> Update security infrastructure to increase security for the treatment facilities and infrastructure.
Ocean County UA	\$ 2,604,099		\$ (350,638)	\$ (350,638)	\$ 2,253,461	<b>Project No. S340 372-58.</b> Interceptor system rehabilitation via cured-in-place pipe technology and rehabilitation of all manholes within the project area
Ocean Twp SA	\$ 305,143		\$ (8,551)	\$ (8,551)	\$ 296,592	<b>Project No. S340 750-14.</b> Various mechanical, electrical, structural and site improvements to two existing sanitary sewage pumping stations
Passaic Valley SC		\$ 6,059,402		\$ 6,059,402		<b>Project No. S340 689-45.</b> Improve & Rehabilitate sludge storage tanks including recoating and repairing the interior of the tanks, removing lead paint on exterior of tanks, recoating the tanks, pump and well improvements, and misc structural repairs
Passaic Valley SC		\$ 780,670		\$ 780,670		<b>Project No. S340 689-48.</b> Equipment purchase of crane to maintain its treatment plant & collection system operations
Passaic Valley SC	\$ 3,402,331		\$ (1,069,794)	\$ (1,069,794)	\$ 2,332,537	<b>Project No. S340 689-25.</b> Rehabilitation of PVSC Admin Bldg due to flooding damage from Superstorm Sandy (Carryover 2015)

	Funding Received prior to SFY2020	New Financing in SFY2020				
Borrower	Previously Reported ST Loans (not part of SFY2020 Funding)	New Short Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2020	LT Financing Received in SFY2020	Project Description
Passaic Valley SC	\$ 2,928,050		\$ (239,173)	\$ (239,173)	\$ 2,688,877	<b>Project No. S340 689-31.</b> Replace PVSC's existing Sodium Hypochlorite Storage & Feed Facility tanks with a chemical feed system
Passaic Valley SC (CSO)	\$ 3,776,639		\$ (456,966)	\$ (456,966)	\$ 3,319,673	<b>Project No. S340 689-39.</b> Coat interior of pipe with new coating system to extend life of pipeline
Roxbury Twp	\$ 6,098,986		\$ (570,581)	\$ (570,581)	\$ 5,528,405	<b>Project No. S340 381-07.</b> Replace existing pumps and ancillary systems with new equipment to improve operational efficiency and reliability
Rutgers, The State University of NJ	\$ 365,822		\$ 35,616,263	\$ 35,616,263		<b>Project No. S340 500-01.</b> Replacement of power generating turbines with increased capacity and other related equipment upgrades
Salem County IA		\$ 303,000		\$ 303,000		<b>Project No. S342 022-02.</b> Cell 10 Construction: includes double composite liner system
Scotch Plains Twp		\$ 2,305,469		\$ 2,305,469		<b>Project No. S340 512-01.</b> Rehabilitation of 2 existing raw sewage pump stations, electrical panels, instrumentation & HVAC components
Ship Bottom Borough		\$ 542,030		\$ 542,030		<b>Project No. S340 311-04.</b> Provide water meters in meter pits to every unmetered service connection within the Borough
Ship Bottom Borough	\$ 3,384,166		\$ (619,761)	\$ (619,761)	\$ 2,764,405	<b>Project No. S340 311-03.</b> Remove & Replace existing sanitary sewer mains, manholes, services & clean outs

	Funding Received prior to SFY2020	New Financing in SFY2020				
Borrower	Previously Reported ST Loans (not part of SFY2020 Funding)	New Short Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2020	LT Financing Received in SFY2020	Project Description
Ship Bottom Borough	\$ 3,016,378		\$ (528,754)	\$ (528,754)	\$ 2,487,624	<b>Project No. W1528001-002.</b> Remove & Replace water mains, hydrants, water services & curb slopes
Somerset Raritan Valley SA		\$ 5,144,453		\$ 5,144,453		<b>Project No. S340 801-09.</b> Wastewater Treatment Plant Improvements (SFY2019), planning, design, construction, replace existing roof, 2 grit collection systems, motor control centers
South Orange Village (JMEUC) Twp		\$ 71,140		\$ 71,140		<b>Project No. S340 686-09F.</b> Capital Improvements Project: Replacement of waste gas burners, building & various structure rehabilitation, replacement of coping & brick façade of sludge storage tanks
Spotswood Borough		\$ 1,987,954		\$ 1,987,954		<b>Project No. S340 510-01.</b> Roadway, Stormwater Management & Sanitary Sewer System Improvements: includes installation of curb, roadway widening and reconstruction
Spotswood Borough		\$ 730,010		\$ 730,010		<b>Project No. W1224001-001 (Nano).</b> Cleaning & Lining of Water Mains
Stafford Twp	\$ 1,489,357		\$ (386,710)	\$ (386,710)	\$ 1,102,647	<b>Project No. W1530004-019.</b> Replacement of water main with 12" DIP
Stony Brook RSA	\$ 3,868,630		\$ (309,529)	\$ (309,529)	\$ 3,559,101	<b>Project No. S340 400-10.</b> Replacement of dewatered Sludge Handling Pump
Summit (JMEUC) City		\$ 138,902		\$ 138,902		<b>Project No.S340 686-09G.</b> Capital Improvement Project: Replacement of waste gas burners, building n & various structure rehabilitation, replacement of coping & brick façade of sludge storage tanks

	Funding Received prior to SFY2020	New Financing in SFY2020				
Borrower	Previously Reported ST Loans (not part of SFY2020 Funding)	New Short Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2020	LT Financing Received in SFY2020	Project Description
Toms River MUA	\$ 387,427		\$ 185,160	\$ 185,160	\$ 572,587	<b>Project No. S340 145-06.</b> Purchase of equipment to support site inspection for purposes of determining necessary repairs or replacements
Toms River MUA		\$ 3,100,000		\$ 3,100,000		<b>Project No. S340 145-05.</b> Sanitary Sewer Rehabilitation, via excavation, removal/replacement of 30 different pipe sections
Trenton City		\$ 9,199,099	\$ 5,800,901	\$ 15,000,000		<b>Project No. W1111001-011 (LSLR).</b> Lead Service Line Replacement in portions of Ewing, Hamilton, Hopewell & Lawrenceville Twps.
Two Rivers Water Reclamation Auth		\$ 3,252,159		\$ 3,252,159		<b>Project No. S340 117-10.</b> New Pump Station: Construction of new interceptor, extending Monmouth Beach Interceptor to new pump station, installation of new force main to Headworks/Blower Bldg.
Union (JMEUC) City		\$ 298,279		\$ 298,279		<b>Project No. S340 686-09H.</b> Capital Improvement Project: Replacement of waste gas burners, building & various structure rehabilitation, replacement of coping & brick façade of sludge storage tanks
University Hospital		\$ 863,550		\$ 863,550		<b>Project No. S340 500-03.</b> Co-Generation Project: replace 3 existing turbines, new gas compressor, controls, connections & switchgear alterations
Wall Twp	\$ 1,291,525		\$ 25,384	\$ 25,384		<b>Project No. W1352003-001.</b> Rte. 138 Water Main Improvements to 4 sections within Township

	Funding Received prior to SFY2020	New Financing in SFY2020				
Borrower	Previously Reported ST Loans (not part of SFY2020 Funding)	New Short Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2020	LT Financing Received in SFY2020	Project Description
Wall Twp	\$ 2,900,000		\$ 228,728	\$ 228,728		<b>Project No. W1352003-002.</b> Rte. 34 Water Main Improvements: Installation of 3 sections within Township
Warren Twp SA	\$ 1,805,202		\$ 959,355	\$ 959,355		<b>Project No. S340 964-05.</b> Stage I/III & IV Collection System Rehabilitation to reduce impacts from infiltration and inflow
West Orange (JMEUC) Twp		\$ 189,353		\$ 189,353		<b>Project No. S340 686-09I.</b> Capital Improvement Project: Replace waste gas burners, building & various structure rehabilitation, replacement of coping & brick façade of sludge storage tanks
Wildwood City		\$ 283,096		\$ 283,096		<b>Project No. W0514001-006.</b> Replace the outdated sanitary sewer, water and storm drainage systems
Woodbine Borough		\$ 301,500		\$ 301,500		<b>Project No. W0516001-001 (Nano/SS - AMP).</b> Wastewater Treatment Plant Upgrade & Water Main Extension and preparation of an Asset Mgt. Plan
<b>Total</b>	<b>\$ 118,640,215</b>	<b>\$ 289,223,107</b>	<b>\$ (12,386,507)</b>	<b>\$ 276,836,600</b>	<b>\$ 177,555,297</b>	

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## **APPENDIX F**

# **2021 I-BANK BOARD MEETING DATES**

JANUARY 14, 2021

FEBRUARY 11, 2021

MARCH 11, 2021

APRIL 8, 2021

MAY 13, 2021

JUNE 10, 2021

JULY 8, 2021

AUGUST 12, 2021

SEPTEMBER 9, 2021

OCTOBER 14, 2021

NOVEMBER 10, 2021

DECEMBER 9, 2021

All meetings are open to the public and scheduled to occur at 10:00 am.

Dates and times are subject to change.