

# **NEW JERSEY ENVIRONMENTAL INFRASTRUCTURE FINANCING PROGRAM**

**STATE FISCAL YEAR 2020  
PRIORITY SYSTEM AND  
PROJECT PRIORITY LIST**

**STATE FISCAL YEAR 2019  
THIRD AMENDED  
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 2019**

This page has been intentionally left blank

# **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**

Robert A. Briant, Jr., Vice Chairman

Roger Ellis, Treasurer

Mark Longo, Secretary

## **Ex-Officio Members**

Elizabeth Maher Muoio, New Jersey State Treasurer

Catherine R. McCabe, DEP Commissioner

Diane Gutierrez-Scaccetti, DOT Commissioner

Sheila Y. Oliver, DCA Commissioner

## **Executive Director**

David E. Zimmer, CFA

# **Report to the Legislature Pursuant to**

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

**Presented by**

**Catherine R. McCabe, Commissioner**  
New Jersey Department of Environmental Protection

**Robert A. Briant, Jr., Vice-Chairman**  
New Jersey Infrastructure Bank

This page has been intentionally left blank



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:** Catherine R. McCabe, Commissioner, New Jersey Department of Environmental Protection  
Robert A. Briant, Jr., Vice-Chairman, New Jersey Infrastructure Bank  
**DATE:** January 15, 2019  
**SUBJECT:** State Fiscal Year 2020 New Jersey Environmental Infrastructure Financing Program

---

### **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) 2020 New Jersey Environmental Infrastructure Financing Program ("NJEIFP");
- (ii) The initial SFY2020 Project Priority List (as of January 2019, to be updated quarterly);
- (iii) The 3rd amended SFY2019 Project Priority List;
- (iv) The Disaster Relief Emergency Financing Program (Statewide Assistance Infrastructure Loan Program, or SAIL) Project Priority List;
- (v) A comprehensive report on projects that received funding in SFY2018;
- (vi) A comprehensive report on SAIL projects funded in the SFY2018.

### **Background**

The NJEIFP 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 protecting public health, water quality, and the state's natural resources as well as supporting economic growth. For the past 32 years, DEP and the I-Bank have leveraged State and Federal funds (provided through the US 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, 2018:

- The NJEIFP has issued more than **\$6.85 billion** in low-interest long term loans;
- New Jersey's ratepayers have saved an estimated **\$2.54 billion** in interest costs and Principal Forgiveness loans; and
- Total loan spending has generated over 130,000 direct construction jobs throughout the State<sup>1</sup>.

### **SFY2020 - Initial Project List**

**405 projects / \$3.95 billion**

The January Report identifies a pool for the SFY2020 NJEIFP consisting of 405 projects with an estimated value of \$3.95 billion, continuing to demonstrate the NJEIFP's importance and commitment to meeting the State's environmental infrastructure needs. Please refer to:

---

<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.

- **Appendix A** for those **Clean Water** projects identified on the SFY2020 Clean Water Interim (Short Term) Financing Program Project Priority List (SFY2020 CW Priority List) and, the 3<sup>rd</sup> Amended SFY2019 Clean Water Interim (Short Term) Financing Program Project Priority List (SFY2019 CW Priority List).
- **Appendix B** for those **Drinking Water** projects identified on the SFY2020 Drinking Water Interim (Short Term) Financing Program Project Priority List (SFY2020 DW Priority List) and, the 3<sup>rd</sup> Amended SFY2019 Drinking Water Interim (Short Term) Financing Program Project Priority List (SFY2019 DW Priority List).

### **SFY2020 Financing Program**

The majority of NJEIFP projects are initially financed through the I-Bank's short-term loan program which currently offers zero percent financing during the construction phase. 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 only on funds needed for the project and only on the amount of funds utilized from the time of draw.

The majority of the projects that received short-term loans in recent years will receive long-term loans funded 75% with DEP funds at 0% interest and 25% with I-Bank AAA market rate funds, consistent with recent financing programs. On average, these participants will save over 40%, or \$400,000 in interest costs per \$1.0 million borrowed over 30 years compared to financing their projects independently.

For SFY2020, the proposed **Clean Water** Intended Use Plan (IUP) includes changes to the Department and I-Bank loan shares for every project category eligible for clean water funds. This funding ratio change will result in slightly higher blended interest rates for projects financed in SFY2020. However, the changes allow the Program to still offer competitive loan rates and ensure long-term viability for the NJEIFP.

For SFY2020 (and the remainder of SFY2019), the proposed **Drinking Water** IUP (and proposed amendments to the SFY2019 IUP) also includes changes to the Department and I-Bank loan shares for nearly every project category eligible for drinking water funds and proposes to fund Drinking Water projects in project priority order. These funding ratio changes, as proposed, will result in higher interest rates for projects financed in SFY2020 (and a portion of SFY2019). However, the proposed IUP changes will allow the Program to still offer competitive loan rates, ensure long-term viability for the NJEIFP and direct available funds to the highest priority public health projects. The Drinking Water IUP also includes modifications for the availability of principal forgiveness funds for full lead service line replacements by requiring projects to be funded in ranked order, with those systems exceeding the lead action, and with Median Household Incomes (MHI) of the municipalities in the service area less than the county MHI, receiving 90% principal forgiveness. The loans are capped based on the population served (\$1M, \$5M, \$10M) per applicant/per year. Other lead service line projects will receive the base rate, affordability rate, or Nano financing. Lastly, small drinking water systems continue to receive 100% principal forgiveness to develop and implement an asset management plan. However, the asset management plan must result in a project ranked high enough to receive funding.

## SFY2020 FUNDING PACKAGES (LONG-TERM LOANS)

### 1. Clean Water

Clean Water Categories	DEP Interest Free Share	I-Bank Market Rate Share
CSO Abatement Projects*	75%	25%
All Other Water Quality Projects (Base CWSRF)	50%	50%
Brownfield Redevelopment (Conduit Projects)	25%	75%

\* Costs in excess of \$10M for CSO Abatement Projects will be financed under the Base CWSRF package.

### 2. Drinking Water

Drinking Water Categories	DEP Interest Free Share	I-Bank Market Rate Share
Base DWSRF – Public	50%	50%
Base DWSRF – Investor-owned*	25%	75%
Affordability (publicly-owned water sys. only)**	75%	25%

\* Costs in excess of \$10M for Investor-owned projects will be financed at the I-Bank market rate.

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

## SFY2020 PRINCIPAL FORGIVENESS (PF) OPPORTUNITIES

### 1. SRF Program – Clean Water - Includes specific incentivized set-asides as follows:

Clean Water PF	Principal Forgiveness	Principal Forgiveness Cap	Projected Amount of PF Available
Small System Asset Mgmt. Plan Dev.	100%	\$100,000	\$0.5M
CSO – Green Infrastructure	50%	\$3M	\$12M
Coastal Community Water Quality Restoration	50%	\$2.5M	\$5M
Barnegat Bay Stormwater/NPS	50%	\$2M	\$6M
CSO-Abatement	50%	\$1M	\$10M

### 2. SRF Program - Drinking Water - Includes specific incentivized set-asides as follows:

Drinking Water PF	Principal Forgiveness	Principal Forgiveness Cap	Projected Amount of PF Available
Small System Asset Mgmt. Plan Dev.*	100%	\$100,000	\$1M
Small System (“Nano”) $\leq$ 10,000 customers	50%	\$0.5M	\$2M
Lead Line Replacement**	90%	Up to \$0.9M, \$4.5M or \$9M per water system (based on population served and eligibility; remainder at applicable base rate)	\$30M

\* Must result in a project ranked high enough to receive funding.

\*\* Water systems that exceed the lead action level and have lead service lines are eligible for lead line replacement funding if the MHI of the municipalities being serviced are less than the county MHI. Funding is prioritized by the priority ranking system. PF funding is capped per applicant/year based on the population served by the water system.

**Remaining Sandy SRF Program Funds.** The State was awarded **\$229.3 million** of special SRF appropriations from the federal government for Sandy impacted wastewater treatment and distribution systems. Since SFY2015, the majority of these Borrowers receive financing with loans consisting of:

- (i) 56% funds at 0% interest rate and 19% Principal Forgiveness from the DEP, and
- (ii) 25% funds at a AAA interest rate from the I-Bank.

**Lead Service Line Replacement-** The Financing Program will provide loans for the abatement of lead in the water systems of public community and non-profit, non-community water systems. As much as \$30 million will be made available for the Lead Service Line Replacement Program for water systems that have exceeded the lead action level and have a median household income less than the median household income for the county in which the water system is located. The Department has proposed in its DWSRF IUP (December 2018) financing in the form of 90% principal forgiveness and a 10% DEP interest free loan, capped at \$1, 5 or 10 million per water system (each water system has a unique identification number or PWSID)/per year based on the population served by the water system. Specifically,

- o \$10M (\$9M principal forgiveness) for systems serving populations >100,000
- o \$5M (\$4.5M principal forgiveness) for systems serving populations >10,000
- o \$1M (\$900K principal forgiveness) for systems serving populations ≤10,000
- o The balance of financing will be provided at the applicable base rate.

Water systems that do not exceed the lead action level but want to replace lead pipes are eligible for NJEIFP base programs. The following criteria must be met for the project to be eligible for NJEIFP loans:

- o Be able to document the presence of lead pipes and components
- o Lead pipes and components are defined as containing at least 90% or more lead by weight.
- o Provide documentation 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.
- o Partial lead line replacements are not allowable.

### **SFY2020 – Highlights**

In SFY2020, the NJEIFP will continue features introduced in recent years including an initiative for abating lead service lines in water systems of drinking water systems with lead action level exceedances (high ranking projects). Highlights of the program include:

- **Short-Term Funding Readily Available** – Rolling applications and an award process for short-term loans is in effect 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** – Recent legislative amendments now allow for an additional two fiscal years for the planning and design phase of short-term loans which finance a project’s planning, engineering design, legal, and construction expenses;
- **Attractive borrowing terms and rates** – The NJEIFP is offering up to 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 for up to 10 years to develop long-term control plans and begin construction;
- **More Frequent Bond Issuance** – The I-Bank issues long-term bonds twice per year allowing participants to regularly roll short-term construction loans into long-term financing;
- **Longer Loan Maturities** – The NJEIFP offers loan terms 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 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), is implementing an Asset Management Program (AMP) to maximize the return on investment of public funds.

**SFY2018 – Recap      107 Projects / \$438 million**

**Short-Term Loans – 63** projects received initial short-term financing totaling **\$394 million**.

*Note: Two of these loans bring the total SAIL loans issued to-date for Superstorm Sandy, to \$193.5 million representing eleven (11) projects for five (5) borrowers to address immediate cash flow needs in advance of federal disaster reimbursement grants.*

*SAIL borrowers benefit 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 29 days.*

**Long-Term Loans – 9** projects received long-term financing for the first time totaling **\$17.25 million**.

**Long-Term Rolls – 46** projects, previously funded with short-term loans, converted to long-term loans for **\$218.9 million**.

---

**Conclusion**

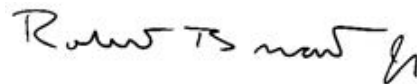
The I-Bank's upcoming **May Report** will set forth the Project Eligibility List of those projects eligible for long-term funding in SFY2020 and the plan by which those projects participating in the SFY2020 Financing and SAIL Programs will be funded.

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 NJEIFP's initiatives contained within this Report.

Thank you for your time and continued support.



Catherine R. McCabe  
Commissioner,  
NJ Department of Environmental Protection



Robert A. Briant, Jr.  
Vice-Chairman,  
NJ Infrastructure Bank

This page has been intentionally left blank

## TABLE OF CONTENTS

FINANCING PROGRAM BACKGROUND .....	1
Introduction .....	1
Goals.....	2
SFY2020 NJEIFP .....	2
Highlights.....	2
Financing Program Offerings.....	4
Short-Term Financing.....	5
Long-Term Financing.....	6
Specific Incentivized Programs.....	6
Disaster Relief Emergency Financing Program (SAIL).....	9
Eligible Projects / Borrowers.....	11
Borrower Benefits .....	11
Dollar Savings .....	12
Cash Flow Flexibility .....	13
Administrative .....	13
SFY2018 NJEIFP Summary.....	13
Projects.....	13
Long-Term Financing .....	13
Short-Term Loan Projects.....	14
SAIL Loans.....	14
Total SFY18 Projects .....	14
NJEIFP FINANCING PROGRAM STRATEGY.....	15
Priority System, Intended Use Plan (IUP), and Project Priority List.....	15
Base SFY2020 NJEIFP Loans.....	15

Priority System .....	15
Project Priority Lists.....	16
Eligible Project Activities.....	17
Clean Water .....	17
Clean Water Base SFY2020 NJEIFP Projects .....	17
Clean Water Sandy SFY2020 NJEIFP Projects .....	20
Drinking Water .....	21
Drinking Water Base SFY2020 NJEIFP Projects.....	21
Drinking Water Sandy SFY2020 NJEIFP Projects.....	23
Project Ranking Methodology.....	24
Clean Water Ranking Criteria (Base SFY2020 NJEIFP and Sandy NJEIFP).....	24
Drinking Water Ranking Criteria (Base SFY2020 NJEIFP) .....	32
Program Loan Terms and Conditions .....	38
APPENDICES INDEX .....	39

# JANUARY REPORT

## FOR STATE FISCAL YEAR 2020

### 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, 2019 (SFY2020)
- (ii) The NJEIFP's initial SFY2020 Interim Financing Program Project Priority List (Project Priority List) identifying projects to be considered for funding in SFY2020
- (iii) A third amended SFY2019 Project Priority List to amend the list of projects to be considered for funding in SFY2019
- (iv) A List of projects financed in the most recently completed fiscal year, SFY2018, 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.
- (v) A list of project applications under review for short-term loans pursuant to the Disaster Relief Emergency Financing Program (**SAIL**) for projects to improve resiliency in future natural disasters
- (vi) A comprehensive report on SAIL funded projects financed through December 31, 2018

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 SFY2020.

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 September 2018 the DEP issued proposed amendments to the SFY2019 DW Plan and proposed the SFY2020 DW Plan. In December 2018 the DEP issued proposed supplemental amendments to the SFY2019 DW and the proposed SFY2020 DW Plans and proposed the SFY2020

CW Plan. The proposed SFY2020 CW Plan and DW Plan for projects to be financed in SFY2020 were issued pursuant to the DEP's obligations under the CWA and SDWA. Those publications are largely summarized in this January Report.

## GOALS

The main objectives of the NJEIFP is to:

- Provide capital for water and wastewater infrastructure renewal 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.

## SFY2020 NJEIFP

---

### HIGHLIGHTS

The NJEIFP is continuing initiatives developed and enacted in recent years for SFY2020.

- 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 more 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:** 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 describes an Asset Management Plan (AMP). 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. **Lead Abatement:** The existence of lead service lines in aging drinking water infrastructure poses potential risk to public health which can be significantly reduced through the replacement of lead service lines. The NJEIFP offers funding for the replacement of lead pipes and lead components, including mains and service lines. Up to \$30 million is available in principal forgiveness for the Lead Service Line Replacement Program for water systems that have exceeded the lead action level and serve communities with a median household income less than the median household income for the county in which they are located. Lead service line replacement is eligible for financing at 90% principal forgiveness and the remaining 10% loan at zero interest. The proposed DW IUP caps project funding under this program at \$1, 5 or 10 million per water system (each water system has a unique identification number or PWSID)/per year based on the population served by the water system. Specifically,
- \$10M (\$9M principal forgiveness) for systems serving populations >100,000
  - \$5M (\$4.5M principal forgiveness) for systems serving populations >10,000
  - \$1M (\$900K principal forgiveness) for systems serving populations ≤10,000
  - The balance of financing will be provided at the applicable base rate.

Water systems that do not exceed the lead action level but want to replace lead pipes are eligible for NJEIFP base programs. The following criteria must be met for the project to be eligible for NJEIFP loans:

- Be able to document the presence of lead pipes and components

- Provide documentation through historic records that the lines to be replaced are lead. Acceptable records include information on the age of the houses and the high probability of lead lines and components being present, line installation records, etc.
  - Partial lead line replacements are not allowable.
- v. **Continued Transition to Short-Term Loans for Project Planning and Construction:** 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 market rate, depending upon the funding source, which directly reduces the cost of borrowing. 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. Recent legislative amendments expand the maturity terms for short-term loans issued for planning and construction under the Short-Term Loan Program. Allowing additional time for planning activities provides additional time for larger projects to complete construction within the short-term loan timeframe thus enabling them to fully benefit from the Short-Term Loan Program. The NJEIFP provides opportunities to convert short-term 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.
- vi. **Disaster Relief Emergency Loan Financing Program (aka SAIL):** Authorized in SFY2014, the I-Bank developed and implemented the Statewide Assistance Infrastructure Loan (SAIL) Program. 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.

---

## 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. In addition, special appropriations through the Disaster Relief Emergency Appropriations Act of 2013 (PL 2013-2) are utilized for Superstorm Sandy Loans.

---

## SHORT-TERM FINANCING

Short-Term 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. Legislative amendments in 2018 provide for extended terms of for short-term loans for project planning, engineering design and construction issued before or during the planning stage of a project (a “line of credit” loan). A line of credit 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. Short-Term Loans for Combined Sewer Overflow Long-Term Control Plans, recognized by the Financing Program, offer terms of up to ten (10) years.

Most borrowers are able to include the 1% DEP loan origination fee (50% of the total DEP loan origination fee) in their short-term loan. Short-Term 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 short-term 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 below.

Short-Term 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 limited to the approved planning and design costs. 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 SFY2020 Interim Financing Program Clean Water Project Priority List and the SFY2020 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 Short-Term Financing Program, long-term loans are largely mechanisms to refinance previously issued short-term loans for construction and P&D activities. With limited exception, all relevant Program terms and conditions are established at the time of issuance of short-term 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. Consistent with local finance law, Borrowers having short-term loans in excess of three years commence principal repayments in year 3, in an amount not less than 1/30<sup>th</sup> of the loan amount annually.

---

## 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. **Asset Management for Small Systems:** The NJEIFP will continue to offer 100% principal forgiveness to small drinking water and wastewater systems (those that serve 10,000 or fewer people) to develop and implement asset management programs. DEP expects to make SRF or non-SRF funds available in the form of principal forgiveness through the NJEIFP and cap the amount at \$100,000 per applicant. A total of approximately \$1.5 million in principal forgiveness funds is expected to be available for this purpose in SFY20. A capital improvement project is expected from the creation of the asset management program. Larger systems are eligible for short-term, interest-free loans, for AMP development with a capital improvement project. The Department reserves the right to use these funds to hire a contractor to provide technical services to small communities for asset management.
- ii. **Coastal Community Water Quality Restoration:** The NJEIFP will continue to offer up to 50% principal forgiveness for capital improvement projects that will eliminate, prevent or reduce occurrences of shellfish bed or beach closings due to the presence of pathogens. Projects would eliminate such potential sources as failing on-site wastewater systems and cross-connections between storm sewers and sanitary sewers. Project costs up to \$5 million would receive 50% principal forgiveness, 25% DEP interest-free, and 25% I-Bank market rate financing. Project costs exceeding \$5 million are eligible for

the Base CWSRF structure. \$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 Downe Township, limited to Fortescue and Gandys Beach. A total of \$5 million in principal forgiveness funds was reserved last year. Any amounts that remain unobligated at the end of SFY19, continue to be available for these purposes in SFY20.

- iii. **Green Infrastructure – CSO Sewershed:** The DEP is reserving funds and providing principal forgiveness loans for CSO abatement projects utilizing 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, 25% DEP interest free and 25% I-Bank market rate financing. A total of approximately \$12 million in principal forgiveness funds is anticipated to be available to provide principal forgiveness loans for CSO-Green Infrastructure in SFY20. There is a \$3 million cap of principal forgiveness per applicant in SFY20. Department funding at 75% with an interest free loan mixed with I-Bank funding at market rate will be provided for costs for project costs between \$6 million and \$10 million. Costs above \$10 million will be financed through the base CWSRF rate.
- iv. **Grey Infrastructure – CSO Sewershed:** The DEP is reserving funds and providing principal forgiveness loans for CSO abatement projects. Projects are eligible for up to 50% principal forgiveness, 25% DEP interest free and 25% I-Bank market rate financing. A total of approximately \$10 million in principal forgiveness funds is anticipated to be available for CSO abatement projects in SFY20. There is a \$1 million cap of principal forgiveness per applicant in SFY20. Department funding at 75% with an interest free loan mixed with I-Bank funding at market rate will be provided for costs for project costs between \$2 million and \$10 million. Costs above \$10 million will be financed through the base CWSRF rate.
- v. **Barnegat Bay:** Approximately \$6 million in principal forgiveness funds is reserved for stormwater and non-point source pollution management projects in the Barnegat Bay Watershed. 50% principal forgiveness will be offered with a \$2 million limit on principal forgiveness per sponsor and awarded on a first come basis. The remaining project amount will be financed equally with a DEP interest-free and I-Bank market rate financing.
- vi. **Sandy Relief:** Sandy Relief funds remain available for clean water facilities that were damaged by Superstorm Sandy and are constructing repairs or 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 SFY19, new submittals will be eligible under the Base SRF loan structure.
- vii. **Small Drinking Water Systems (NANO):** In addition to funds carried over from SFY2019, up to \$2 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 offering a 50% principal forgiveness loan. These loans are capped at \$1 million and feature an I-Bank to Fund loan ratio as follows: up to 50% (\$500,000) of eligible project costs are subject to principal forgiveness with monies provided by the DEP; 25% of funds are provided by the DEP at 0% interest and 25% of funds are provided by the I-Bank at the I-Bank's AAA-rated market rate. Additional financing is available at 50% DEP interest-free and 50% I-Bank market rate (publicly-owned) or 25% DEP interest-free and 75% I-Bank market rate (privately-owned) for amounts greater than the \$1 million cap. These projects are selected based on priority ranked order. 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 in the calendar year 2018 or later, 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)

viii. **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. Lead service line replacement projects will be funded in priority ranked order, with those water systems exceeding the action level receiving priority. Water systems that have exceeded the lead action level that serve communities with a weighted median household income (MHI) less than the MHI for the county in which they are located are eligible for DEP's lead line replacement program. MHI is calculated in accordance with <https://www.census.gov/quickfacts/NJ>. Loans will be offered as 90% principal forgiveness and 10% funding from the DEP at 0% interest. Project applicants are capped at \$1, 5 or 10 million per water system (each water system has a unique identification number or PWSID)/per year based on the population served by the water system. Specifically,

- \$10M (\$9M principal forgiveness) for systems serving populations >100,000
- \$5M (\$4.5M principal forgiveness) for systems serving populations >10,000
- \$1M (\$900K principal forgiveness) for systems serving populations ≤10,000

The balance of financing will be provided at the applicable base rate. The DEP has set aside \$30 million for principal forgiveness for lead service line replacement projects. Water systems that do not exceed the lead action level but want to replace lead pipes are eligible for NJEIFP base programs. The following criteria must be met for the project to be eligible for NJEIFP loans:

- Be able to document the presence of lead pipes and components
- Lead pipes and components are defined as containing at least 90% or more lead by weight.
- Provide documentation 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.
- Partial lead line replacements are not allowable.

- ix. **Small Water System Engineering Program:** 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. \$2 million is being made available for this program. 100% principal forgiveness loans will be available to those systems that are assisted by the Community Engineering Corps with a cap of \$500,000 per project.

---

#### DISASTER RELIEF EMERGENCY FINANCING PROGRAM (SAIL)

Disaster-related projects eligible for financing through the SAIL Program include a wide variety of waste water 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 3 full fiscal years. Currently SAIL Loans are funded at 0% interest rate but are offered at up to 25% 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 13, 2013 and amended and restated on December 13, 2013, 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, seventeen (17) SAIL projects, with an estimated cost of \$664.7 million, have expressed interest in SAIL financing, all of which are projects to improve the resiliency of waste water facilities adversely impacted during Superstorm Sandy. As of January 2019, five (5) have completed construction at an estimated project cost of \$41.1 million, six (6) are under construction at a total estimated project cost of \$262.7 million, and it is anticipated that the remaining six (6) projects will be awarded construction before the end of 2020.

SAIL participants also enjoy a number of unique benefits. Applicants enjoy an abbreviated application review period. Borrowers enjoy a streamlined FEMA reimbursement process: (1) the I-Bank provides funds to Borrowers to pay construction costs within an average of twenty nine (29) 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 SFY2020 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 15, 2018 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 91% 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:

---

## DOLLAR SAVINGS

- Funds Provided Interest Free during Construction – Currently, during the short-term loan period, Borrowers pay no interest on funds utilized;
- Interest Cost Savings – In SFY2019, the majority of program borrowers receive 75% of their long-term financing from the DEP at 0% 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 SFY2020 Program where borrowers will receive 50% of their long-term financing from the DEP at 0% and 50% of funds from the I-Bank at the I-Bank’s AAA market rate (privately-owned water systems will receive 25% zero interest and 75% at the I-Bank’s AAA market rate loans), 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 \$158 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.

---

## 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 a I-Bank-only loan; and
- Flexible Term - Shorter term financing is available for Borrowers who wish to minimize the repayment period of their loan.

---

## 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.

## SFY2018 NJEIFP SUMMARY

---

### PROJECTS

---

#### LONG-TERM FINANCING

**Bond Pool Projects:** A total of **forty (40)** borrowers representing **fifty-five (55)** clean water and drinking water projects received long-term NJEIFP financing in the amount of **\$236,128,547** in SFY2018. 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 market rate.

---

## SHORT-TERM LOAN PROJECTS

In the SFY2018 Financing Program, **forty-one (41)** borrowers representing **sixty-three (63)** clean water and drinking water projects received short term construction loans in the amount of \$394,017,540. Eleven of these forty borrowers received long-term financing by June 30, 2018.

---

## SAIL LOANS

Among the short-term construction loans are **two (2)** disaster emergency SAIL Program loans issued by the I-Bank in SFY2018 to finance Superstorm Sandy-related rebuild and resiliency projects in a project operable segment amount equal to **\$3,695,505**:

- **Two Passaic Valley Sewerage Commission** loans: 1) \$478,251 for the relocation of sump pumps to ensure continued operation should in the event of flooding conditions and 2) for the replacement and relocation of electrical switchgear and motor control centers throughout the plant that were damaged from Superstorm Sandy flooding in the amount of \$3,217,254.

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.

---

## TOTAL SFY18 PROJECTS

**In SFY2018, 107 projects received funding through short-term and/or long-term loans totaling approximately \$438.62 million.**

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

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

#### BASE SFY2020 NJEIFP LOANS

The CW Plan and DW Plan 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 SFY. The proposed CW and DW Plans for SFY2020 were published in the Fall 2018. Supplemental amendments to the proposed DW Plan for SFY2020 were published in December 2018. This Report, in part, reflects the contents of the proposed CW Plans and amended proposed DW Plan for both the SFY2020 Base and Sandy Financing Programs.

Sources of funding for Superstorm Sandy projects for FFY2019/SFY2020 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 and DWSRF funds in the SFY2019 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 and DWSRF Program, which generally includes a principal forgiveness component of approximately 19% of the allowable costs. If all the Sandy CWSRF and DWSRF funds are awarded in SFY2019, new application submittals will still be eligible for financing under the Base Loan Program's loan structure.

Consistent with the SFY2019 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.

#### PRIORITY SYSTEM

A single priority system is utilized for both the CW-Base SFY2020 and CW-Sandy Financing Programs. However, two separate priority systems were utilized for each the DW-Base SFY2019 and DW-Sandy Financing Programs. The CW Plan and DW Plans 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 Plans 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 SFY2020 Base Financing Program priority system is based on criteria pertaining to compliance, public health, approved water supply plan/studies, state designations, affordability, and population. Project ranking within the DW Sandy Financing Program priority system was based on criteria pertaining to projects relating to Superstorm Sandy resiliency affordability, and population. The current priority system ranking methodology used for ranking CW and DW projects is *set forth below.*

---

## 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.<sup>2</sup>

A Project is then eligible for a short-term loan upon the publication 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 SFY2020 Financing Program and their relative rank are set forth in the SFY2020 Project Priority List.

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 amended 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 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 SFY2020 Base Financing Program and Sandy Financing Program include a pool of four hundred five (405) Clean Water and Drinking Water projects at a total estimated cost of \$3.95 billion. The SFY2020 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 SFY2020 NJEIFP and Superstorm Sandy financing programs and consists of two hundred and forty-nine (249) Clean Water projects at a total estimated cost of \$2,953,441,875. The SFY2020 Drinking Water Interim Financing Program Project Priority List *set forth in Appendix B* includes projects eligible for financing pursuant to the SFY2020 Drinking Water Financing Program and Superstorm Sandy Financing Program and consists of one hundred and fifty-six (156) Drinking Water projects at a total estimated cost of \$996,534,728.

The preliminary 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. The details of a project can change as the plans and designs are finalized. Any such change will not impact the intended end result for which the project was proposed. Moreover, the project cost is based on preliminary engineering estimates (as

---

<sup>2</sup> 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. Finally, applicants routinely defer or withdraw projects from funding for myriad business reasons.

opposed to actual construction bids). As such, the project type descriptions and loan amounts should be relied upon only for general information.

Also, included in this Report is the third amended SFY2019 Clean Water Interim Financing Program Project Priority List, and the third amended SFY2019 Drinking Water Interim Financing Program Project Priority List pursuant to N.J.S.A. 58:11B-9(d) which are set forth in Appendices A and B respectively. The first amended SFY2019 Project Priority List was submitted to the legislature on August 10, 2018 and the second amended SFY2019 Project Priority List was submitted October 26, 2018.

## ELIGIBLE PROJECT ACTIVITIES

### CLEAN WATER

Base SFY2020 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. SFY2020 and Sandy NJEIFP Loans are also subject to the availability of funds.

### CLEAN WATER BASE SFY2020 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.

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

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 or repaid within three years. 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.

---

## CLEAN WATER SANDY SFY2020 NJEIFP PROJECTS

Although NJEIFP staff is working to award all of the Sandy CWSRF funds in the SFY19 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 SFY2020, 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.

---

## DRINKING WATER

---

### DRINKING WATER BASE SFY2020 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 meter 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: [www.epa.gov/reg3wapd/infrastructure/gpr.htm](http://www.epa.gov/reg3wapd/infrastructure/gpr.htm).

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 are offered at 50% as principal forgiveness, 25% DEP interest-free, and 25% I-Bank market rate. Projects are capped at \$1 million. Additional financing is available at 50% DEP interest-free and 50% I-Bank market rate (publicly-owned) or 25% DEP interest-free and 75% I-Bank market rate (privately-owned) for amounts greater than the \$1 million cap. These projects are selected based on priority ranked order.

---

## DRINKING WATER SANDY SFY2020 NJEIFP PROJECTS

Superstorm Sandy NJEIFP Loans are only available to facilities that were adversely impacted by the storm, including physical damage, loss of power, loss/interruption of mission essential services, etc. for projects that:

- Reduce the likelihood of physical damage to a treatment works or drinking water system;
- Reduce a treatment works' or water system's susceptibility to physical damage or ancillary impacts caused by floods;

- Facilitate preparation for, adaptation to, or recovery from a sudden, unplanned change in the amount of and movement of water in proximity to a treatment works or water system; or,
- Facilitate preparation for, adaptation to, or recovery from climate change or any other type of natural disaster.

In addition, Executive Order 11988 (President Ford) on floodplain management requires that federal agencies use the best available flood data to determine the location of projects and activities. Project sponsors will be required to use the best available flood hazard data identified by the Federal Emergency Management Agency (FEMA), where applicable, to guide decision-making.

## PROJECT RANKING METHODOLOGY

### CLEAN WATER RANKING CRITERIA (BASE SFY2020 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 on the project's rank, the amount of available funds, and compliance with the Program's requirements and deadlines 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 Barnegat Bay. To support these efforts to improve the water quality of the Bay, the project ranking methodology for the SFY2020 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.

**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 SFY2020 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, sustainability harvested or produced locally; improve indoor air quality; and makes appropriate site selection and minimizes site disturbance to reduce environmental impacts.

ii. **Project Discharge Category Points:**

<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.	600

	Also included are projects that implement corrective measures to fix overloaded conveyance systems that experience chronic overflows.	
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.

Table II. Ranking Points Related to Water Use (Existing and Potential)			
Water Use		Basis/Description	Points
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.

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

Table IV. Ranking Points Related to State Planning Commission Approvals	
Community Type	Points
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 I** and within the regional planning entity areas described below.

## **Table I**

### **Growth Areas:**

- Former State Plan Policy Map Metropolitan Planning Areas (PA 1) and Nodes
- 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
- Municipally Designated Transfer of Development Rights "Receiving Areas"
- Municipally Designated "Urban Enterprise Zones"
- Municipally Designated "Areas in Need of Redevelopment" or "Areas in Need of Rehabilitation"
- Approved "Foreign Trade Zones"
- Land within Higher Education Campuses suitable for development / redevelopment
- NJDOT Certified Transit Villages
- "Urban Transit Hubs" as defined by EDA's Urban Transit Hub Tax Credit Program
- Land owned by the New Jersey Sports and Exposition Authority
- 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 I**; 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 SFY2020 CW program continues the project prioritization methodology first utilized in SFY2015. CW projects are prioritized for funding based on the following criteria. Funds available at the time of project approval (authorization to award a final construction contract), will be allocated to the approved project.

**a. 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.

**b. 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.

**c. Current Year Project Submissions**

---

## DRINKING WATER RANKING CRITERIA (BASE SFY2020 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.

**Table I** of Category (i) lists the types of projects 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. Unregulated contaminants (contaminants of emerging concerns);
5. Small Systems serving less than 10,000 persons, up to 15 % of DWSRF Funds;
6. Projects that have secured federal/non-profit grants to be leveraged with SRF funding,
7. 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>3</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. <sup>4</sup>	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

<sup>3</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).

<sup>4</sup> Drinking Water Priority Project Element No. 5 for unregulated contaminants (contaminants of emerging concerns) was included in the Drinking Water Project Ranking Methodology in the Department’s SFY2019 Intended Use Plan but inadvertently left out of the SFY2019 January Report.

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.	Existing treatment facilities that need to be rehabilitated, replaced, or repaired to ensure compliance with the SDWA.	100
13.	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
14.	Existing pump stations or finished water storage facilities that need to be rehabilitated or replaced to maintain compliance with the SDWA.	60
15.	New finished water storage facilities or pump stations that are needed to maintain pressure in the system and/or prevent contamination.	50
16.	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
17.	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
18.	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
19.	Installation of new water meters and/or other water conservation devices, including but not limited to retrofit plumbing fixtures.	35
20.	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
21.	Replacement of water meters.	25
22.	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
23.	Other project elements, not including items 1 through 21 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.

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.

[https://factfinder.census.gov/bkmk/table/1.0/en/ACS/10\\_5YR/DP03/0400000US34.06000](https://factfinder.census.gov/bkmk/table/1.0/en/ACS/10_5YR/DP03/0400000US34.06000)

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 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.

<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><i>TOTAL</i></b>		<b><i>30,000</i></b>	<b><i>1.00</i></b>	<b><i>24,160</i></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. **Other Ranking Considerations:**

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) Unregulated contaminants (contaminants of emerging concerns), (v) Small Systems serving less than 10,000 persons, up to 15 % of DWSRF Funds, (vi) Projects that have secured federal/non-profit grants to be leveraged with SRF funding, (vii) 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. 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.

---

## 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, 2019 in accordance with terms of the I-Bank Enabling Act.

## APPENDICES INDEX

- Appendix A:** Clean Water Combined Base SFY2020 / Superstorm Sandy Interim Financing Program Project Priority List, Updated Statewide Assistance Infrastructure Loan Program (Disaster Relief Emergency Financing Program) Project Priority List and Third Amended SFY2019 Clean Water Interim Financing Program Project Priority List
- Appendix B:** Drinking Water Combined Base SFY2020 / Superstorm Sandy Interim Financing Program Project Priority List and Third Amended SFY2019 Drinking Water Interim 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 2018 Financing Program Summary

**Appendix A-1  
Clean Water (by Alphabetical Order)**

Combined Base SFY2020/Superstorm Sandy Interim Clean Water Financing Program  
Disaster Relief Emergency Financing (Statewide Assistance Infrastructure Loan (SAIL)) Program  
Third Amended SFY2019 Clean Water Interim Financing Program  
Project Priority Lists

**KEY:** **Red/italics** = SAIL Program (Disaster Relief projects)  
**Blue** = Project formerly appeared on Drinking Water list  
**Green** = New projects or increases in project costs since the Second Amended SFY2019 Interim Financing Program Project Priority List are identified

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
<b>Supplemental Loans</b>					
	Burlington Township	S340712-14-1	Sewer Rehabilitation	\$ 200,000	\$ 200,000
	North Hudson Sewer Authority	S340952-19-1	Combined Sewer Improvements	\$ 700,000	\$ 700,000
	Warren Township Sewer Authority	S340964-02-1	Fox Hill West & Heather Lane Pump Station	\$ 350,000	\$ 350,000
	<b>Supplemental Loans: #</b>	<b>3</b>	<b>Subtotal:</b>	<b>\$ 1,250,000</b>	<b>\$ 1,250,000</b>

<b>Base Program &amp; Superstorm SANDY Projects</b>					
722	Aberdeen Township	S340869-02	Sanitary Sewer and PS Upgrades	\$ 9,000,000	\$ 9,000,000
217	Allentown Borough	S340567-05	Sewer Plant Modifications	\$ 3,112,994	\$ 3,112,994
899	Allentown Borough	S340567-06	Water Meter Replacement	\$ 664,938	\$ 664,938
988	Asbury Park City	S340883-08	Sewer Plant	\$ 63,000,000	\$ 63,000,000
347	Atlantic County Utilities Authority	S340809-24	Pump Station Resiliency	\$ 800,000	\$ 800,000
580	Atlantic County Utilities Authority	S340809-28	Sewer Sludge Incinerator Improvements	\$ 4,100,000	\$ 4,100,000
347	Atlantic County Utilities Authority	S340809-29	Replace a portion of Brigantine Force Main	\$ 4,300,000	\$ 4,300,000
60	Bayonne City	S340399-31	<b>CSO</b> - Stormwater Management Facilities and Park Improvements	\$ 1,618,539	\$ 1,618,539
<b>76</b>	<b>Bayshore Regional Sewer Authority</b>	<b>S340697-06</b>	<b>Restoration / Mitigation of Blower Bldg. &amp; Power Distribution System (SAIL)</b>	<b>\$ 15,100,000</b>	<b>\$ 15,100,000</b>
173	Beach Haven Borough	S344220-01	<b>Barneгат Bay</b> - Stormwater Pump replacement and drainage	\$ 2,038,640	\$ 2,038,640
910	Bellmawr Borough	S342011-02	Waterfront Development Remediation	\$ 68,400,000	\$ 68,400,000
183	Bergen County Utilities Authority	S340386-24	Tank Header Improvements	\$ 1,950,000	\$ 1,950,000
183	Bergen County Utilities Authority	S340386-23	Sludge Digester Improvements	\$ 17,820,000	\$ 17,820,000
189	Bergen County Utilities Authority	S340386-14	All offsite mitigation improvements	\$ 54,172,587	\$ 54,172,587
189	Bergen County Utilities Authority	S340386-15	Power Supply mitigation improvements	\$ 42,094,280	\$ 42,094,280

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
189	Bergen County Utilities Authority	S340386-16	All Plant wide mitigation improvements	\$ 19,537,263	\$ 19,537,263
189	Bergen County Utilities Authority	S340386-18	Pump Station Resiliency Project	\$ 2,491,339	\$ 2,491,339
183	Bergen County Utilities Authority	S340386-19	Infrastructure Protection Improvements	\$ 3,240,000	\$ 3,240,000
183	Bergen County Utilities Authority	S340386-20	Primary Settling Tanks Improvements	\$ 9,000,000	\$ 9,000,000
183	Bergen County Utilities Authority	S340386-21	Final Settling Tanks Improvements	\$ 1,920,000	\$ 1,920,000
183	Bergen County Utilities Authority	S340386-22	Facility Assessment and Improvements	\$ 5,690,000	\$ 5,690,000
215	Berkeley Township	S344020-02	<b>Barneгат Bay</b> - Water Quality Retention Basin at Moorage Park	\$ 905,063	\$ 905,063
790	Berkeley Township	S340969-12	Stormwater/Equipment	\$ 706,150	\$ 706,150
530	Bradley Beach Borough	S340472-01	Sewer Main Installation and Repairs - Phase I	\$ 2,700,000	\$ 2,700,000
865	Bradley Beach Borough	S340472-02	Bradley Boulevard Stormwater Rehab	\$ 2,590,050	\$ 2,590,050
368	Brick Township Municipal Utilities Authority	S340448-11	Wastewater Pump Station Rehabilitation - Phase II	\$ 5,278,297	\$ 5,278,297
368	Brick Township Municipal Utilities Authority	S340448-12	Sanitary Sewer Manhole Rehabilitation and Replacement	\$ 4,824,000	\$ 4,824,000
484	Brigantine City	S340827-04	Emergency Generators ( <b>SANDY</b> )	\$ 3,300,000	\$ 3,300,000
830	Brigantine City	S340827-05	Flood Control and Pump Station Improvements ( <b>SANDY</b> )	\$ 4,600,000	\$ 4,600,000
830	Brigantine City	S340827-06	Municipal System Improvements	\$ 1,001,066	\$ 1,001,066
428	Burlington Township	S340712-16	Sanitary Sewer Rehabilitation	\$ 960,000	\$ 960,000
29	Camden City	S340366-07	<b>CSO</b> - 2014 Sanitary/Combined Sewer Rehab / Replacement Project	\$ 59,000,000	\$ 59,000,000
29	Camden City	S340366-12	<b>CSO</b> - Cooper Street Pump Station	\$ 2,300,000	\$ 2,300,000
29	Camden City	S340366-13	<b>CSO</b> - Rehabilitation of Arch Street Pump Station	\$ 12,000,000	\$ 12,000,000
29	Camden City	S340366-14	<b>CSO</b> - Rehabilitation of Ten (10) Combined Sewer Outfalls.	\$ 9,370,000	\$ 9,370,000
29	Camden City	S340366-15	<b>CSO</b> - Rehabilitation of Combined Sewer Outfalls and Regulator Chambers	\$ 13,330,000	\$ 13,330,000
693	Camden City	S340366-16	New Auto Meter Reading Equip for entire City (FKA DW)	\$ 1,800,000	\$ 1,800,000
59	Camden County Municipal Utilities Authority	S340640-13	Delaware #1 Pump Upgrades	\$ 12,800,000	\$ 12,800,000
21	Camden County Municipal Utilities Authority	S340640-16	<b>CSO</b> - Wastewater Treatment Plant Improvements	\$ 13,300,000	\$ 13,300,000
5	Camden County Municipal Utilities Authority	S340640-17	<b>CSO</b> - Green & Gray Infrastructure	\$ 3,500,000	\$ 3,500,000
35	Camden County Municipal Utilities Authority	S340640-18	Phase I upgrades, improve/sustain optimal wastewater performance ( <b>SANDY</b> )	\$ 84,030,000	\$ 84,030,000
2	Camden County Municipal Utilities Authority	S340640-19	<b>CSO</b> - Camden City Green and Grey Infrastructure Project, Phase 4	\$ 11,500,000	\$ 11,500,000
4	Camden County Municipal Utilities Authority	S340640-20	<b>CSO</b> - Camden City Green Infrastructure	\$ 6,500,000	\$ 6,500,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
13	Camden County Municipal Utilities Authority	S340640-21	CSO - Camden City Waterfront Stormwater Pumping Station	\$ 32,500,000	\$ 32,500,000
13	Camden County Municipal Utilities Authority	S340640-22	CSO - Upgrades to Camden City's Combined Sewer Overflow System	\$ 13,000,000	\$ 13,000,000
23	Camden County Municipal Utilities Authority	S340640-23	CSO - Dredging Of Camden City's Combined Sewer Overflows To Reduce Combined Sewage Flooding	\$ 4,200,000	\$ 4,200,000
6	Camden County Municipal Utilities Authority	S340640-24	CSO - Upgrade of Camden County Wastewater Treatment Plant to Increase Wet Weather Capacity	\$ 6,500,000	\$ 6,500,000
666	Camden County Municipal Utilities Authority	S340640-26	Newton Creek Dredging and Erosion Control	\$ 26,600,000	\$ 26,600,000
6	Camden County Municipal Utilities Authority	S345040-01	CSO - Camden City and Gloucester City Long Term CSO Control Plan	\$ 1,049,636	\$ 1,049,636
993	Camden County PCFA	S342025-01	Pennsauken Sanitary Landfill Expansion and Liner Enhancement Project	\$ 14,060,804	\$ 14,060,804
495	Carneys Point Sewerage Authority	S340502-08	Lafayette Road Sanitary Sewer	\$ 1,057,203	\$ 1,057,203
69	Carneys Point Sewerage Authority	S340502-09	UV Disinfection & Filter System Improvements	\$ 1,497,445	\$ 1,497,445
268	Chatham (MCJM) Borough	S340715-06	Facility Improvements 2018	\$ 3,000,000	\$ 3,000,000
95	Cliffside Park Borough	S340847-04	CSO - Combined Sewer Separation	\$ 5,300,000	\$ 5,300,000
760	Cranford Township	S340858-04	Stormwater constr. various locations to improve drainage/prevent flooding	\$ 12,000,000	\$ 12,000,000
746	Cumberland County	S340438-03	Downe Township Fortescue Package Plant	\$ 17,000,000	\$ 17,000,000
321	Delran Township	S340794-10	Clay Street Pump Station	\$ 2,100,000	\$ 2,100,000
766	Dunellen Borough	S340916-03	Flood Mitigation Project	\$ 2,599,998	\$ 2,599,998
695	East Orange City	S340843-02	Water System Improvement and Resiliency Project 2017 (FKA DW)	\$ 6,840,000	\$ 6,840,000
399	Egg Harbor Township Municipal Utilities Authority	S340753-06	FAA Pump Station Reconstruction	\$ 700,000	\$ 700,000
55	Elizabeth City	S340942-13	CSO - Western Interceptor Modifications	\$ 13,146,000	\$ 13,146,000
55	Elizabeth City	S340942-17	CSO - South Street Flood Control Project (SANDY)	\$ 6,500,000	\$ 6,500,000
34	Elizabeth City	S340942-19	Trumbull Street Flood Control Project	\$ 7,700,000	\$ 7,700,000
55	Elizabeth City	S345070-01	CSO - City of Elizabeth Combined Sewer Overflow Long Term Control Plan	\$ 4,000,001	\$ 4,000,001
507	Emerson Borough	S340497-01	Small System Asset Management Plan	\$ 100,000	\$ 100,000
789	Evesham Municipal Utilities Authority	S340838-06	Elmwood WWTP Storage Building	\$ 2,500,000	\$ 2,500,000
398	Evesham Municipal Utilities Authority	S340838-07	Sewer System Improvements	\$ 1,600,000	\$ 1,600,000
382	Franklin Township Sewerage Authority	S340839-07	Foxwood Drive Area - South Crossing I&I Reduction	\$ 2,500,000	\$ 2,500,000
382	Franklin Township Sewerage Authority	S340839-08	Hamilton St. Pumping Station	\$ 4,200,000	\$ 4,200,000
500	Glen Ridge Borough	S340861-03	Sewer Cleaning Truck	\$ 445,849	\$ 445,849

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
500	Glen Ridge Borough	S340861-04	Sanitary Sewer Rehab & Collection System Asset Management Plan	\$ 1,856,145.00	\$ 1,856,145.00
196	Gloucester City	S345090-01	CSO - Combined Sewer Overflow Asset Management Plan	\$ 1,000,000	\$ 1,000,000
182	Gloucester City	S340958-08	CSO - Various Sewer Projects	\$ 2,100,000	\$ 2,100,000
995	Gloucester County Improvement Authority	S342016-03	Cell 14 Construction	\$ 13,893,240	\$ 13,893,240
211	Gloucester County Utilities Authority	S340902-15	Combined Heat & Power	\$ 7,250,000	\$ 7,250,000
570	Gloucester County Utilities Authority	S340902-17	Sludge Drying System	\$ 10,000,000	\$ 10,000,000
783	Gloucester Township	S340364-11	Flood Mitigation (SANDY)	\$ 950,000	\$ 950,000
783	Gloucester Township	S340364-15	Gloucester Township Stormwater Improvements	\$ 1,450,000	\$ 1,450,000
131	Hackensack City	S340923-12	CSO - Combined Sewer Separation, Phase 2	\$ 6,000,000	\$ 6,000,000
502	Haddon Heights Borough	S340877-02	Sanitary Sewer System Asset Management Plan	\$ 100,000	\$ 100,000
855	Highlands Borough	S340901-03	Stormwater System Improvements (Current Project)	\$ 6,250,000	\$ 6,250,000
88	Hoboken City	S340635-06	CSO - Acquisition, Remediation, & Construction on 6 Acre Park & Outfall (SANDY)	\$ 60,000,000	\$ 60,000,000
88	Hoboken City	S340635-07	CSO - Resilient Green Infrastructure for CSO Reduction	\$ 5,000,000	\$ 5,000,000
39	Hoboken City	S340635-08	CSO - Southwest Resiliency Park - Acquisition, Rehabilitation	\$ 6,600,000	\$ 6,600,000
88	Hoboken City	S340635-09	ROW Green Infrastructure adjacent to water Mains	\$ 500,000	\$ 500,000
242	Howell Township	S344040-02	Barnegat Bay - Freewood Acres & Route 9 Sanitary Sewer Extension	\$ 14,680,000	\$ 14,680,000
101	Jersey City	S340928-30	CSO - Street Cleaning Equipment	\$ 2,711,000	\$ 2,711,000
46	Jersey City Municipal Utilities Authority	S340928-15	CSO - Phase 3 & 4 Sewer Improvements (SANDY)	\$ 41,000,000	\$ 41,000,000
46	Jersey City Municipal Utilities Authority	S340928-16	CSO - Sixth Street Combined Sewer Outfall (SANDY)	\$ 9,500,000	\$ 9,500,000
46	Jersey City Municipal Utilities Authority	S340928-17	CSO - Regulator, Outfall and Solid Flow (SANDY)	\$ 14,160,000	\$ 14,160,000
46	Jersey City Municipal Utilities Authority	S340928-18	CSO - Claremont Carteret outfall replacement (SANDY)	\$ 5,600,000	\$ 5,600,000
46	Jersey City Municipal Utilities Authority	S340928-20	CSO - Outfall Chambers (SANDY)	\$ 7,200,000	\$ 7,200,000
175	Jersey City Municipal Utilities Authority	S340928-21	CSO - Sewer Pipe Replacement / Phase V CSO Study	\$ 12,000,000	\$ 12,000,000
128	Jersey City Municipal Utilities Authority	S340928-23	CSO - 3 Pump Stations Flood Hardening Improvements	\$ 1,846,000	\$ 1,846,000
128	Jersey City Municipal Utilities Authority	S340928-24	CSO - Phase 1/2 Sewer Rehabilitation	\$ 22,200,000	\$ 22,200,000
128	Jersey City Municipal Utilities Authority	S340928-27	CSO - Green Infrastructure- Martin Luther King Drive Tree Trenches	\$ 500,000	\$ 500,000
175	Jersey City Municipal Utilities Authority	S340928-28	CSO - Van Winkle Ave. San. Sewer Rehab.	\$ 2,700,000	\$ 2,700,000
175	Jersey City Municipal Utilities Authority	S340928-29	CSO - Carteret Ave. Sewer Replacement	\$ 15,360,000	\$ 15,360,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
175	Jersey City Municipal Utilities Authority	S340928-31	CSO - 54 inch JCMUA/PVSC FORCEMAIN REPAIR	\$ 11,059,600	\$ 11,059,600
685	Jersey City Municipal Utilities Authority	S340928-32	Remote Meter Reading (AMI) (FKA DW)	\$ 9,300,000	\$ 9,300,000
175	Jersey City Municipal Utilities Authority	S340928-34	Sanitary Sewer Main Rehabilitation/Lining	\$ 1,181,180	\$ 1,181,180
907	Jersey City Redevelopment Agency	S340928-25	Jersey Avenue Park Redevelopment Plan - Phase 1/2	\$ 14,069,063	\$ 14,069,063
907	Jersey City Redevelopment Agency	S340928-26	Jersey Avenue Park Redevelopment Plan - Phase 2	\$ 12,600,000	\$ 12,600,000
230	JMEUC - East Orange City	S340686-09a	Capital Improvements Projects 2019	\$ 620,504	\$ 620,504
230	JMEUC - Elizabeth City	S340686-09b	Capital Improvements Projects 2019	\$ 6,505,876	\$ 6,505,876
230	JMEUC - Hillside Township	S340686-09c	Capital Improvements Projects 2019	\$ 908,430	\$ 908,430
230	JMEUC - Irvington Township	S340686-09d	Capital Improvements Projects 2019	\$ 2,252,347	\$ 2,252,347
230	JMEUC - Newark City	S340686-09e	Capital Improvements Projects 2019	\$ 1,363,042	\$ 1,363,042
230	JMEUC - South Orange Village Township	S340686-09f	Capital Improvements Projects 2019	\$ 650,806	\$ 650,806
230	JMEUC - Summit City	S340686-09g	Capital Improvements Projects 2019	\$ 1,186,322	\$ 1,186,322
230	JMEUC - Union Township	S340686-09h	Capital Improvements Projects 2019	\$ 2,449,335	\$ 2,449,335
230	JMEUC - West Orange Township	S340686-09i	Capital Improvements Projects 2019	\$ 1,585,429	\$ 1,585,429
291	Kearny Municipal Utilities Authority	S340259-07	Pump Station Rehabilitation (SAIL)	\$ 6,500,000	\$ 6,500,000
291	Kearny Municipal Utilities Authority	S340259-14	PS Grit Collector Replacement /Central & Pennsylvania Ave Sewer Rehab	\$ 1,582,000.00	\$ 1,582,000.00
63	Kearny Town	S340259-11	CSO - Dukes St Stormwater Pump Station	\$ 17,000,000	\$ 17,000,000
978	Kearny Town	S340259-12	Redev of recreational complex as a modern artificial turf complex	\$ 21,500,000	\$ 21,500,000
691	Lakewood Township Municipal Utilities Authority	S340465-02	Gravity Sewer Line Installation	\$ 4,320,000	\$ 4,320,000
281	Lakewood Township Municipal Utilities Authority	S340465-03	Administration Building Addition (FKA DW)	\$ 1,440,000	\$ 1,440,000
319	Little Egg Harbor Municipal Utilities Authority	S340579-03	Little Egg Harbor Sewer Main Replacement	\$ 7,700,000	\$ 7,700,000
751	Little Egg Harbor Township	S340579-04	Mystic Island Drainage Improvements - Phase 2	\$ 1,714,000	\$ 1,714,000
252	Little Egg Harbor Township	S344060-02	Barneget Bay - Twin Lakes Blvd. Drainage Improvements	\$ 4,250,000	\$ 4,250,000
181	Logan Township Municipal Utilities Authority	S340123-02	Effluent Force Main Replacement Project	\$ 9,948,000	\$ 9,948,000
542	Long Beach Township	S340023-07	Sewer Main Replacement	\$ 4,600,000	\$ 4,600,000
269	Madison (MCJM) Borough	S340715-07	Facility Improvements 2018	\$ 5,000,000	\$ 5,000,000
895	Manchester Township	S340650-08	Install automated meters (FKA DW)	\$ 3,000,000	\$ 3,000,000
594	Manasquan Borough	S340450-02	Stockton Lake Bulkhead and Stormwater Management	\$ 4,505,800	\$ 4,505,800
315	Manasquan River Regional Sewerage Authority	S340911-03	Equipment Replacement	\$ 660,000	\$ 660,000
705	Marlboro Township	S340268-02	Harbor Rd. Wastewater Pump Station	\$ 964,250	\$ 964,250

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
533	Medford Lakes Borough	S340319-03	Collection System Lining Improvements	\$ 11,000,000	\$ 11,000,000
464	Middlesex Borough	S340698-02	Sanitary Sewer Main Improvements	\$ 2,568,750	\$ 2,568,750
337	Middlesex County Utilities Authority	S340699-12	Restoration and Flood Mitigation (SAIL)	\$ 93,000,000	\$ 93,000,000
337	Middlesex County Utilities Authority	S340699-13	Restoration and Flood Mitigation (SAIL)	\$ 40,000,000	\$ 40,000,000
337	Middlesex County Utilities Authority	S340699-14	Main Truck Sewer Rehab Phase II	\$ 10,700,000	\$ 10,700,000
1007	Milltown Borough	S340102-01	Milltown Ford Ave Redevelopment	\$ 21,000,000	\$ 21,000,000
1007	Milltown Borough	S340102-04	Ford Avenue Redevelopment	\$ 5,500,000	\$ 5,500,000
344	Monmouth County Bayshore Outfall Authority	S340325-04	Force Main Assessment and Rehabilitation	\$ 3,000,000	\$ 3,000,000
404	Montclair Township	S340837-03	Sanitary Sewer Collection System Rehabilitation-SFY 2016	\$ 1,700,000	\$ 1,700,000
331	Montclair Township	S340837-04	Sanitary Sewers refurbishment 2017	\$ 1,700,000	\$ 1,700,000
524	Mount Arlington Borough	S340451-05	Wastewater System Asset Management Plan	\$ 212,785	\$ 212,785
93	Mount Laurel Township Municipal Utilities Authority	S340943-06	Sewer System Improvement Project (Bundle 1)	\$ 5,900,000	\$ 5,900,000
767	New Jersey Water Supply Authority	S340421-01	D&R Canal Dredging	\$ 56,800,000	\$ 56,800,000
282	New Jersey Water Supply Authority	S340421-02	Round Valley Reservoir Structures Refurbishment and Resource Preservation	\$ 82,822,000	\$ 82,822,000
282	New Jersey Water Supply Authority	S340421-03	Round Valley Reservoir Structures Refurbishment and Resource Preservation	\$ 82,822,000	\$ 82,822,000
23	Newark City	S340815-24	CSO - Structural evaluation & rehab of 350 miles of small diameter sewers	\$ 21,000,000	\$ 21,000,000
17	Newark City	S340815-25	CSO - Green Infrastructure for the Sewer System	\$ 400,000	\$ 400,000
23	Newark City	S340815-26	CSO - Improvements to the Peddie Combined Sewer Overflow	\$ 3,300,000	\$ 3,300,000
17	Newark City	S340815-27	CSO - Greenstreet Projects for the City of Newark	\$ 3,800,000	\$ 3,800,000
37	North Bergen Municipal Utilities Authority	S340652-14	CSO - Woodcliff Additional Improvements	\$ 23,000,000	\$ 23,000,000
493	North Haledon Borough	S340229-02	Small System Asset Management Plan	\$ 100,000	\$ 100,000
102	North Hudson Sewer Authority	S340952-22	CSO - W1234 Solids/Floatables	\$ 18,000,000	\$ 18,000,000
102	North Hudson Sewer Authority	S340952-23	Phase II Sanitary Sewer System Upgrades	\$ 3,100,000	\$ 3,100,000
111	North Hudson Sewer Authority	S340952-30	CSO - 2017 Adams Street Wastewater Treatment Plant Improvements	\$ 23,200,000	\$ 23,200,000
111	North Hudson Sewer Authority	S340952-31	Green Infrastructure	\$ 547,350	\$ 547,350
111	North Hudson Sewer Authority	S345190-01	CSO - Combined Sewer Long Term Control Plan	\$ 6,000,000	\$ 6,000,000
224	North Wildwood City	S340663-07	Street and Utility Reconstruction - Sewer (SANDY)	\$ 32,872,570	\$ 32,872,570
590	North Wildwood City	S340663-08	Street and Utility Reconstruction - Stormwater (SANDY)	\$ 32,872,570	\$ 32,872,570

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
488	Northfield City	S340508-01	Davis Avenue Pump Station Upgrade	\$ 270,000	\$ 270,000
370	Northwest Bergen County Utilities Authority	S340700-14	Midland Park Force Main Installation	\$ 3,694,000	\$ 3,694,000
370	Northwest Bergen County Utilities Authority	S340700-15	Wastewater Pump Station Improvements	\$ 7,000,000	\$ 7,000,000
167	Northwest Bergen County Utilities Authority	S340700-16	Wastewater Treatment Plant Improvements	\$ 4,900,000	\$ 4,900,000
370	Northwest Bergen County Utilities Authority	S340700-18	Interceptor System Rehabilitation	\$ 2,000,000	\$ 2,000,000
370	Northwest Bergen County Utilities Authority	S340700-19	Interceptor System Rehabilitation	\$ 8,132,450	\$ 8,132,450
264	Ocean County	S344080-09	<b>Barneгат Bay</b> - Manufactured Treatment Devices	\$ 1,300,000	\$ 1,300,000
260	Ocean County	S344080-10	<b>Barneгат Bay</b> - Camera Pipe Line Inspection Truck System - Equipment	\$ 250,000	\$ 250,000
260	Ocean County	S344080-11	<b>Barneгат Bay</b> -Mechanical Street Sweeper - Equipment	\$ 350,000	\$ 350,000
422	Ocean County Utilities Authority	S340372-58	AW1610 South Island Beach Interceptor (CI-1A) and South Island Interceptor (SI-11) Rehabilitation	\$ 4,431,000	\$ 4,431,000
78	Ocean County Utilities Authority	S340372-59	AW1611 Area Wide Clarifier Rehabilitation	\$ 7,620,000	\$ 7,620,000
276	Ocean Gate Borough	S344180-01	<b>Barneгат Bay</b> - Storm Sewer MTD	\$ 2,600,000	\$ 2,600,000
413	Ocean Township Sewer Authority	S340750-12	Interlaken Pump Station reconstruction <b>(SANDY)</b>	\$ 4,100,000	\$ 4,100,000
410	Ocean Township Sewer Authority	S340750-13	2016 Collection System Improvements	\$ 550,000	\$ 550,000
410	Ocean Township Sewer Authority	S340750-14	Asbury Avenue and Longview Pump Stations Rehabilitation	\$ 2,500,000	\$ 2,500,000
379	Old Bridge Municipal Utilities Authority	S340945-14	2015 Sewage Pump Station Upgrades	\$ 3,290,000	\$ 3,290,000
146	Passaic Valley Sewerage Commission	S340689-23	<b>CSO - Standby Power Generating Facility (SAIL)</b>	\$ 150,000,000	\$ 150,000,000
156	Passaic Valley Sewerage Commission	S340689-25	<b>Administration Building Rehab (SAIL)</b>	\$ 9,100,000	\$ 9,100,000
156	Passaic Valley Sewerage Commission	S340689-30	<b>CSO - Sump Pump Relocation (SAIL)</b>	\$ 3,700,000	\$ 3,700,000
156	Passaic Valley Sewerage Commission	S340689-31	Sodium Hypochlorite Storage Replacement	\$ 4,000,000	\$ 4,000,000
156	Passaic Valley Sewerage Commission	S340689-32	<b>CSO - Newark Bay Outfall (SANDY)</b>	\$ 10,000,000	\$ 10,000,000
156	Passaic Valley Sewerage Commission	S340689-33	<b>CSO - Weatherproof tunnel locations incl HVAC for ventilation (SAIL)</b>	\$ 80,000,000	\$ 80,000,000
119	Passaic Valley Sewerage Commission	S340689-35	Administration Building Green Infrastructure Entry Plaza	\$ 400,000	\$ 400,000
119	Passaic Valley Sewerage Commission	S340689-36	Green Car Wash	\$ 250,000	\$ 250,000
146	Passaic Valley Sewerage Commission	S340689-37	<b>CSO - Substation "M" Replacement (SAIL)</b>	\$ 13,400,000	\$ 13,400,000
146	Passaic Valley Sewerage Commission	S340689-38	<b>CSO - Final Clarifier Concrete Rehabilitation Project (SANDY)</b>	\$ 21,000,000	\$ 21,000,000
146	Passaic Valley Sewerage Commission	S340689-39	<b>CSO - Heat Treatment Plant Supernatant Return Pipe Lining (SANDY)</b>	\$ 4,816,000	\$ 4,816,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
146	Passaic Valley Sewerage Commission	S340689-40	<b>CSO - Plant Wide Replacement &amp; Relocation of Electrical Switchgear and MCCs (SAIL)</b>	\$ 123,300,000	\$ 123,300,000
155	Passaic Valley Sewerage Commission	S340689-41	<b>CSO - Perimeter Flood Wall (SAIL)</b>	\$ 97,000,000	\$ 97,000,000
146	Passaic Valley Sewerage Commission	S340689-42	<b>CSO - Storm Water Collection Systems (SAIL)</b>	\$ 21,500,000	\$ 21,500,000
146	Passaic Valley Sewerage Commission	S340689-43	<b>CSO - Storm Water Pumping Stations (SAIL)</b>	\$ 43,600,000	\$ 43,600,000
145	Passaic Valley Sewerage Commission	S340689-44	<b>CSO - Wallington Pump Station Rehabilitation Project</b>	\$ 1,500,000	\$ 1,500,000
565	Passaic Valley Sewerage Commission	S340689-45	Sludge Storage Improvements	\$ 3,280,000	\$ 3,280,000
565	Passaic Valley Sewerage Commission	S340689-46	Decant Facility Improvements	\$ 1,936,731	\$ 1,936,731
144	Passaic Valley Sewerage Commission	S340689-47	<b>CSO - Headworks Reconstruction Project</b>	\$ 94,965,434	\$ 94,965,434
146	Passaic Valley Sewerage Commission	S345200-01	<b>CSO - Combined Sewer Overflow Long Term Control Planning (SANDY)</b>	\$ 8,000,000	\$ 8,000,000
146	Passaic Valley Sewerage Commission	S345200-02	<b>CSO - Asset Management Plan (SANDY)</b>	\$ 2,000,000	\$ 2,000,000
42	Paterson City	S340850-05	<b>CSO - 023 Elimination- Sewer Separation at Second Avenue</b>	\$ 1,935,000	\$ 1,935,000
42	Paterson City	S340850-06	<b>CSO - 21st Avenue Sewer Reconstruction</b>	\$ 2,161,100	\$ 2,161,100
42	Paterson City	S340850-07	<b>CSO - West Railway Sewer Reconstruction</b>	\$ 2,137,200	\$ 2,137,200
71	Paterson City	S345210-01	<b>CSO - Investigation of Tributary Sewers from Adjacent Municipalities (SANDY)</b>	\$ 200,000	\$ 200,000
848	Paulsboro Borough	S340164-01	Stormwater Management	\$ 2,750,000	\$ 2,750,000
122	Perth Amboy City	S340435-11	<b>CSO - Second St. Pump Station Resiliency</b>	\$ 6,459,351	\$ 6,459,351
98	Perth Amboy City	S340435-13	<b>CSO -The Paving of Parking Lots C and RDH (GI)</b>	\$ 850,000	\$ 850,000
122	Perth Amboy City	S340435-14	<b>CSO - Repairation (Pulaski Ave / Parker St. / State Street)</b>	\$ 2,608,000	\$ 2,608,000
72	Perth Amboy City	S340435-17	<b>CSO -Second Street Corridor Project</b>	\$ 4,418,400	\$ 4,418,400
886	Perth Amboy City	S340435-18	The Replacement of Water Meters Project (FKA DW)	\$ 1,770,000	\$ 1,770,000
122	Perth Amboy City	S345220-01	<b>CSO - Permit Development of Long Term Control Plan</b>	\$ 1,000,000	\$ 1,000,000
785	Plainfield Municipal Utilities Authority	S340240-06	Transfer Station Improvement	\$ 11,675,000	\$ 11,675,000
333	Pleasantville City	S340752-03	Pleasantville Various Projects	\$ 3,200,000	\$ 3,200,000
600	Plumsted Township	S340607-03	Advanced WW treatment & collection system	\$ 27,000,000	\$ 27,000,000
275	Point Pleasant Beach Borough	S344190-02	<b>Barnegat Bay - Little Silver Lake Drainage Improv. Project</b>	\$ 3,000,000	\$ 3,000,000
898	Point Pleasant Beach Borough	S340479-04	Water Meter Replacement Project (FKA DW)	\$ 1,930,000.00	\$ 1,930,000.00
453	Princeton	S340656-11	Improvements to Linden Lane and Spruce Street	\$ 3,925,677.60	\$ 3,925,677.60

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
305	Princeton Borough	S340656-08	System-wide Sanitary Sewer Rehabilitation	\$ 4,300,000	\$ 4,300,000
9	Rahway Valley Sewerage Authority	S340547-14	Sludge Digester Upgrades	\$ 9,500,000	\$ 9,500,000
12	Rahway Valley Sewerage Authority	S340547-15	Trucked-in Waste Receiving Station	\$ 2,588,518	\$ 2,588,518
204	Raritan Township Municipal Utilities Authority	S340485-12	Main Treatment Plant Improvements 2016	\$ 4,900,000	\$ 4,900,000
67	Ridgefield Park Village	S345230-01	CSO - Planning for Long Term Control Plan	\$ 800,002	\$ 800,002
763	Ridgefield Park Village	S340688-05	Village of Ridgefield Park Skymark Project	\$ 30,211,486	\$ 30,211,486
875	Riverdale Borough	S340729-02	Equipment Purchase	\$ 289,789	\$ 289,789
118	Riverside Sewerage Authority	S340490-01	Primary Digester Mixing System	\$ 840,000	\$ 840,000
360	Rockaway Valley Regional Sewer Authority	S340821-06	Old Jersey Trunk Sewer Replacement	\$ 8,000,000	\$ 8,000,000
262	Rockaway Valley Regional Sewer Authority	S340821-07	Rehab four existing final clarifiers	\$ 8,200,000	\$ 8,200,000
441	Roselle Borough	S340332-02	Cleaning & lining of sanitary sewer	\$ 3,800,000	\$ 3,800,000
203	Roxbury Township	S340381-07	Treatment Plant & Pump Station Improvements	\$ 7,500,000	\$ 7,500,000
492	Runnemede Borough	S340363-06	Sanitary Sewer slip-lining at various locations	\$ 1,800,000	\$ 1,800,000
245	Rutgers University	S340500-01	Busch Cogeneration Plant Upgrade	\$ 32,400,000	\$ 32,400,000
245	Rutgers University	S340500-02	Upgrade of RBHS co-Generation Plant	\$ 44,501,400	\$ 44,501,400
561	Ship Bottom Borough	S340311-03	Sewer Main Replacement Project	\$ 4,700,000	\$ 4,700,000
136	Somerset Raritan Valley Sewer Authority	S340801-07	Stormwater control facility to eliminate sewage discharge	\$ 25,000,000	\$ 25,000,000
584	Somerset Raritan Valley Sewer Authority	S340801-08	Rehab of Sludge Incinerator #2	\$ 16,500,000	\$ 16,500,000
1019	Somerville Borough	S342013-01	Green Seam Restoration	\$ 11,500,000	\$ 11,500,000
394	South Monmouth Regional Sewer Authority	S340377-04A	Pump Station Improvements (SAIL)	\$ 6,981,600	\$ 6,981,600
839	Spotswood Borough	S340510-01	Roadway, Stormwater Management and Sanitary Sewer System Improvements	\$ 5,427,000.00	\$ 5,427,000.00
212	Stafford Township	S344100-03	Barneгат Bay - Neptune Basin Expansion	\$ 5,600,000	\$ 5,600,000
218	Stony Brook Regional Sewer Authority	S340400-10	Dewatered Sludge Handling Pump Replacement Project	\$ 5,700,000	\$ 5,700,000
917	Sussex County Municipal Utilities Authority	S342008-04	SCMUA Leachate Pump Station/Force Main Construction	\$ 7,403,160	\$ 7,403,160
328	Tuckerton Borough	S340034-03	Heron Road Sewer Main Replacement Project	\$ 1,405,206	\$ 1,405,206
424	Vernon Township	S340745-03	Vernon Township Asset Management Assessment and Plan	\$ 100,000	\$ 100,000
457	Warren Township Sewer Authority	S340964-05	Stage I/II, IV Collection System Rehabilitation	\$ 10,800,000	\$ 10,800,000
435	West Deptford Township	S340947-05	Replacement of Pump Stations 4 and 6	\$ 1,415,000	\$ 1,415,000
759	West Wildwood Borough	S340626-05	Storm Sewer Improvements to Avenues P, Q, R, S & Mueller Avenue	\$ 1,890,000	\$ 1,890,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
377	Western Monmouth Utilities Authority	S340128-05	Route 79 Pump Station and Force Main Replacement	\$ 4,300,000	\$ 4,300,000
265	Western Monmouth Utilities Authority	S340128-06	Pine Brook Sewage Treatment Plant Improvements	\$ 12,100,000	\$ 12,100,000
758	Wildwood City	S340664-05	Stormwater Remediation of Pacific Avenue	\$ 15,300,000	\$ 15,300,000
316	Willingboro Municipal Utilities Authority	S340132-08	Collection System Resiliency ( <b>SANDY</b> )	\$ 1,900,000	\$ 1,900,000
402	Winslow Township	S340895-10	Various Sanitary Sewer System Rehab	\$ 1,517,473	\$ 1,517,473
355	Woodbridge Township	S340433-11	Control of Odors and Corrosion in the Port Reading Interceptor	\$ 13,083,362	\$ 13,083,362
664	Woolwich Township	S340432-01	New Collection System & Treatment	<b>\$ 17,400,000</b>	<b>\$ 17,400,000</b>
	<b>Sandy and Base Amended SFY2018 SFY2019 CW Projects: #</b>	<b>246</b>	<b>Subtotal</b>	<b>\$ 2,952,191,875</b>	<b>\$ 2,952,191,875</b>
	<b>Total Clean Water Projects: #</b>	<b>249</b>	<b>Total Clean Water Projects:</b>	<b>\$ 2,953,441,875</b>	<b>\$ 2,953,441,875</b>

**Appendix A-2  
Clean Water (by Ranked Order)**

Combined Base SFY2020/Superstorm Sandy Interim Clean Water Financing Program  
Disaster Relief Emergency Financing (Statewide Assistance Infrastructure Loan (SAIL)) Program  
Third Amended SFY2019 Clean Water Interim Financing Program  
Project Priority Lists

**KEY:** **Red/italics** = SAIL Program (Disaster Relief projects)  
**Blue** = Project formerly appeared on Drinking Water list  
**Green** = New projects or increases in project costs since the Second Amended SFY2019 Interim Financing Program Project Priority List are identified

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
<b>Supplemental Loans</b>					
	Burlington Township	S340712-14-1	Sewer Rehabilitation	\$ 200,000	\$ 200,000
	North Hudson Sewer Authority	S340952-19-1	Combined Sewer Improvements	\$ 700,000	\$ 700,000
	Warren Township Sewer Authority	S340964-02-1	Fox Hill West & Heather Lane Pump Station	\$ 350,000	\$ 350,000
	<b>Supplemental Loans: #</b>	<b>3</b>	<b>Subtotal:</b>	<b>\$ 1,250,000</b>	<b>\$ 1,250,000</b>

<b>Base Program &amp; Superstorm SANDY Projects</b>					
2	Camden County Municipal Utilities Authority	S340640-19	<b>CSO</b> - Camden City Green and Grey Infrastructure Project, Phase 4	\$ 11,500,000	\$ 11,500,000
4	Camden County Municipal Utilities Authority	S340640-20	<b>CSO</b> - Camden City Green Infrastructure	\$ 6,500,000	\$ 6,500,000
5	Camden County Municipal Utilities Authority	S340640-17	<b>CSO</b> - Green & Gray Infrastructure	\$ 3,500,000	\$ 3,500,000
6	Camden County Municipal Utilities Authority	S340640-24	<b>CSO</b> - Upgrade of Camden County Wastewater Treatment Plant to Increase Wet Weather Capacity	\$ 6,500,000	\$ 6,500,000
6	Camden County Municipal Utilities Authority	S345040-01	<b>CSO</b> - Camden City and Gloucester City Long Term CSO Control Plan	\$ 1,049,636	\$ 1,049,636
9	Rahway Valley Sewerage Authority	S340547-14	Sludge Digester Upgrades	\$ 9,500,000	\$ 9,500,000
12	Rahway Valley Sewerage Authority	S340547-15	Trucked-in Waste Receiving Station	\$ 2,588,518	\$ 2,588,518
13	Camden County Municipal Utilities Authority	S340640-21	<b>CSO</b> - Camden City Waterfront Stormwater Pumping Station	\$ 32,500,000	\$ 32,500,000
13	Camden County Municipal Utilities Authority	S340640-22	<b>CSO</b> - Upgrades to Camden City's Combined Sewer Overflow System	\$ 13,000,000	\$ 13,000,000
17	Newark City	S340815-25	<b>CSO</b> - Green Infrastructure for the Sewer System	\$ 400,000	\$ 400,000
17	Newark City	S340815-27	<b>CSO</b> - Greenstreet Projects for the City of Newark	\$ 3,800,000	\$ 3,800,000
21	Camden County Municipal Utilities Authority	S340640-16	<b>CSO</b> - Wastewater Treatment Plant Improvements	\$ 13,300,000	\$ 13,300,000
23	Camden County Municipal Utilities Authority	S340640-23	<b>CSO</b> - Dredging of Camden City's Combined Sewer Overflows To Reduce Combined Sewage Flooding	\$ 4,200,000	\$ 4,200,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
23	Newark City	S340815-24	CSO - Structural evaluation & rehab of 350 miles of small diameter sewers	\$ 21,000,000	\$ 21,000,000
23	Newark City	S340815-26	CSO - Improvements to the Peddie Combined Sewer Overflow	\$ 3,300,000	\$ 3,300,000
29	Camden City	S340366-07	CSO - 2014 Sanitary/Combined Sewer Rehab / Replacement Project	\$ 59,000,000	\$ 59,000,000
29	Camden City	S340366-12	CSO - Cooper Street Pump Station	\$ 2,300,000	\$ 2,300,000
29	Camden City	S340366-13	CSO - Rehabilitation of Arch Street Pump Station	\$ 12,000,000	\$ 12,000,000
29	Camden City	S340366-14	CSO - Rehabilitation of Ten (10) Combined Sewer Outfalls.	\$ 9,370,000	\$ 9,370,000
29	Camden City	S340366-15	CSO - Rehabilitation of Combined Sewer Outfalls and Regulator Chambers	\$ 13,330,000	\$ 13,330,000
34	Elizabeth City	S340942-19	Trumbull Street Flood Control Project	\$ 7,700,000	\$ 7,700,000
35	Camden County Municipal Utilities Authority	S340640-18	Phase I upgrades, improve/sustain optimal wastewater performance (SANDY)	\$ 84,030,000	\$ 84,030,000
37	North Bergen Municipal Utilities Authority	S340652-14	CSO - Woodcliff Additional Improvements	\$ 23,000,000	\$ 23,000,000
39	Hoboken City	S340635-08	CSO - Southwest Resiliency Park - Acquisition, Rehabilitation	\$ 6,600,000	\$ 6,600,000
42	Paterson City	S340850-05	CSO - 023 Elimination- Sewer Separation at Second Avenue	\$ 1,935,000	\$ 1,935,000
42	Paterson City	S340850-06	CSO - 21st Avenue Sewer Reconstruction	\$ 2,161,100	\$ 2,161,100
42	Paterson City	S340850-07	CSO - West Railway Sewer Reconstruction	\$ 2,137,200	\$ 2,137,200
46	Jersey City Municipal Utilities Authority	S340928-15	CSO - Phase 3 & 4 Sewer Improvements (SANDY)	\$ 41,000,000	\$ 41,000,000
46	Jersey City Municipal Utilities Authority	S340928-16	CSO - Sixth Street Combined Sewer Outfall (SANDY)	\$ 9,500,000	\$ 9,500,000
46	Jersey City Municipal Utilities Authority	S340928-17	CSO - Regulator, Outfall and Solid Flow (SANDY)	\$ 14,160,000	\$ 14,160,000
46	Jersey City Municipal Utilities Authority	S340928-18	CSO - Claremont Carteret outfall replacement (SANDY)	\$ 5,600,000	\$ 5,600,000
46	Jersey City Municipal Utilities Authority	S340928-20	CSO - Outfall Chambers (SANDY)	\$ 7,200,000	\$ 7,200,000
55	Elizabeth City	S340942-13	CSO - Western Interceptor Modifications	\$ 13,146,000	\$ 13,146,000
55	Elizabeth City	S340942-17	CSO - South Street Flood Control Project (SANDY)	\$ 6,500,000	\$ 6,500,000
55	Elizabeth City	S345070-01	CSO - City of Elizabeth Combined Sewer Overflow Long Term Control Plan	\$ 4,000,001	\$ 4,000,001
59	Camden County Municipal Utilities Authority	S340640-13	Delaware #1 Pump Upgrades	\$ 12,800,000	\$ 12,800,000
60	Bayonne City	S340399-31	CSO - Stormwater Management Facilities and Park Improvements	\$ 1,618,539	\$ 1,618,539
63	Kearny Town	S340259-11	CSO - Dukes St Stormwater Pump Station	\$ 17,000,000	\$ 17,000,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
67	Ridgefield Park Village	S345230-01	CSO - Planning for Long Term Control Plan	\$ 800,002	\$ 800,002
69	Carneys Point Sewerage Authority	S340502-09	UV Disinfection & Filter System Improvements	\$ 1,497,445	\$ 1,497,445
71	Paterson City	S345210-01	CSO - Investigation of Tributary Sewers from Adjacent Municipalities (SANDY)	\$ 200,000	\$ 200,000
72	Perth Amboy City	S340435-17	CSO -Second Street Corridor Project	\$ 4,418,400	\$ 4,418,400
76	Bayshore Regional Sewer Authority	S340697-06	Restoration / Mitigation of Blower Bldg. & Power Distribution System (SAIL)	\$ 15,100,000	\$ 15,100,000
78	Ocean County Utilities Authority	S340372-59	AW1611 Area Wide Clarifier Rehabilitation	\$ 7,620,000	\$ 7,620,000
88	Hoboken City	S340635-06	CSO - Acquisition, Remediation, & Construction on 6 Acre Park & Outfall (SANDY)	\$ 60,000,000	\$ 60,000,000
88	Hoboken City	S340635-07	CSO - Resilient Green Infrastructure for CSO Reduction	\$ 5,000,000	\$ 5,000,000
88	Hoboken City	S340635-09	ROW Green Infrastructure adjacent to water Mains	\$ 500,000	\$ 500,000
93	Mount Laurel Township Municipal Utilities Authority	S340943-06	Sewer System Improvement Project (Bundle 1)	\$ 5,900,000	\$ 5,900,000
95	Cliffside Park Borough	S340847-04	CSO - Combined Sewer Separation	\$ 5,300,000	\$ 5,300,000
98	Perth Amboy City	S340435-13	CSO -The Paving of Parking Lots C and RDH (GI)	\$ 850,000	\$ 850,000
101	Jersey City	S340928-30	CSO - Street Cleaning Equipment	\$ 2,711,000	\$ 2,711,000
102	North Hudson Sewer Authority	S340952-22	CSO - W1234 Solids/Floatables	\$ 18,000,000	\$ 18,000,000
102	North Hudson Sewer Authority	S340952-23	Phase II Sanitary Sewer System Upgrades	\$ 3,100,000	\$ 3,100,000
111	North Hudson Sewer Authority	S340952-30	CSO - 2017 Adams Street Wastewater Treatment Plant Improvements	\$ 23,200,000	\$ 23,200,000
111	North Hudson Sewer Authority	S340952-31	Green Infrastructure	\$ 547,350	\$ 547,350
111	North Hudson Sewer Authority	S345190-01	CSO - Combined Sewer Long Term Control Plan	\$ 6,000,000	\$ 6,000,000
118	Riverside Sewerage Authority	S340490-01	Primary Digester Mixing System	\$ 840,000	\$ 840,000
119	Passaic Valley Sewerage Commission	S340689-35	Administration Building Green Infrastructure Entry Plaza	\$ 400,000	\$ 400,000
119	Passaic Valley Sewerage Commission	S340689-36	Green Car Wash	\$ 250,000	\$ 250,000
122	Perth Amboy City	S340435-11	CSO - Second St. Pump Station Resiliency	\$ 6,459,351	\$ 6,459,351
122	Perth Amboy City	S340435-14	CSO - Reparation (Pulaski Ave / Parker St. / State Street)	\$ 2,608,000	\$ 2,608,000
122	Perth Amboy City	S345220-01	CSO - Permit Development of Long Term Control Plan	\$ 1,000,000	\$ 1,000,000
128	Jersey City Municipal Utilities Authority	S340928-23	CSO - 3 Pump Stations Flood Hardening Improvements	\$ 1,846,000	\$ 1,846,000
128	Jersey City Municipal Utilities Authority	S340928-24	CSO - Phase 1/2 Sewer Rehabilitation	\$ 22,200,000	\$ 22,200,000
128	Jersey City Municipal Utilities Authority	S340928-27	CSO - Green Infrastructure- Martin Luther King Drive Tree Trenches	\$ 500,000	\$ 500,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
131	Hackensack City	S340923-12	CSO - Combined Sewer Separation, Phase 2	\$ 6,000,000	\$ 6,000,000
136	Somerset Raritan Valley Sewer Authority	S340801-07	Stormwater control facility to eliminate sewage discharge	\$ 25,000,000	\$ 25,000,000
144	Passaic Valley Sewerage Commission	S340689-47	CSO - Headworks Reconstruction Project	\$ 94,965,434	\$ 94,965,434
145	Passaic Valley Sewerage Commission	S340689-44	CSO - Wallington Pump Station Rehabilitation Project	\$ 1,500,000	\$ 1,500,000
146	Passaic Valley Sewerage Commission	S340689-23	CSO - Standby Power Generating Facility (SAIL)	\$ 150,000,000	\$ 150,000,000
146	Passaic Valley Sewerage Commission	S340689-37	CSO - Substation "M" Replacement (SAIL)	\$ 13,400,000	\$ 13,400,000
146	Passaic Valley Sewerage Commission	S340689-38	CSO - Final Clarifier Concrete Rehabilitation Project (SANDY)	\$ 21,000,000	\$ 21,000,000
146	Passaic Valley Sewerage Commission	S340689-39	CSO - Heat Treatment Plant Supernatant Return Pipe Lining (SANDY)	\$ 4,816,000	\$ 4,816,000
146	Passaic Valley Sewerage Commission	S340689-40	CSO - Plant Wide Replacement & Relocation of Electrical Switchgear and MCCs (SAIL)	\$ 123,300,000	\$ 123,300,000
146	Passaic Valley Sewerage Commission	S340689-42	CSO - Storm Water Collection Systems (SAIL)	\$ 21,500,000	\$ 21,500,000
146	Passaic Valley Sewerage Commission	S340689-43	CSO - Storm Water Pumping Stations (SAIL)	\$ 43,600,000	\$ 43,600,000
146	Passaic Valley Sewerage Commission	S345200-01	CSO - Combined Sewer Overflow Long Term Control Planning (SANDY)	\$ 8,000,000	\$ 8,000,000
146	Passaic Valley Sewerage Commission	S345200-02	CSO - Asset Management Plan (SANDY)	\$ 2,000,000	\$ 2,000,000
155	Passaic Valley Sewerage Commission	S340689-41	CSO - Perimeter Flood Wall (SAIL)	\$ 97,000,000	\$ 97,000,000
156	Passaic Valley Sewerage Commission	S340689-25	Administration Building Rehab (SAIL)	\$ 9,100,000	\$ 9,100,000
156	Passaic Valley Sewerage Commission	S340689-30	CSO - Sump Pump Relocation (SAIL)	\$ 3,700,000	\$ 3,700,000
156	Passaic Valley Sewerage Commission	S340689-31	Sodium Hypochlorite Storage Replacement	\$ 4,000,000	\$ 4,000,000
156	Passaic Valley Sewerage Commission	S340689-32	CSO - Newark Bay Outfall (SANDY)	\$ 10,000,000	\$ 10,000,000
156	Passaic Valley Sewerage Commission	S340689-33	CSO - Weatherproof tunnel locations incl HVAC for ventilation (SAIL)	\$ 80,000,000	\$ 80,000,000
167	Northwest Bergen County Utilities Authority	S340700-16	Wastewater Treatment Plant Improvements	\$ 4,900,000	\$ 4,900,000
173	Beach Haven Borough	S344220-01	Barneget Bay - Stormwater Pump replacement and drainage	\$ 2,038,640	\$ 2,038,640
175	Jersey City Municipal Utilities Authority	S340928-21	CSO - Sewer Pipe Replacement / Phase V CSO Study	\$ 12,000,000	\$ 12,000,000
175	Jersey City Municipal Utilities Authority	S340928-28	CSO - Van Winkle Ave. San. Sewer Rehab.	\$ 2,700,000	\$ 2,700,000
175	Jersey City Municipal Utilities Authority	S340928-29	CSO - Carteret Ave. Sewer Replacement	\$ 15,360,000	\$ 15,360,000
175	Jersey City Municipal Utilities Authority	S340928-31	CSO - 54-inch JCMUA/PVSC FORCEMAIN REPAIR	\$ 11,059,600	\$ 11,059,600

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
175	Jersey City Municipal Utilities Authority	S340928-34	Sanitary Sewer Main Rehabilitation/Lining	\$ 1,181,180	\$ 1,181,180
<b>181</b>	<b>Logan Township Municipal Utilities Authority</b>	<b>S340123-02</b>	<b>Effluent Force Main Replacement Project</b>	<b>\$ 9,948,000</b>	<b>\$ 9,948,000</b>
182	Gloucester City	S340958-08	CSO - Various Sewer Projects	\$ 2,100,000	\$ 2,100,000
183	Bergen County Utilities Authority	S340386-24	Tank Header Improvements	\$ 1,950,000	\$ 1,950,000
183	Bergen County Utilities Authority	S340386-23	Sludge Digester Improvements	\$ 17,820,000	\$ 17,820,000
183	Bergen County Utilities Authority	S340386-19	Infrastructure Protection Improvements	\$ 3,240,000	\$ 3,240,000
183	Bergen County Utilities Authority	S340386-20	Primary Settling Tanks Improvements	\$ 9,000,000	\$ 9,000,000
183	Bergen County Utilities Authority	S340386-21	Final Settling Tanks Improvements	\$ 1,920,000	\$ 1,920,000
183	Bergen County Utilities Authority	S340386-22	Facility Assessment and Improvements	\$ 5,690,000	\$ 5,690,000
189	Bergen County Utilities Authority	S340386-14	All offsite mitigation improvements	\$ 54,172,587	\$ 54,172,587
189	Bergen County Utilities Authority	S340386-15	Power Supply mitigation improvements	\$ 42,094,280	\$ 42,094,280
189	Bergen County Utilities Authority	S340386-16	All Plant wide mitigation improvements	\$ 19,537,263	\$ 19,537,263
189	Bergen County Utilities Authority	S340386-18	Pump Station Resiliency Project	\$ 2,491,339	\$ 2,491,339
196	Gloucester City	S345090-01	CSO - Combined Sewer Overflow Asset Management Plan	\$ 1,000,000	\$ 1,000,000
203	Roxbury Township	S340381-07	Treatment Plant & Pump Station Improvements	\$ 7,500,000	\$ 7,500,000
204	Raritan Township Municipal Utilities Authority	S340485-12	Main Treatment Plant Improvements 2016	\$ 4,900,000	\$ 4,900,000
211	Gloucester County Utilities Authority	S340902-15	Combined Heat & Power	\$ 7,250,000	\$ 7,250,000
212	Stafford Township	S344100-03	<b>Barnegat Bay - Neptune Basin Expansion</b>	\$ 5,600,000	\$ 5,600,000
215	Berkeley Township	S344020-02	<b>Barnegat Bay - Water Quality Retention Basin at Moorage Park</b>	\$ 905,063	\$ 905,063
217	Allentown Borough	S340567-05	Sewer Plant Modifications	\$ 3,112,994	\$ 3,112,994
218	Stony Brook Regional Sewer Authority	S340400-10	Dewatered Sludge Handling Pump Replacement Project	\$ 5,700,000	\$ 5,700,000
224	North Wildwood City	S340663-07	Street and Utility Reconstruction - Sewer (SANDY)	\$ 32,872,570	\$ 32,872,570
<b>230</b>	<b>JMEUC - East Orange City</b>	<b>S340686-09a</b>	<b>Capital Improvements Projects 2019</b>	<b>\$ 620,504</b>	<b>\$ 620,504</b>
<b>230</b>	<b>JMEUC - Elizabeth City</b>	<b>S340686-09b</b>	<b>Capital Improvements Projects 2019</b>	<b>\$ 6,505,876</b>	<b>\$ 6,505,876</b>
<b>230</b>	<b>JMEUC - Hillside Township</b>	<b>S340686-09c</b>	<b>Capital Improvements Projects 2019</b>	<b>\$ 908,430</b>	<b>\$ 908,430</b>
<b>230</b>	<b>JMEUC - Irvington Township</b>	<b>S340686-09d</b>	<b>Capital Improvements Projects 2019</b>	<b>\$ 2,252,347</b>	<b>\$ 2,252,347</b>
<b>230</b>	<b>JMEUC - Newark City</b>	<b>S340686-09e</b>	<b>Capital Improvements Projects 2019</b>	<b>\$ 1,363,042</b>	<b>\$ 1,363,042</b>
<b>230</b>	<b>JMEUC - South Orange Village Township</b>	<b>S340686-09f</b>	<b>Capital Improvements Projects 2019</b>	<b>\$ 650,806</b>	<b>\$ 650,806</b>

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
230	JMEUC - Summit City	S340686-09g	Capital Improvements Projects 2019	\$ 1,186,322	\$ 1,186,322
230	JMEUC - Union Township	S340686-09h	Capital Improvements Projects 2019	\$ 2,449,335	\$ 2,449,335
230	JMEUC - West Orange Township	S340686-09i	Capital Improvements Projects 2019	\$ 1,585,429	\$ 1,585,429
242	Howell Township	S344040-02	Barneget Bay - Freewood Acres & Route 9 Sanitary Sewer Extension	\$ 14,680,000	\$ 14,680,000
245	Rutgers University	S340500-01	Busch Cogeneration Plant Upgrade	\$ 32,400,000	\$ 32,400,000
245	Rutgers University	S340500-02	Upgrade of RBHS co-Generation Plant	\$ 44,501,400	\$ 44,501,400
252	Little Egg Harbor Township	S344060-02	Barneget Bay - Twin Lakes Blvd. Drainage Improvements	\$ 4,250,000	\$ 4,250,000
260	Ocean County	S344080-10	Barneget Bay - Camera Pipe Line Inspection Truck System - Equipment	\$ 250,000	\$ 250,000
260	Ocean County	S344080-11	Barneget Bay -Mechanical Street Sweeper - Equipment	\$ 350,000	\$ 350,000
262	Rockaway Valley Regional Sewer Authority	S340821-07	Rehab four existing final clarifiers	\$ 8,200,000	\$ 8,200,000
264	Ocean County	S344080-09	Barneget Bay - Manufactured Treatment Devices	\$ 1,300,000	\$ 1,300,000
265	Western Monmouth Utilities Authority	S340128-06	Pine Brook Sewage Treatment Plant Improvements	\$ 12,100,000	\$ 12,100,000
268	Chatham (MCJM) Borough	S340715-06	Facility Improvements 2018	\$ 3,000,000	\$ 3,000,000
269	Madison (MCJM) Borough	S340715-07	Facility Improvements 2018	\$ 5,000,000	\$ 5,000,000
275	Point Pleasant Beach Borough	S344190-02	Barneget Bay - Little Silver Lake Drainage Improv. Project	\$ 3,000,000	\$ 3,000,000
276	Ocean Gate Borough	S344180-01	Barneget Bay - Storm Sewer MTD	\$ 2,600,000	\$ 2,600,000
281	Lakewood Township Municipal Utilities Authority	S340465-03	Administration Building Addition (FKA DW)	\$ 1,440,000	\$ 1,440,000
282	New Jersey Water Supply Authority	S340421-02	Round Valley Reservoir Structures Refurbishment and Resource Preservation	\$ 82,822,000	\$ 82,822,000
282	New Jersey Water Supply Authority	S340421-03	Round Valley Reservoir Structures Refurbishment and Resource Preservation	\$ 82,822,000	\$ 82,822,000
291	Kearny Municipal Utilities Authority	S340259-07	Pump Station Rehabilitation (SAIL)	\$ 6,500,000	\$ 6,500,000
291	Kearny Municipal Utilities Authority	S340259-14	PS Grit Collector Replacement /Central & Pennsylvania Ave Sewer Rehab	\$ 1,582,000.00	\$ 1,582,000.00
305	Princeton Borough	S340656-08	System-wide Sanitary Sewer Rehabilitation	\$ 4,300,000	\$ 4,300,000
315	Manasquan River Regional Sewerage Authority	S340911-03	Equipment Replacement	\$ 660,000	\$ 660,000
316	Willingboro Municipal Utilities Authority	S340132-08	Collection System Resiliency (SANDY)	\$ 1,900,000	\$ 1,900,000
319	Little Egg Harbor Municipal Utilities Authority	S340579-03	Little Egg Harbor Sewer Main Replacement	\$ 7,700,000	\$ 7,700,000
321	Delran Township	S340794-10	Clay Street Pump Station	\$ 2,100,000	\$ 2,100,000
328	Tuckerton Borough	S340034-03	Heron Road Sewer Main Replacement Project	\$ 1,405,206	\$ 1,405,206

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
331	Montclair Township	S340837-04	Sanitary Sewers refurbishment 2017	\$ 1,700,000	\$ 1,700,000
333	Pleasantville City	S340752-03	Pleasantville Various Projects	\$ 3,200,000	\$ 3,200,000
337	Middlesex County Utilities Authority	S340699-12	Restoration and Flood Mitigation (SAIL)	\$ 93,000,000	\$ 93,000,000
337	Middlesex County Utilities Authority	S340699-13	Restoration and Flood Mitigation (SAIL)	\$ 40,000,000	\$ 40,000,000
337	Middlesex County Utilities Authority	S340699-14	Main Truck Sewer Rehab Phase II	\$ 10,700,000	\$ 10,700,000
344	Monmouth County Bayshore Outfall Authority	S340325-04	Force Main Assessment and Rehabilitation	\$ 3,000,000	\$ 3,000,000
347	Atlantic County Utilities Authority	S340809-24	Pump Station Resiliency	\$ 800,000	\$ 800,000
347	Atlantic County Utilities Authority	S340809-29	Replace a portion of Brigantine Force Main	\$ 4,300,000	\$ 4,300,000
355	Woodbridge Township	S340433-11	Control of Odors and Corrosion in the Port Reading Interceptor	\$ 13,083,362	\$ 13,083,362
360	Rockaway Valley Regional Sewer Authority	S340821-06	Old Jersey Trunk Sewer Replacement	\$ 8,000,000	\$ 8,000,000
368	Brick Township Municipal Utilities Authority	S340448-11	Wastewater Pump Station Rehabilitation - Phase II	\$ 5,278,297	\$ 5,278,297
368	Brick Township Municipal Utilities Authority	S340448-12	Sanitary Sewer Manhole Rehabilitation and Replacement	\$ 4,824,000	\$ 4,824,000
370	Northwest Bergen County Utilities Authority	S340700-14	Midland Park Force Main Installation	\$ 3,694,000	\$ 3,694,000
370	Northwest Bergen County Utilities Authority	S340700-15	Wastewater Pump Station Improvements	\$ 7,000,000	\$ 7,000,000
370	Northwest Bergen County Utilities Authority	S340700-18	Interceptor System Rehabilitation	\$ 2,000,000	\$ 2,000,000
370	Northwest Bergen County Utilities Authority	S340700-19	Interceptor System Rehabilitation	\$ 8,132,450	\$ 8,132,450
377	Western Monmouth Utilities Authority	S340128-05	Route 79 Pump Station and Force Main Replacement	\$ 4,300,000	\$ 4,300,000
379	Old Bridge Municipal Utilities Authority	S340945-14	2015 Sewage Pump Station Upgrades	\$ 3,290,000	\$ 3,290,000
382	Franklin Township Sewerage Authority	S340839-07	Foxwood Drive Area - South Crossing I&I Reduction	\$ 2,500,000	\$ 2,500,000
382	Franklin Township Sewerage Authority	S340839-08	Hamilton St. Pumping Station	\$ 4,200,000	\$ 4,200,000
394	South Monmouth Regional Sewer Authority	S340377-04A	Pump Station Improvements (SAIL)	\$ 6,981,600	\$ 6,981,600
398	Evesham Municipal Utilities Authority	S340838-07	Sewer System Improvements	\$ 1,600,000	\$ 1,600,000
399	Egg Harbor Township Municipal Utilities Authority	S340753-06	FAA Pump Station Reconstruction	\$ 700,000	\$ 700,000
402	Winslow Township	S340895-10	Various Sanitary Sewer System Rehab	\$ 1,517,473	\$ 1,517,473
404	Montclair Township	S340837-03	Sanitary Sewer Collection System Rehabilitation-SFY 2016	\$ 1,700,000	\$ 1,700,000
410	Ocean Township Sewer Authority	S340750-13	2016 Collection System Improvements	\$ 550,000	\$ 550,000
410	Ocean Township Sewer Authority	S340750-14	Asbury Avenue and Longview Pump Stations Rehabilitation	\$ 2,500,000	\$ 2,500,000
413	Ocean Township Sewer Authority	S340750-12	Interlaken Pump Station reconstruction (SANDY)	\$ 4,100,000	\$ 4,100,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
422	Ocean County Utilities Authority	S340372-58	AW1610 South Island Beach Interceptor (CI-1A) and South Island Interceptor (SI-11) Rehabilitation	\$ 4,431,000	\$ 4,431,000
424	Vernon Township	S340745-03	Vernon Township Asset Management Assessment and Plan	\$ 100,000	\$ 100,000
428	Burlington Township	S340712-16	Sanitary Sewer Rehabilitation	\$ 960,000	\$ 960,000
435	West Deptford Township	S340947-05	Replacement of Pump Stations 4 and 6	\$ 1,415,000	\$ 1,415,000
441	Roselle Borough	S340332-02	Cleaning & lining of sanitary sewer	\$ 3,800,000	\$ 3,800,000
453	Princeton	S340656-11	Improvements to Linden Lane and Spruce Street	\$ 3,925,677.60	\$ 3,925,677.60
457	Warren Township Sewer Authority	S340964-05	Stage I/II, IV Collection System Rehabilitation	\$ 10,800,000	\$ 10,800,000
464	Middlesex Borough	S340698-02	Sanitary Sewer Main Improvements	\$ 2,568,750	\$ 2,568,750
484	Brigantine City	S340827-04	Emergency Generators (SANDY)	\$ 3,300,000	\$ 3,300,000
488	Northfield City	S340508-01	Davis Avenue Pump Station Upgrade	\$ 270,000	\$ 270,000
492	Runnemede Borough	S340363-06	Sanitary Sewer slip-lining at various locations	\$ 1,800,000	\$ 1,800,000
493	North Haledon Borough	S340229-02	Small System Asset Management Plan	\$ 100,000	\$ 100,000
495	Carneys Point Sewerage Authority	S340502-08	Lafayette Road Sanitary Sewer	\$ 1,057,203	\$ 1,057,203
500	Glen Ridge Borough	S340861-03	Sewer Cleaning Truck	\$ 445,849	\$ 445,849
500	Glen Ridge Borough	S340861-04	Sanitary Sewer Rehab & Collection System Asset Management Plan	\$ 1,856,145.00	\$ 1,856,145.00
502	Haddon Heights Borough	S340877-02	Sanitary Sewer System Asset Management Plan	\$ 100,000	\$ 100,000
507	Emerson Borough	S340497-01	Small System Asset Management Plan	\$ 100,000	\$ 100,000
524	Mount Arlington Borough	S340451-05	Wastewater System Asset Management Plan	\$ 212,785	\$ 212,785
530	Bradley Beach Borough	S340472-01	Sewer Main Installation and Repairs - Phase I	\$ 2,700,000	\$ 2,700,000
533	Medford Lakes Borough	S340319-03	Collection System Lining Improvements	\$ 11,000,000	\$ 11,000,000
542	Long Beach Township	S340023-07	Sewer Main Replacement	\$ 4,600,000	\$ 4,600,000
561	Ship Bottom Borough	S340311-03	Sewer Main Replacement Project	\$ 4,700,000	\$ 4,700,000
565	Passaic Valley Sewerage Commission	S340689-45	Sludge Storage Improvements	\$ 3,280,000	\$ 3,280,000
565	Passaic Valley Sewerage Commission	S340689-46	Decant Facility Improvements	\$ 1,936,731	\$ 1,936,731
570	Gloucester County Utilities Authority	S340902-17	Sludge Drying System	\$ 10,000,000	\$ 10,000,000
580	Atlantic County Utilities Authority	S340809-28	Sewer Sludge Incinerator Improvements	\$ 4,100,000	\$ 4,100,000
584	Somerset Raritan Valley Sewer Authority	S340801-08	Rehab of Sludge Incinerator #2	\$ 16,500,000	\$ 16,500,000
590	North Wildwood City	S340663-08	Street and Utility Reconstruction - Stormwater (SANDY)	\$ 32,872,570	\$ 32,872,570
594	Manasquan Borough	S340450-02	Stockton Lake Bulkhead and Stormwater Management	\$ 4,505,800	\$ 4,505,800

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
600	Plumsted Township	S340607-03	Advanced WW treatment & collection system	\$ 27,000,000	\$ 27,000,000
664	Woolwich Township	S340432-01	New Collection System & Treatment	\$ 17,400,000	\$ 17,400,000
666	Camden County Municipal Utilities Authority	S340640-26	Newton Creek Dredging and Erosion Control	\$ 26,600,000	\$ 26,600,000
685	Jersey City Municipal Utilities Authority	S340928-32	Remote Meter Reading (AMI) (FKA DW)	\$ 9,300,000	\$ 9,300,000
691	Lakewood Township Municipal Utilities Authority	S340465-02	Gravity Sewer Line Installation	\$ 4,320,000	\$ 4,320,000
693	Camden City	S340366-16	New Auto Meter Reading Equip for entire City (FKA DW)	\$ 1,800,000	\$ 1,800,000
695	East Orange City	S340843-02	Water System Improvement and Resiliency Project 2017 (FKA DW)	\$ 6,840,000	\$ 6,840,000
705	Marlboro Township	S340268-02	Harbor Rd. Wastewater Pump Station	\$ 964,250	\$ 964,250
722	Aberdeen Township	S340869-02	Sanitary Sewer and PS Upgrades	\$ 9,000,000	\$ 9,000,000
746	Cumberland County	S340438-03	Downe Township Fortescue Package Plant	\$ 17,000,000	\$ 17,000,000
751	Little Egg Harbor Township	S340579-04	Mystic Island Drainage Improvements - Phase 2	\$ 1,714,000	\$ 1,714,000
758	Wildwood City	S340664-05	Stormwater Remediation of Pacific Avenue	\$ 15,300,000	\$ 15,300,000
759	West Wildwood Borough	S340626-05	Storm Sewer Improvements to Avenues P, Q, R, S & Mueller Avenue	\$ 1,890,000	\$ 1,890,000
760	Cranford Township	S340858-04	Stormwater constr. various locations to improve drainage/prevent flooding	\$ 12,000,000	\$ 12,000,000
763	Ridgefield Park Village	S340688-05	Village of Ridgefield Park Skymark Project	\$ 30,211,486	\$ 30,211,486
766	Dunellen Borough	S340916-03	Flood Mitigation Project	\$ 2,599,998	\$ 2,599,998
767	New Jersey Water Supply Authority	S340421-01	D&R Canal Dredging	\$ 56,800,000	\$ 56,800,000
783	Gloucester Township	S340364-11	Flood Mitigation (SANDY)	\$ 950,000	\$ 950,000
783	Gloucester Township	S340364-15	Gloucester Township Stormwater Improvements	\$ 1,450,000	\$ 1,450,000
785	Plainfield Municipal Utilities Authority	S340240-06	Transfer Station Improvement	\$ 11,675,000	\$ 11,675,000
789	Evesham Municipal Utilities Authority	S340838-06	Elmwood WWTP Storage Building	\$ 2,500,000	\$ 2,500,000
790	Berkeley Township	S340969-12	Stormwater/Equipment	\$ 706,150	\$ 706,150
830	Brigantine City	S340827-05	Flood Control and Pump Station Improvements (SANDY)	\$ 4,600,000	\$ 4,600,000
830	Brigantine City	S340827-06	Municipal System Improvements	\$ 1,001,066	\$ 1,001,066
839	Spotswood Borough	S340510-01	Roadway, Stormwater Management and Sanitary Sewer System Improvements	\$ 5,427,000.00	\$ 5,427,000.00
848	Paulsboro Borough	S340164-01	Stormwater Management	\$ 2,750,000	\$ 2,750,000
855	Highlands Borough	S340901-03	Stormwater System Improvements (Current Project)	\$ 6,250,000	\$ 6,250,000
865	Bradley Beach Borough	S340472-02	Bradley Boulevard Stormwater Rehab	\$ 2,590,050	\$ 2,590,050
875	Riverdale Borough	S340729-02	Equipment Purchase	\$ 289,789	\$ 289,789

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
886	Perth Amboy City	S340435-18	The Replacement of Water Meters Project (FKA DW)	\$ 1,770,000	\$ 1,770,000
895	Manchester Township	S340650-08	Install automated meters (FKA DW)	\$ 3,000,000	\$ 3,000,000
898	Point Pleasant Beach Borough	S340479-04	Water Meter Replacement Project (FKA DW)	\$ 1,930,000.00	\$ 1,930,000.00
899	Allentown Borough	S340567-06	Water Meter Replacement	\$ 664,938	\$ 664,938
907	Jersey City Redevelopment Agency	S340928-25	Jersey Avenue Park Redevelopment Plan - Phase 1/2	\$ 14,069,063	\$ 14,069,063
907	Jersey City Redevelopment Agency	S340928-26	Jersey Avenue Park Redevelopment Plan - Phase 2	\$ 12,600,000	\$ 12,600,000
910	Bellmawr Borough	S342011-02	Waterfront Development Remediation	\$ 68,400,000	\$ 68,400,000
917	Sussex County Municipal Utilities Authority	S342008-04	SCMUA Leachate Pump Station/Force Main Construction	\$ 7,403,160	\$ 7,403,160
978	Kearny Town	S340259-12	Redev of recreational complex as a modern artificial turf complex	\$ 21,500,000	\$ 21,500,000
988	Asbury Park City	S340883-08	Sewer Plant	\$ 63,000,000	\$ 63,000,000
993	Camden County PCFA	S342025-01	Pennsauken Sanitary Landfill Expansion and Liner Enhancement Project	\$ 14,060,804	\$ 14,060,804
995	Gloucester County Improvement Authority	S342016-03	Cell 14 Construction	\$ 13,893,240	\$ 13,893,240
1007	Milltown Borough	S340102-01	Milltown Ford Ave Redevelopment	\$ 21,000,000	\$ 21,000,000
1007	Milltown Borough	S340102-04	Ford Avenue Redevelopment	\$ 5,500,000	\$ 5,500,000
1019	Somerville Borough	S342013-01	Green Seam Restoration	\$ 11,500,000	\$ 11,500,000
	<b>Sandy and Base Amended SFY2018 SFY2019 CW Projects: #</b>	<b>246</b>	<b>Subtotal</b>	<b>\$ 2,952,191,875</b>	<b>\$ 2,952,191,875</b>
	<b>Total Clean Water Projects: #</b>	<b>249</b>	<b>Total Clean Water Projects:</b>	<b>\$ 2,953,441,875</b>	<b>\$ 2,953,441,875</b>

**Appendix B-1  
Drinking Water (by Alphabetical Order)**

Combined Base SFY2020/Superstorm Sandy Interim Drinking Water Financing Program  
Third Amended SFY2019 Drinking Water Interim Financing Program  
Project Priority Lists

**KEY:** Green = New projects or increases in project costs since the Second Amended SFY2019 Interim Financing Program Project Priority List are identified

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
<b>Supplemental Loans</b>					
	<b>Supplemental Loans: #</b>	<b>0</b>	<b>Subtotal:</b>	\$ -	\$ -

<b>Base Program &amp; Superstorm SANDY Projects</b>					
384	Aberdeen Township	1330004-001	Woodfield Area Water System Rehabilitation	\$ 3,900,000	\$ 3,900,000
18	ADTI Housing Corporation	2103002-001	Chlorination system	\$ 400,000	\$ 400,000
406	Allentown Borough	1302001-002	Elevated Water Tank Improvements	\$ 549,100	\$ 549,100
211	Allentown Borough	1302001-004	Water Treatment Plant Improvements	\$ 2,328,960	\$ 2,328,960
368	Bayonne Municipal Utilities Authority	0901001-006	Aqueduct Replacement	\$ 12,000,000	\$ 12,000,000
157	Bellmawr Borough	0404001-005	Improvements to WTP	\$ 500,000	\$ 500,000
243	Bellmawr Borough	0404001-006	Various Water System Improvements	\$ 2,300,000	\$ 2,300,000
205	Berkeley Township Municipal Utilities Authority	1505004-009	Installation of New Well #4 with WM to Connect to WTP	\$ 2,200,000	\$ 2,200,000
<b>13</b>	<b>Bloomfield Township</b>	<b>0702001-003</b>	<b>Lead Service Line Replacement</b>	<b>\$ 6,440,000</b>	<b>\$ 6,440,000</b>
<b>485</b>	<b>Bloomfield Township</b>	<b>0702001-002</b>	<b>Water Meter Replacement</b>	<b>\$ 2,500,992</b>	<b>\$ 2,500,992</b>
505	Brick Township Municipal Utilities Authority	1506001-012	Meter Replacement	\$ 5,420,000	\$ 5,420,000
303	Brick Township Municipal Utilities Authority	1506001-009	Breton Woods Water Main Replacement - Phase I	\$ 5,928,760	\$ 5,928,760
271	Brick Township Municipal Utilities Authority	1506001-007	Chlorine Disinfection System Relocation	\$ 3,800,000	\$ 3,800,000
305	Brick Township Municipal Utilities Authority	1506001-010	Hydrant Replacement in Baywood Section	\$ 1,160,000	\$ 1,160,000
48	Brick Township Municipal Utilities Authority	1506001-011	Granular Activated Carbon Treatment Addition	\$ 20,890,000	\$ 20,890,000
303	Brick Township Municipal Utilities Authority	1506001-008	Undersized Water Main Replacement Cedar Park East and West	\$ 6,550,000	\$ 6,550,000
365	Brick Township Municipal Utilities Authority	1506001-013	Water Main Stream Crossings Replacements at Various locations	\$ 4,188,419	\$ 4,188,419
471	Brielle Borough	1308001-004	Brielle Drinking Water Storage Tanks Project	\$ 2,460,000	\$ 2,460,000
<b>500</b>	<b>Brielle Borough</b>	<b>1308001-005</b>	<b>Old Bridge Road Elevated Water Storage Tank</b>	<b>\$ 3,600,000</b>	<b>\$ 3,600,000</b>
461	Brigantine City	0103001-501	Installation of generators @ well (SANDY)	\$ 2,900,000	\$ 2,900,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
147	Burlington City	0305001-002	Meter Replacement & Filter Rehabilitation	\$ 3,600,000	\$ 3,600,000
9	Buttonwood Mobile Home Park	0301001-001	Buttonwood system	\$ 318,000	\$ 318,000
99	Camden City	0408001-022	Install potable wells/flr elevations @ Morris Delair WTP	\$ 1,400,000	\$ 1,400,000
264	Clementon Borough	0411001-001	Rehab of Gibbsboro Water Main	\$ 500,000	\$ 500,000
520	Clementon Borough	0411001-002	Rehab of well 9 including slip lining to improve conveyance	\$ 1,400,000	\$ 1,400,000
390	Clinton Town	1005001-006	Lebanon Borough WM Replacements - Phase II through Phase V	\$ 4,300,000	\$ 4,300,000
591	Clinton Town	1005001-007	Replace Water Meters	\$ 4,277,804	\$ 4,277,804
179	Clinton Town	1005001-011	Glen Eagles Dr, Muirfield Ln, and Heather Hill Way WM Replacement	\$ 1,265,807	\$ 1,265,807
179	Clinton Town	1005001-010	W Main St WM Replacement Project - Asset Management Planning	\$ 1,448,187	\$ 1,448,187
287	East Greenwich	0803001-004	Installation of Filtration System at Well #3	\$ 2,280,200	\$ 2,280,200
37	East Orange City	0705001-014	Water System Improvement and Resiliency Project 2017	\$ 33,000,000	\$ 33,000,000
381	East Windsor Municipal Utilities Authority	1101002-005	Twin Rivers (H section) Water Main Replacement Project	\$ 1,420,000	\$ 1,420,000
275	Evesham Municipal Utilities Authority	0313001-001	Wells 13 & 14 Treatment Improvements	\$ 2,600,000	\$ 2,600,000
373	Evesham Municipal Utilities Authority	0313001-002	2018 Water Main Replacements	\$ 6,500,000	\$ 6,500,000
318	Flemington Borough	1009001-009	Water Tank Construction and Various Improvements	\$ 4,500,000	\$ 4,500,000
128	Freehold Borough	1315001-002	Water Plant Development	\$ 6,440,000	\$ 6,440,000
443	Freehold Borough	1315001-003	Replacement of Well No. 3	\$ 6,000,000	\$ 6,000,000
182	Glen Ridge Borough	0708001-008	Repair / Replace Lead Service Water-Line / Fire Hydrants & Water System Asset Management Plan	\$ 2,573,210	\$ 2,573,210
256	Gloucester City	0414001-022	Replacement of 1,200 LF of 8" cast iron main on Brown Street	\$ 1,200,000	\$ 1,200,000
603	Hamburg Borough	1909001-001	Small System Asset Management	\$ 85,000	\$ 85,000
523	Hampton Borough	1013001-001	New back up well 5 to address firm capacity requirements	\$ 1,800,000	\$ 1,800,000
544	Hardyston Municipal Utility Authority	1911006-001	Water Meter Replacement	\$ 477,400	\$ 477,400
320	Hardyston Municipal Utility Authority	1911006-002	Water Tank Refurbishment	\$ 966,000	\$ 966,000
642	Hardyston Municipal Utility Authority	1911006-003	Asset Management Plan	\$ 100,000	\$ 100,000
612	Harvey Cedars Borough	1509001-002	Installation of a Water Monitoring Well	\$ 1,100,000	\$ 1,100,000
636	Highbridge Borough	1014001-001	Asset Management Plan for the High Bridge Water System	\$ 75,000	\$ 75,000
543	Highbridge Borough	1014001-002	Improvements to water system	\$ 1,076,758	\$ 1,076,758
404	Hightstown Borough	1104001-010	2017 Water Main Improvements	\$ 1,775,678	\$ 1,775,678
215	Hoboken City	0905001-001	Washington St. Water Main / Green Infrastructure Drainage Improv.	\$ 8,500,000	\$ 8,500,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
326	Hoboken City	0905001-002	Water Main Upgrades	\$ 5,900,000	\$ 5,900,000
111	Hopatcong Borough	1912001-001	Hudson Avenue Water Main Installation	\$ 1,000,000	\$ 1,000,000
602	Hopatcong Borough	1912001-004	Small System Asset Management	\$ 100,000	\$ 100,000
219	Jackson Township Municipal Utilities Authority	1511001-010	Demolition of Facilities, Replace Storage Tank, Well #3	\$ 8,200,000	\$ 8,200,000
489	Jackson Township Municipal Utilities Authority	1511001-011	Improvements to Manhattan St Complex, Garage & Admin Bldg.	\$ 1,600,000	\$ 1,600,000
201	Jackson Township Municipal Utilities Authority	1511001-013	Six Flags Great Adventure Water Treatment Plant Replacement	\$ 20,000,000	\$ 20,000,000
437	Jackson Township Municipal Utilities Authority	1511001-012	Western Water Main Extension	\$ 11,000,000	\$ 11,000,000
82	Jersey City Municipal Utilities Authority	0906001-017	Boonton Plant Centrifuge	\$ 1,566,216	\$ 1,566,216
194	Jersey City Municipal Utilities Authority	0906001-016	Large Valve Replacement Program-Phase 2	\$ 7,321,200	\$ 7,321,200
213	Jersey City Municipal Utilities Authority	0906001-015	Van Winkle Ave. Water Main Replacement	\$ 3,589,266	\$ 3,589,266
306	Jersey City Municipal Utilities Authority	0906001-018	Tonnele Avenue Water Main Replacement and Relining	\$ 7,442,800	\$ 7,442,800
321	Jersey City Municipal Utilities Authority	0906001-009	Burma Road Area Water System Improvements	\$ 2,770,000	\$ 2,770,000
151	Jersey City Municipal Utilities Authority	0906001-010	Journal Square North Cleaning	\$ 16,900,000	\$ 16,900,000
151	Jersey City Municipal Utilities Authority	0906001-006	Transmission Main Install	\$ 19,000,000	\$ 19,000,000
151	Jersey City Municipal Utilities Authority	0906001-012	Water Main Replacement	\$ 18,000,000	\$ 18,000,000
92	Jersey City Municipal Utilities Authority	0906001-019	Route 139 Water Main Replacement Project	\$ 6,060,000	\$ 6,060,000
198	Jersey City Municipal Utilities Authority	0906001-020	Phase 3 and 4 Water Main Replacement Project	\$ 4,000,000	\$ 4,000,000
198	Jersey City Municipal Utilities Authority	0906001-021	Phase 5 Water Mains	\$ 9,100,000	\$ 9,100,000
195	Jersey City Municipal Utilities Authority	0906001-024	Phase 2A Water	\$ 11,640,000	\$ 11,640,000
195	Jersey City Municipal Utilities Authority	0906001-023	Phase 5A Water Project	\$ 9,300,000	\$ 9,300,000
217	Kearny Town	0907001-001A	Water Facility and ground Improv. program	\$ 29,000,000	\$ 29,000,000
94	Lakehurst Borough	1513001-002	Water Main Replacement Project Phase I	\$ 1,084,633	\$ 1,084,633
112	Little Egg Harbor Municipal Utilities Authority	1516001-005	Little Egg Harbor Water Improvements Phases I	\$ 6,609,594	\$ 6,609,594
562	Little Egg Harbor Municipal Utilities Authority	1516001-500	Radio Road Water Treatment Plant (SANDY)	\$ 1,000,000	\$ 1,000,000
562	Little Egg Harbor Municipal Utilities Authority	1516001-003	Water Treatment Plant at High Ridge Rd (SANDY)	\$ 4,750,000	\$ 4,750,000
338	Long Beach Township	1517001-015	Water Main Replacement Project	\$ 4,159,201	\$ 4,159,201
277	Long Beach Township	1517001-501	Brant Beach Water Plant (SANDY)	\$ 2,300,000	\$ 2,300,000
277	Long Beach Township	1517001-502	Raise Well 4, reconstruct filter room & pumps	\$ 11,500,000	\$ 11,500,000
110	Lower Township Municipal Utilities Authority	0505002-003	Villas East Phase 2 and Lower Cape May Regional water main extensions	\$ 6,923,406	\$ 6,923,406

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
108	Manchester Township	1518005-002	Repaint and repair one MG elevated storage facility	\$ 5,500,000	\$ 5,500,000
456	Marlboro Township	1328002-003	Beacon Hill storage tank Rehab	\$ 1,714,000	\$ 1,714,000
605	Marlboro Township	1328002-004	New Stand-by Well 5A	\$ 1,385,000	\$ 1,385,000
165	Middlesex Water Company	1225001-028	RENEW 2018 - Carteret	\$ 14,000,000	\$ 14,000,000
124	Middlesex Water Company	1225001-029	CJO Plant Upgrade - DBP Removal Treatment	\$ 55,000,000	\$ 55,000,000
237	Middlesex Water Company	1225001-027	RENEW 2019 - Carteret	\$ 11,200,000	\$ 11,200,000
272	Middlesex Water Company	1225001-025	Western Transmission Main	\$ 57,000,000	\$ 57,000,000
316	Milltown Borough	1212001-002	Ford Ave Redevelopment	\$ 1,606,000	\$ 1,606,000
403	Milltown Borough	1212001-005	Water Storage Tank Rehabilitation	\$ 1,800,000	\$ 1,800,000
327	Monroe Municipal Utilities Authority	0811002-001	Tank Painting	\$ 2,300,000	\$ 2,300,000
31	Moorestown Township	0322001-001	North Church Street Water Treatment Plant Upgrade	\$ 21,000,000	\$ 21,000,000
280	Moorestown Township	0322001-002	Hartford Road Water Treatment Plant Upgrade	\$ 14,000,000	\$ 14,000,000
491	Mount Arlington Borough	1426005-001	Mount Arlington Asset Management Plan	\$ 250,285	\$ 250,285
319	National Park Borough	0812001-004	Replacement of Wells 5 & 6	\$ 1,700,000	\$ 1,700,000
183	Netcong Borough	1428001-009	Meter Upgrades	\$ 400,000	\$ 400,000
138	Netcong Borough	1428001-008	Rehabilitate existing storage facilities	\$ 1,100,000	\$ 1,100,000
103	Netcong Borough	1428001-007	Replace WM on Rte. 46, Extend WM on Rte. 80, Replace Meters	\$ 3,700,000	\$ 3,700,000
25	New Brunswick City	1214001-005	Water Treatment Plant Improvements	\$ 15,500,000	\$ 15,500,000
26	Newark City	0714001-016	Pequannock Water Treatment Plant Rehab	\$ 14,000,000	\$ 14,000,000
5	Newark City	0714001-019	Phase-1 Lead Service Line Replacement (LSLR)	\$ 12,175,000	\$ 12,175,000
89	Newark City	0714001-018	Replacement of Water Distribution Mains	\$ 5,150,000	\$ 5,150,000
38	Newark City	0714001-017	Water Distribution System Upgrades	\$ 2,000,000	\$ 2,000,000
227	NJ American Water Company	1345001-021	Swimming River WTP 2nd Clearwell	\$ 22,117,195	\$ 22,117,195
347	NJ American Water Company, Incorporated	1345001-019	Howell-Lakewood Transmission Main	\$ 60,000,000	\$ 60,000,000
429	NJ American Water Company, Incorporated	2004002-013	RM WTP Emergency Generator	\$ 16,000,000	\$ 16,000,000
14	NJ American Water Company, Incorporated	1345001-017	Oak Street Treatment Plant Improvements	\$ 10,100,000	\$ 10,100,000
106	NJ American Water Company, Incorporated	0712001-016	NJ American Water Lead Service Line Replacement Program	\$ 6,576,000	\$ 6,576,000
301	NJ American Water Company, Incorporated	2004002-012	NJ American Water Lead Service Line Replacement Program	\$ 8,974,000	\$ 8,974,000
588	North Brunswick Township	1215001-006	Water Meter Replacement	\$ 7,157,000	\$ 7,157,000
57	North Jersey Dist. Water Supply Comm.	1613001-029	Basins 1-4 Flocculator Rehabilitation	\$ 2,900,000	\$ 2,900,000
57	North Jersey Dist. Water Supply Comm.	1613001-022	Basins 5 & 6 Rehabilitation	\$ 17,000,000	\$ 17,000,000
57	North Jersey Dist. Water Supply Comm.	1613001-027	Expansion of Aeration System	\$ 2,300,000	\$ 2,300,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
57	North Jersey Dist. Water Supply Comm.	1613001-028	Filter Bldg. Pipe Gallery Dehumidify	\$ 2,000,000	\$ 2,000,000
57	North Jersey Dist. Water Supply Comm.	1613001-026	Low Lift Gas Pump <b>(SANDY)</b>	\$ 12,900,000	\$ 12,900,000
225	North Jersey Dist. Water Supply Comm.	1613001-030	Modify and Expand Central Receiving Building	\$ 2,364,000	\$ 2,364,000
57	North Jersey Dist. Water Supply Comm.	1613001-031	Purchase and Install New Dewatering System	\$ 3,800,000	\$ 3,800,000
57	North Jersey Dist. Water Supply Comm.	1613001-025	Recycle Clear Phase to the Head of the Treatment Plant	\$ 24,000,000	\$ 24,000,000
96	North Jersey Dist. Water Supply Comm.	1613001-035	Rehabilitation of Pump Stations	\$ 3,800,000	\$ 3,800,000
57	North Jersey Dist. Water Supply Comm.	1613001-032	Rehabilitation of Treatment Facility	\$ 3,600,000	\$ 3,600,000
118	North Jersey Dist. Water Supply Comm.	1613001-033	Security Enhancements Project - Orechio Dr Complex	\$ 4,100,000	\$ 4,100,000
118	North Jersey Dist. Water Supply Comm.	1613001-034	Security, IT and Safety Projects	\$ 1,600,000	\$ 1,600,000
16	North Shore Water Association	1904004-001	Existing Well Requires Replacement	\$ 500,000	\$ 500,000
426	North Shore Water Association	1904004-002	Water System Refurb	\$ 453,900	\$ 453,900
16	North Shore Water Association	1904004-004	Water System Refurb	\$ 200,000	\$ 200,000
269	Oak Ridge Senior Housing Community	1414008-001	Water Line Upgrades	\$ 530,300	\$ 530,300
608	Oakland Borough	0220001-001	Construct new well 10A as backup for well 10	\$ 3,133,000	\$ 3,133,000
512	Oakland Borough	0220001-003	diesel generator for well 9 <b>(SANDY)</b>	\$ 3,133,000	\$ 3,133,000
465	Oakland Borough	0220001-004	Rehab of Iroquois Pumping Station	\$ 3,133,000	\$ 3,133,000
590	Oakland Borough	0220001-002	Replace 4600 water meters	\$ 3,133,000	\$ 3,133,000
366	Old Bridge Municipal Utilities Authority	1209002-013	Knollcroft Water Main Rehabilitation	\$ 4,000,000	\$ 4,000,000
626	Old Bridge Municipal Utilities Authority	1209002-014	Perrine Road Carbon Absorber Facility	\$ 1,750,000	\$ 1,750,000
4	Passaic Valley Water Commission	1605002-014	Phase I - Levine Reservoir Water Storage Improvements	\$ 26,100,000	\$ 26,100,000
113	Paulsboro Borough	0814001-003	Water Main Replacement	\$ 2,800,000	\$ 2,800,000
370	Perth Amboy City	1216001-500	Install New Stand-by Generator for Runyon Water Treat. Plant <b>(SANDY)</b>	\$ 2,750,000	\$ 2,750,000
593	Point Pleasant Beach Borough	1525001-001	Water Meter Replacement Project	\$ 1,930,000	\$ 1,930,000
632	Ridgefield Park Village	0238001-002	Village of Ridgefield Park Skymark Project	\$ 1,752,308	\$ 1,752,308
129	Salem City	1712001-004	Salem City Water Meter upgrades	\$ 1,345,520	\$ 1,345,520
637	Seaside Park Borough	1527001-003	Water Asset Management Plan	\$ 70,200.00	\$ 70,200.00
637	Seaside Park Borough	1527001-004	Well #10 Treatment Facility	\$ 1,500,000	\$ 1,500,000
265	Ship Bottom Borough	1528001-002	Water main Replacement Project	\$ 3,750,000	\$ 3,750,000
554	South Orange Village	0719001-004	Farrell Field (Walton Ave & Audley St.) Interconnection Rehab.	\$ 150,000	\$ 150,000
554	South Orange Village	0719001-003	South Orange Ave and Holland Road Interconnection Rehabilitation	\$ 150,000	\$ 150,000
441	South Orange Village	0719001-006	Repair or Replace Newstead Sphere	\$ 1,950,000	\$ 1,950,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
598	South Orange Village	0719001-001	Well 17 Rehabilitation	\$ 250,000	\$ 250,000
<b>203</b>	<b>South Orange Village</b>	<b>0719001-012</b>	<b>South Orange Newstead Watersphere Emergency Repairs</b>	<b>\$ 640,000</b>	<b>\$ 640,000</b>
633	Spotswood Borough	1224001-002	Water Master Pan	\$ 85,265	\$ 85,265
401	Spotswood Borough	1224001-001	Cleaning and lining of approximately 3,600 LF of water mains	\$ 3,443,914	\$ 3,443,914
309	Stafford Township	1530004-019	Mill Creek Water Main Replacement Phase II	\$ 1,900,000	\$ 1,900,000
10	Trenton City	1111001-011	Lead Service Line Replacement	\$ 15,900,000	\$ 15,900,000
266	Tuckerton Borough	1532002-006	Heron Road Water Main Replacement Project	\$ 1,470,150	\$ 1,470,150
233	Vineland City	0614003-017	2016 Water Distribution Rehabilitation Project	\$ 3,100,000	\$ 3,100,000
560	Vineland City	0614003-016	Well No. 17 Treatment Facility	\$ 9,000,000	\$ 9,000,000
170	Wall Township	1352003-001	Route 138 Water Main Improvements	\$ 1,800,000	\$ 1,800,000
170	Wall Township	1352003-002	Route 34 Water Main Improvements	\$ 3,700,000	\$ 3,700,000
186	Willingboro Municipal Utilities Authority	0338001-011	Well No. 6 Water Treatment Plant Upgrade	\$ 10,621,600	\$ 10,621,600
482	Wonder Lakes Properties, Inc.	1615017-003	Replace hydro-pneumatic tank and install new tank	\$ 30,000	\$ 30,000
84	Woodbine Borough	0516001-001	WTP Upgrade and water main extension	\$ 3,239,500	\$ 3,239,500
419	Woodland Heights Homeowners Association	1615022-001	Well Rehabilitation/System Improvements	\$ 560,000	\$ 560,000
	<b>Sandy and Base Amended SFY2018/SFY2019 DW Projects: #</b>	<b>156</b>	<b>Subtotal</b>	<b>\$ 996,534,728</b>	<b>\$ 996,534,728</b>
	<b>Total Drinking Water Projects: #</b>	<b>156</b>	<b>Total Drinking Water Projects:</b>	<b>\$ 996,534,728</b>	<b>\$ 996,534,728</b>
	<b>TOTAL NUMBER OF PROJECTS (CW, DW and Supplemental):</b>	<b>405</b>	<b>TOTAL PROJECT COSTS (CW, DW and Supplemental):</b>	<b>\$ 3,949,976,603</b>	<b>\$ 3,949,976,603</b>

**Appendix B-2  
Drinking Water (by Ranked Order)**

Combined Base SFY2020/Superstorm Sandy Interim Drinking Water Financing Program  
Third Amended SFY2019 Drinking Water Interim Financing Program  
Project Priority Lists

**KEY:** Green = New projects or increases in project costs since the Second Amended SFY2019 Interim Financing Program Project Priority List are identified

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
<b>Supplemental Loans</b>					
	<b>Supplemental Loans: #</b>	<b>0</b>	<b>Subtotal:</b>	\$ -	\$ -

<b>Base Program &amp; Superstorm SANDY Projects</b>					
4	Passaic Valley Water Commission	1605002-014	Phase I - Levine Reservoir Water Storage Improvements	\$ 26,100,000	\$ 26,100,000
5	Newark City	0714001-019	Phase-1 Lead Service Line Replacement (LSLR)	\$ 12,175,000	\$ 12,175,000
9	Buttonwood Mobile Home Park	0301001-001	Buttonwood system	\$ 318,000	\$ 318,000
10	Trenton City	1111001-011	Lead Service Line Replacement	\$ 15,900,000	\$ 15,900,000
13	<b>Bloomfield Township</b>	<b>0702001-003</b>	<b>Lead Service Line Replacement</b>	\$ 6,440,000	\$ 6,440,000
14	NJ American Water Company, Incorporated	1345001-017	Oak Street Treatment Plant Improvements	\$ 10,100,000	\$ 10,100,000
16	North Shore Water Association	1904004-001	Existing Well Requires Replacement	\$ 500,000	\$ 500,000
16	North Shore Water Association	1904004-004	Water System Refurb	\$ 200,000	\$ 200,000
18	ADTI Housing Corporation	2103002-001	Chlorination system	\$ 400,000	\$ 400,000
25	New Brunswick City	1214001-005	Water Treatment Plant Improvements	\$ 15,500,000	\$ 15,500,000
26	Newark City	0714001-016	Pequannock Water Treatment Plant Rehab	\$ 14,000,000	\$ 14,000,000
31	Moorestown Township	0322001-001	North Church Street Water Treatment Plant Upgrade	\$ 21,000,000	\$ 21,000,000
37	East Orange City	0705001-014	Water System Improvement and Resiliency Project 2017	\$ 33,000,000	\$ 33,000,000
38	Newark City	0714001-017	Water Distribution System Upgrades	\$ 2,000,000	\$ 2,000,000
48	Brick Township Municipal Utilities Authority	1506001-011	Granular Activated Carbon Treatment Addition	\$ 20,890,000	\$ 20,890,000
57	North Jersey Dist. Water Supply Comm.	1613001-029	Basins 1-4 Flocculator Rehabilitation	\$ 2,900,000	\$ 2,900,000
57	North Jersey Dist. Water Supply Comm.	1613001-022	Basins 5 & 6 Rehabilitation	\$ 17,000,000	\$ 17,000,000
57	North Jersey Dist. Water Supply Comm.	1613001-027	Expansion of Aeration System	\$ 2,300,000	\$ 2,300,000
57	North Jersey Dist. Water Supply Comm.	1613001-028	Filter Bldg. Pipe Gallery Dehumidify	\$ 2,000,000	\$ 2,000,000
57	North Jersey Dist. Water Supply Comm.	1613001-026	Low Lift Gas Pump (SANDY)	\$ 12,900,000	\$ 12,900,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
57	North Jersey Dist. Water Supply Comm.	1613001-031	Purchase and Install New Dewatering System	\$ 3,800,000	\$ 3,800,000
57	North Jersey Dist. Water Supply Comm.	1613001-025	Recycle Clear Phase to the Head of the Treatment Plant	\$ 24,000,000	\$ 24,000,000
57	North Jersey Dist. Water Supply Comm.	1613001-032	Rehabilitation of Treatment Facility	\$ 3,600,000	\$ 3,600,000
82	Jersey City Municipal Utilities Authority	0906001-017	Boonton Plant Centrifuge	\$ 1,566,216	\$ 1,566,216
84	Woodbine Borough	0516001-001	WTP Upgrade and water main extension	\$ 3,239,500	\$ 3,239,500
89	Newark City	0714001-018	Replacement of Water Distribution Mains	\$ 5,150,000	\$ 5,150,000
92	Jersey City Municipal Utilities Authority	0906001-019	Route 139 Water Main Replacement Project	\$ 6,060,000	\$ 6,060,000
94	Lakehurst Borough	1513001-002	Water Main Replacement Project Phase I	\$ 1,084,633	\$ 1,084,633
96	North Jersey Dist. Water Supply Comm.	1613001-035	Rehabilitation of Pump Stations	\$ 3,800,000	\$ 3,800,000
99	Camden City	0408001-022	Install potable wells/flr elevations @ Morris Delair WTP	\$ 1,400,000	\$ 1,400,000
103	Netcong Borough	1428001-007	Replace WM on Rte. 46, Extend WM on Rte. 80, Replace Meters	\$ 3,700,000	\$ 3,700,000
106	NJ American Water Company, Incorporated	0712001-016	NJ American Water Lead Service Line Replacement Program	\$ 6,576,000	\$ 6,576,000
108	Manchester Township	1518005-002	Repaint and repair one MG elevated storage facility	\$ 5,500,000	\$ 5,500,000
110	Lower Township Municipal Utilities Authority	0505002-003	Villas East Phase 2 and Lower Cape May Regional water main extensions	\$ 6,923,406	\$ 6,923,406
111	Hopatcong Borough	1912001-001	Hudson Avenue Water Main Installation	\$ 1,000,000	\$ 1,000,000
112	Little Egg Harbor Municipal Utilities Authority	1516001-005	Little Egg Harbor Water Improvements Phases I	\$ 6,609,594	\$ 6,609,594
113	Paulsboro Borough	0814001-003	Water Main Replacement	\$ 2,800,000	\$ 2,800,000
118	North Jersey Dist. Water Supply Comm.	1613001-033	Security Enhancements Project - Orechio Dr Complex	\$ 4,100,000	\$ 4,100,000
118	North Jersey Dist. Water Supply Comm.	1613001-034	Security, IT and Safety Projects	\$ 1,600,000	\$ 1,600,000
124	Middlesex Water Company	1225001-029	CJO Plant Upgrade - DBP Removal Treatment	\$ 55,000,000	\$ 55,000,000
128	Freehold Borough	1315001-002	Water Plant Development	\$ 6,440,000	\$ 6,440,000
129	Salem City	1712001-004	Salem City Water Meter upgrades	\$ 1,345,520	\$ 1,345,520
138	Netcong Borough	1428001-008	Rehabilitate existing storage facilities	\$ 1,100,000	\$ 1,100,000
147	Burlington City	0305001-002	Meter Replacement & Filter Rehabilitation	\$ 3,600,000	\$ 3,600,000
151	Jersey City Municipal Utilities Authority	0906001-010	Journal Square North Cleaning	\$ 16,900,000	\$ 16,900,000
151	Jersey City Municipal Utilities Authority	0906001-006	Transmission Main Install	\$ 19,000,000	\$ 19,000,000
151	Jersey City Municipal Utilities Authority	0906001-012	Water Main Replacement	\$ 18,000,000	\$ 18,000,000
157	Bellmawr Borough	0404001-005	Improvements to WTP	\$ 500,000	\$ 500,000
165	Middlesex Water Company	1225001-028	RENEW 2018 - Carteret	\$ 14,000,000	\$ 14,000,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
170	Wall Township	1352003-001	Route 138 Water Main Improvements	\$ 1,800,000	\$ 1,800,000
170	Wall Township	1352003-002	Route 34 Water Main Improvements	\$ 3,700,000	\$ 3,700,000
179	Clinton Town	1005001-011	Glen Eagles Dr, Muirfield Ln, and Heather Hill Way WM Replacement	\$ 1,265,807	\$ 1,265,807
179	Clinton Town	1005001-010	W Main St WM Replacement Project - Asset Management Planning	\$ 1,448,187	\$ 1,448,187
182	Glen Ridge Borough	0708001-008	Repair / Replace Lead Service Water-Line / Fire Hydrants & Water System Asset Management Plan	\$ 2,573,210	\$ 2,573,210
183	Netcong Borough	1428001-009	Meter Upgrades	\$ 400,000	\$ 400,000
186	Willingboro Municipal Utilities Authority	0338001-011	Well No. 6 Water Treatment Plant Upgrade	\$ 10,621,600	\$ 10,621,600
194	Jersey City Municipal Utilities Authority	0906001-016	Large Valve Replacement Program-Phase 2	\$ 7,321,200	\$ 7,321,200
195	Jersey City Municipal Utilities Authority	0906001-024	Phase 2A Water	\$ 11,640,000	\$ 11,640,000
195	Jersey City Municipal Utilities Authority	0906001-023	Phase 5A Water Project	\$ 9,300,000	\$ 9,300,000
198	Jersey City Municipal Utilities Authority	0906001-020	Phase 3 and 4 Water Main Replacement Project	\$ 4,000,000	\$ 4,000,000
198	Jersey City Municipal Utilities Authority	0906001-021	Phase 5 Water Mains	\$ 9,100,000	\$ 9,100,000
201	Jackson Township Municipal Utilities Authority	1511001-013	Six Flags Great Adventure Water Treatment Plant Replacement	\$ 20,000,000	\$ 20,000,000
203	South Orange Village	0719001-012	South Orange Newstead Watersphere Emergency Repairs	\$ 640,000	\$ 640,000
205	Berkeley Township Municipal Utilities Authority	1505004-009	Installation of New Well #4 with WM to Connect to WTP	\$ 2,200,000	\$ 2,200,000
211	Allentown Borough	1302001-004	Water Treatment Plant Improvements	\$ 2,328,960	\$ 2,328,960
213	Jersey City Municipal Utilities Authority	0906001-015	Van Winkle Ave. Water Main Replacement	\$ 3,589,266	\$ 3,589,266
215	Hoboken City	0905001-001	Washington St. Water Main / Green Infrastructure Drainage Improv.	\$ 8,500,000	\$ 8,500,000
217	Kearny Town	0907001-001A	Water Facility and ground Improv. program	\$ 29,000,000	\$ 29,000,000
219	Jackson Township Municipal Utilities Authority	1511001-010	Demolition of Facilities, Replace Storage Tank, Well #3	\$ 8,200,000	\$ 8,200,000
225	North Jersey Dist. Water Supply Comm.	1613001-030	Modify and Expand Central Receiving Building	\$ 2,364,000	\$ 2,364,000
227	NJ American Water Company	1345001-021	Swimming River WTP 2nd Clearwell	\$ 22,117,195	\$ 22,117,195
233	Vineland City	0614003-017	2016 Water Distribution Rehabilitation Project	\$ 3,100,000	\$ 3,100,000
237	Middlesex Water Company	1225001-027	RENEW 2019 - Carteret	\$ 11,200,000	\$ 11,200,000
243	Bellmawr Borough	0404001-006	Various Water System Improvements	\$ 2,300,000	\$ 2,300,000
256	Gloucester City	0414001-022	Replacement of 1,200 LF of 8" cast iron main on Brown Street	\$ 1,200,000	\$ 1,200,000
264	Clementon Borough	0411001-001	Rehab of Gibbsboro Water Main	\$ 500,000	\$ 500,000
265	Ship Bottom Borough	1528001-002	Water main Replacement Project	\$ 3,750,000	\$ 3,750,000
266	Tuckerton Borough	1532002-006	Heron Road Water Main Replacement Project	\$ 1,470,150	\$ 1,470,150

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
269	Oak Ridge Senior Housing Community	1414008-001	Water Line Upgrades	\$ 530,300	\$ 530,300
271	Brick Township Municipal Utilities Authority	1506001-007	Chlorine Disinfection System Relocation	\$ 3,800,000	\$ 3,800,000
272	Middlesex Water Company	1225001-025	Western Transmission Main	\$ 57,000,000	\$ 57,000,000
275	Evesham Municipal Utilities Authority	0313001-001	Wells 13 & 14 Treatment Improvements	\$ 2,600,000	\$ 2,600,000
277	Long Beach Township	1517001-501	Brant Beach Water Plant (SANDY)	\$ 2,300,000	\$ 2,300,000
277	Long Beach Township	1517001-502	Raise Well 4, reconstruct filter room & pumps	\$ 11,500,000	\$ 11,500,000
280	Moorestown Township	0322001-002	Hartford Road Water Treatment Plant Upgrade	\$ 14,000,000	\$ 14,000,000
287	East Greenwich	0803001-004	Installation of Filtration System at Well #3	\$ 2,280,200	\$ 2,280,200
301	NJ American Water Company, Incorporated	2004002-012	NJ American Water Lead Service Line Replacement Program	\$ 8,974,000	\$ 8,974,000
303	Brick Township Municipal Utilities Authority	1506001-009	Breton Woods Water Main Replacement - Phase I	\$ 5,928,760	\$ 5,928,760
303	Brick Township Municipal Utilities Authority	1506001-008	Undersized Water Main Replacement Cedar Park East and West	\$ 6,550,000	\$ 6,550,000
305	Brick Township Municipal Utilities Authority	1506001-010	Hydrant Replacement in Baywood Section	\$ 1,160,000	\$ 1,160,000
306	Jersey City Municipal Utilities Authority	0906001-018	Tonnele Avenue Water Main Replacement and Relining	\$ 7,442,800	\$ 7,442,800
309	Stafford Township	1530004-019	Mill Creek Water Main Replacement Phase II	\$ 1,900,000	\$ 1,900,000
316	Milltown Borough	1212001-002	Ford Ave Redevelopment	\$ 1,606,000	\$ 1,606,000
318	Flemington Borough	1009001-009	Water Tank Construction and Various Improvements	\$ 4,500,000	\$ 4,500,000
319	National Park Borough	0812001-004	Replacement of Wells 5 & 6	\$ 1,700,000	\$ 1,700,000
320	Hardyston Municipal Utility Authority	1911006-002	Water Tank Refurbishment	\$ 966,000	\$ 966,000
321	Jersey City Municipal Utilities Authority	0906001-009	Burma Road Area Water System Improvements	\$ 2,770,000	\$ 2,770,000
326	Hoboken City	0905001-002	Water Main Upgrades	\$ 5,900,000	\$ 5,900,000
327	Monroe Municipal Utilities Authority	0811002-001	Tank Painting	\$ 2,300,000	\$ 2,300,000
338	Long Beach Township	1517001-015	Water Main Replacement Project	\$ 4,159,201	\$ 4,159,201
347	NJ American Water Company, Incorporated	1345001-019	Howell-Lakewood Transmission Main	\$ 60,000,000	\$ 60,000,000
365	Brick Township Municipal Utilities Authority	1506001-013	Water Main Stream Crossings Replacements at Various locations	\$ 4,188,419	\$ 4,188,419
366	Old Bridge Municipal Utilities Authority	1209002-013	Knollcroft Water Main Rehabilitation	\$ 4,000,000	\$ 4,000,000
368	Bayonne Municipal Utilities Authority	0901001-006	Aqueduct Replacement	\$ 12,000,000	\$ 12,000,000
370	Perth Amboy City	1216001-500	Install New Stand-by Generator for Runyon Water Treat. Plant (SANDY)	\$ 2,750,000	\$ 2,750,000
373	Evesham Municipal Utilities Authority	0313001-002	2018 Water Main Replacements	\$ 6,500,000	\$ 6,500,000
381	East Windsor Municipal Utilities Authority	1101002-005	Twin Rivers (H section) Water Main Replacement Project	\$ 1,420,000	\$ 1,420,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
384	Aberdeen Township	1330004-001	Woodfield Area Water System Rehabilitation	\$ 3,900,000	\$ 3,900,000
390	Clinton Town	1005001-006	Lebanon Borough WM Replacements - Phase II through Phase V	\$ 4,300,000	\$ 4,300,000
401	Spotswood Borough	1224001-001	Cleaning and lining of approximately 3,600 LF of water mains	\$ 3,443,914	\$ 3,443,914
403	Milltown Borough	1212001-005	Water Storage Tank Rehabilitation	\$ 1,800,000	\$ 1,800,000
404	Hightstown Borough	1104001-010	2017 Water Main Improvements	\$ 1,775,678	\$ 1,775,678
406	Allentown Borough	1302001-002	Elevated Water Tank Improvements	\$ 549,100	\$ 549,100
419	Woodland Heights Homeowners Association	1615022-001	Well Rehabilitation/System Improvements	\$ 560,000	\$ 560,000
426	North Shore Water Association	1904004-002	Water System Refurb	\$ 453,900	\$ 453,900
429	NJ American Water Company, Incorporated	2004002-013	RM WTP Emergency Generator	\$ 16,000,000	\$ 16,000,000
437	Jackson Township Municipal Utilities Authority	1511001-012	Western Water Main Extension	\$ 11,000,000	\$ 11,000,000
441	South Orange Village	0719001-006	Repair or Replace Newstead Sphere	\$ 1,950,000	\$ 1,950,000
443	Freehold Borough	1315001-003	Replacement of Well No. 3	\$ 6,000,000	\$ 6,000,000
456	Marlboro Township	1328002-003	Beacon Hill storage tank Rehab	\$ 1,714,000	\$ 1,714,000
461	Brigantine City	0103001-501	Installation of generators @ well (SANDY)	\$ 2,900,000	\$ 2,900,000
465	Oakland Borough	0220001-004	Rehab of Iroquois Pumping Station	\$ 3,133,000	\$ 3,133,000
471	Brielle Borough	1308001-004	Brielle Drinking Water Storage Tanks Project	\$ 2,460,000	\$ 2,460,000
482	Wonder Lakes Properties, Inc.	1615017-003	Replace hydro-pneumatic tank and install new tank	\$ 30,000	\$ 30,000
485	Bloomfield Township	0702001-002	Water Meter Replacement	\$ 2,500,992	\$ 2,500,992
489	Jackson Township Municipal Utilities Authority	1511001-011	Improvements to Manhattan St Complex, Garage & Admin Bldg.	\$ 1,600,000	\$ 1,600,000
491	Mount Arlington Borough	1426005-001	Mount Arlington Asset Management Plan	\$ 250,285	\$ 250,285
500	Brielle Borough	1308001-005	Old Bridge Road Elevated Water Storage Tank	\$ 3,600,000	\$ 3,600,000
505	Brick Township Municipal Utilities Authority	1506001-012	Meter Replacement	\$ 5,420,000	\$ 5,420,000
512	Oakland Borough	0220001-003	Diesel generator for well 9 (SANDY)	\$ 3,133,000	\$ 3,133,000
520	Clementon Borough	0411001-002	Rehab of well 9 including slip lining to improve conveyance	\$ 1,400,000	\$ 1,400,000
523	Hampton Borough	1013001-001	New back up well 5 to address firm capacity requirements	\$ 1,800,000	\$ 1,800,000
543	Highbridge Borough	1014001-002	Improvements to water system	\$ 1,076,758	\$ 1,076,758
544	Hardyston Municipal Utility Authority	1911006-001	Water Meter Replacement	\$ 477,400	\$ 477,400
554	South Orange Village	0719001-004	Farrell Field (Walton Ave & Audley St.) Interconnection Rehab.	\$ 150,000	\$ 150,000
554	South Orange Village	0719001-003	South Orange Ave and Holland Road Interconnection Rehabilitation	\$ 150,000	\$ 150,000
560	Vineland City	0614003-016	Well No. 17 Treatment Facility	\$ 9,000,000	\$ 9,000,000

Rank	Applicant	Project No.	Project Title	Est. Proj. Amount SFY2019*	Est. Proj. Amount SFY2020*
562	Little Egg Harbor Municipal Utilities Authority	1516001-500	Radio Road Water Treatment Plant (SANDY)	\$ 1,000,000	\$ 1,000,000
562	Little Egg Harbor Municipal Utilities Authority	1516001-003	Water Treatment Plant at High Ridge Rd (SANDY)	\$ 4,750,000	\$ 4,750,000
588	North Brunswick Township	1215001-006	Water Meter Replacement	\$ 7,157,000	\$ 7,157,000
590	Oakland Borough	0220001-002	Replace 4600 water meters	\$ 3,133,000	\$ 3,133,000
591	Clinton Town	1005001-007	Replace Water Meters	\$ 4,277,804	\$ 4,277,804
593	Point Pleasant Beach Borough	1525001-001	Water Meter Replacement Project	\$ 1,930,000	\$ 1,930,000
598	South Orange Village	0719001-001	Well 17 Rehabilitation	\$ 250,000	\$ 250,000
602	Hopatcong Borough	1912001-004	Small System Asset Management	\$ 100,000	\$ 100,000
603	Hamburg Borough	1909001-001	Small System Asset Management	\$ 85,000	\$ 85,000
605	Marlboro Township	1328002-004	New Stand-by Well 5A	\$ 1,385,000	\$ 1,385,000
608	Oakland Borough	0220001-001	Construct new well 10A as backup for well 10	\$ 3,133,000	\$ 3,133,000
612	Harvey Cedars Borough	1509001-002	Installation of a Water Monitoring Well	\$ 1,100,000	\$ 1,100,000
626	Old Bridge Municipal Utilities Authority	1209002-014	Perrine Road Carbon Absorber Facility	\$ 1,750,000	\$ 1,750,000
632	Ridgefield Park Village	0238001-002	Village of Ridgefield Park Skymark Project	\$ 1,752,308	\$ 1,752,308
633	Spotswood Borough	1224001-002	Water Master Pan	\$ 85,265	\$ 85,265
636	Highbridge Borough	1014001-001	Asset Management Plan for the High Bridge Water System	\$ 75,000	\$ 75,000
637	Seaside Park Borough	1527001-003	Water Asset Management Plan	\$ 70,200.00	\$ 70,200.00
637	Seaside Park Borough	1527001-004	Well #10 Treatment Facility	\$ 1,500,000	\$ 1,500,000
642	Hardyston Municipal Utility Authority	1911006-003	Asset Management Plan	\$ 100,000	\$ 100,000
	<b>Sandy and Base Amended SFY2018/SFY22019 DW Projects: #</b>	<b>156</b>	<b>Subtotal</b>	<b>\$ 996,534,728</b>	<b>\$ 996,534,728</b>
	<b>Total Drinking Water Projects: #</b>	<b>156</b>	<b>Total Drinking Water Projects:</b>	<b>\$ 996,534,728</b>	<b>\$ 996,534,728</b>
	<b>TOTAL NUMBER OF PROJECTS (CW, DW and Supplemental):</b>	<b>405</b>	<b>TOTAL PROJECT COSTS (CW, DW and Supplemental):</b>	<b>\$ 3,949,976,603</b>	<b>\$ 3,949,976,603</b>

**Appendix C  
SAIL**

Projects financed through the **Statewide Assistance Infrastructure Loan Program**  
(Disaster Relief Emergency Financing Program)  
Through December 31, 2018

<b>Project #</b>	<b>Project Sponsor</b>	<b>Description</b>	<b>Loan Closing Date</b>	<b>Loan Note Amount</b>
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
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 and mitigation to the Sayreville Pump Station including the construction of a flood wall around the site perimeter, electrical system upgrades, and motor replacements.	12/8/2016	\$ 87,953,113

Project #	Project Sponsor	Description	Loan Closing Date	Loan Note Amount
S340699-12	Middlesex County Utilities Authority	Restoration and mitigation to the Sayreville Pump Station including the construction of a flood wall around the site perimeter, electrical system upgrades, and motor replacements.	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.	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
S340689-25	Passaic Valley Sewerage Commission	Renovations of the Administration Building including the removal and replacement of damaged plumbing, electrical, HVAC, and fire suppression systems, and a roof top addition to contain various utilities.	10/5/2016	\$ 9,100,000
S340689-30	Passaic Valley Sewerage Commission	Sump Pump Relocation	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*
<b>Total</b>				<b>\$ 192,277,451</b>

\*Estimated total project cost for S340689-40 is \$113,283,451, amount financed as of 12/15/18 is \$13,217,254

## **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 Safe Drinking Water Technical Assistance, Water Supply Operations Element in the Division of Water Supply, Sandra Krietzman, 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**  
State Fiscal Year 2018 Financing Program Summary

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
Atlantic County UA	\$ 5,683,515	\$ 647,821	\$ (439,323)	\$ 208,498	\$ 5,892,013	<b>Project # S340 809-23.</b> Providing energy power upgrades to Treatment Plant and adding resiliency through the purchase of a roll-off truck with a roll-off-skid-mounted diesel refueling system, installation of a new 15,000 gallon above-ground storage tank, purchase of portable diesel power module generators, purchase of six trailer-mounted portable pumps, and the construction of a permanent sump to provide a means to evacuate storm water from existing structures.
Atlantic County UA	\$ 358,739		\$ (72,197)	\$ (72,197)	\$ 286,542	<b>Project # S340 809-26.</b> Providing energy power upgrades to Treatment Plant and adding resiliency through the purchase of a roll-off truck with a roll-off-skid-mounted diesel refueling system, installation of a new 15,000 gallon above-ground storage tank, purchase of portable diesel power module generators, purchase of six trailer-mounted portable pumps, and the construction of a permanent sump to provide a means to evacuate storm water from existing structures.
Atlantic County UA	\$ 1,961,054		\$ (456,126)	\$ (456,126)	\$ 1,504,928	<b>Project # S340 809-27.</b> Purchase three new mechanical bar screens to replace the existing screening system thus improving the screening process and preventing grit from entering the downstream systems at the wastewater treatment plant. Purchase six new, automated sluice gates with electronic actuators, a self-contained compactor, and a bag feed and shaft less conveyor system.
Bayshore RSA	\$ 28,113,307		\$ (16,694,430)	\$ (16,694,430)	\$ 11,418,877	<b>Project # S340 697-05.</b> Repairs and improvements to Water Pollution Control Plant that was impacted and damaged by Superstorm Sandy. Restoration of damaged components of various plant buildings and pumping

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
						stations and restoring certain incinerator and dewatering equipment.
Berkeley Twp. MUA	\$ 625,076		\$ (102,925)	\$ (102,925)	\$ 522,151	<b>Project # 1505004-007.</b> Installation of new well with connection to wastewater treatment plant.
Berkeley Twp. MUA		\$ 1,799,146		\$ 1,799,146	\$ -	<b>Project # 1505004-009.</b> Installation of new well, construction of new water main from well to existing water treatment plant, construction of well building, trailer mounted generator, controls, pipe modifications and related work.
Bordentown City			\$ 1,182,033	\$ 1,182,033	\$ 1,182,033	<b>Project # 0303001-006.</b> Replacement of existing well to reduce the radium level in its potable water supply. The project includes drilling of the new replacement well, installation of permanent pumping equipment, and the construction of a masonry well house and associated conveyance piping.
Bradley Beach Borough		\$ 1,952,123		\$ 1,952,123	\$ -	<b>Project # S340 472-01.</b> Rehabilitation of sanitary sewer system and stormwater system by replacing 8-inch diameter vitrified clay sewer mains with 8-inch PVC mains, brick manholes with precast concrete manholes, 4-inch diameter sanitary sewer laterals with PVC laterals. Project will also replace storm drain, drainage inlets and manholes along Bradley Boulevard.
Bradley Beach Borough		\$ 389,614		\$ 389,614	\$ -	<b>Project # S340 472-02.</b> Rehabilitation of sanitary sewer system and stormwater system by replacing 8-inch diameter vitrified clay sewer mains with 8-inch PVC mains, brick manholes with precast concrete manholes, 4-inch diameter sanitary sewer laterals with PVC laterals. Project will also replace storm drain, drainage inlets and manholes along Bradley Boulevard.
Brick Twp. MUA		\$ 1,375,000		\$ 1,375,000	\$ -	<b>Project # 1506001-012.</b> Purchase of 30,000 water meters to replace in kind existing water meters.
Burlington Twp.			\$ 698,292	\$ 698,292	\$ 698,292	<b>Project # S340 712-15.</b> Rehabilitation of existing asbestos cement sanitary sewer mains in various areas of the Township. The project consists of lining the existing mains with a trenchless technology, cured-in-place pipe

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
						lining and seal leaking sewer laterals and repair of manholes.
Camden County MUA		\$ 76,164,967		\$ 76,164,967	\$ -	<b>Project # S340 640-18.</b> Upgrade wastewater treatment plant to improve performance, resiliency and reduce carbon footprint by construction of a sludge digester at the plant which is designed to reduce sludge generated at the plant thereby reduction odor potential and generate sufficient biogas to generate electricity needed to run the plant.
Camden County MUA (CSO)		\$ 2,641,264		\$ 2,641,264	\$ -	<b>Project # S340 640-17.</b> Upgrade dilapidated CSO and keep stormwater out of combined sewer system reducing potential for CSO flooding and overflows.
Cape May City			\$ 1,682,948	\$ 1,682,948	\$ 1,682,948	<b>Project # 0502001-004.</b> Drilling and connection of new Well No. 8 to replace existing Well No. 5, installation of new permanent pumping equipment, demolition of the existing well house and construction of a replacement well house. Water supply provided by Well No. 8 will be connected onsite to the existing Well No. 4 transmission main and conveyed to the City's treatment plant.
Carteret Borough		\$ 10,016,403	\$ 3,115,577	\$ 13,131,980	\$ 13,131,980	<b>Project # S340 939-09.</b> Upgrades to storm sewer collection infrastructure and construction of a clay-lined stormwater detention basin, a pump station with generator, a pump station outfall and tide gate. Stormwater collection system upgrades will include the installation of new reinforced concrete pipe, the construction of 24 new stormwater inlets and 13 new manholes, and the replacement of 32 existing inlets and 16 existing manholes.
Cinnaminson SA	\$ 7,583,040		\$ (98,357)	\$ (98,357)	\$ 7,484,683	<b>Project # S340 170-07.</b> Upgrade aeration system and sludge handling processes replacing the existing surface aerators with a diffused aeration system. Also replace a sludge return and sludge waste pump within service building, construct an odor control system, relocate storage sheds, and construct an addition to garage building to house a recently purchased Jet-Vac. truck.
Cinnaminson SA		\$ 751,544		\$ 751,544	\$ -	<b>Project # S340 170-08.</b> Installation of sanitary sewer service to 23 existing, developed properties. The

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
						properties currently are served by individual subsurface disposal systems, several of which are in excess of 20 years old.
Clinton Town	\$ 875,579		\$ (4,296)	\$ (4,296)	\$ 871,283	<b>Project # 1005001-008.</b> Construction of new water treatment facility and modifications to the Well No. 4 casing, to include the demolition of the existing chamber and below-grade treatment equipment and the construction of a new single-story water treatment facility. Improvements to Well No. 7, including the installation of a new submersible well pump, three variable speed booster pumps, piping, valves, a new flow meter, pressure transmitters, gauges, a well level indicator, SCADA communication equipment, natural gas generator emergency standby power system, and modification of the existing water storage tank with a mixing system, cathodic protection and manway hatch. Decommissioning Well No. 14.
Clinton Town	\$ 866,872		\$ (4,255)	\$ (4,255)	\$ 862,617	<b>Project # 1005001-009.</b> Renovations to Well 7 including new submersible well pump, three variable speed booster pumps, piping, valves, new flow meter, pressure transmitters, gauges, and well level indicator. Decommissioning of Well 14.
Cumberland County		\$ 1,000,000		\$ 1,000,000	\$ -	<b>Project # S340 438-03.</b> Construction of wastewater treatment plant and collection system for Fortescue and Gandys Beach to replace existing on site individual septic systems.
Cumberland County UA	\$ 1,064,392		\$ (14,302)	\$ (14,302)	\$ 1,050,090	<b>Project # S340 550-07.</b> Replace and improve various components of the headworks building, including to existing deteriorated handrails and grating, sluice gates and grit removal units. Also replace two aeration blowers with new, high-efficiency blowers, and rehabilitate the North Primary Clarifier. Convert pump station from a wet well/dry well configuration to a submersible style station.
Cumberland County UA	\$ 1,103,411		\$ (13,746)	\$ (13,746)	\$ 1,089,665	<b>Project # S340 550-08.</b> Replace and improve various components of the headworks building, including to existing deteriorated handrails and grating, sluice gates and grit removal units. Also replace two aeration blowers

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
						with new, high-efficiency blowers, and rehabilitate the North Primary Clarifier. Convert pump station from a wet well/dry well configuration to a submersible style station.
Elizabeth City	\$ 6,716,527		\$ (34,006)	\$ (34,006)	\$ 6,682,521	<b>Project # S340 942-18.</b> Installation of new combined sewer manholes, pipes, stormwater control structures, manholes and underground culverts, and replacing existing sanitary sewers and undersized storm sewers on Progress Street and North Avenue.
Elmer Borough		\$ 580,000	\$ -	\$ 580,000	\$ 580,000	<b>Project # 1702001-001.</b> Repainting and repair of existing 200,000-gallon elevated water storage tower, installation of emergency generator and replacement of existing security compound fence and gates.
Emerson Borough		\$ 99,966		\$ 99,966	\$ -	<b>Project # S340 497-01.</b> Planning and design work for Small System Asset Management for sanitary sewer and stormwater systems.
Gloucester City			\$ 181,874	\$ 181,874	\$ 181,874	<b>Project # S340 958-07.</b> Construction of 8-inch diameter polyvinyl chloride pipe gravity mains, with appurtenances, at the Freedom Pier section of the City.
Gloucester City		\$ 1,262,765		\$ 1,262,765	\$ -	<b>Project # S340 958-08.</b> Remove and replace existing combined sewer mains on Brown and Paul Streets.
Gloucester City			\$ 219,784	\$ 219,784	\$ 219,784	<b>Project # 0414001-020A.</b> Installation of new 8-inch diameter ductile iron water main pipe at the Freedom Pier section of the City. The improvements will alleviate system pressure fluctuations and improve water supply and water quality.
Gloucester City		\$ 595,027		\$ 595,027	\$ -	<b>Project # 0414001-022.</b> Removal and replacement of existing deteriorated water mains on Brown Street.
Gloucester County IA	\$ 6,268,882		\$ (586,631)	\$ (586,631)	\$ 5,682,251	<b>Project # S342 024-01.</b> Construction of a new double composite lined Phase VII Landfill Cell 13, covering approximately 10.5 acres. Site work includes the excavation of native soil. After excavation work, installation of the double-composite liner, the leachate collection system and leachate pump station.
Gloucester County UA		\$ 11,138,038		\$ 11,138,038	\$ -	<b>Project # S340 902-14.</b> Change a bio-solids handling facility from sludge incineration to anaerobic digestion with combined heat and power generation.

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
Gloucester County UA	\$ 1,933,247		\$ (207,438)	\$ (207,438)	\$ 1,725,809	<b>Project # S340 902-16.</b> Purchase and installation of clarifier equipment, supply pumps and algae sweep system required for renovations to the primary clarifiers at reclamation facility.
Hightstown Borough		\$ 1,298,153	\$ (4,178)	\$ 1,293,975	\$ 1,293,975	<b>Project # S340 915-05.</b> Removal of two existing chlorine contact chambers and construction of an ultraviolet (UV) disinfection system at its Advanced Wastewater Treatment Plant. Construction of two disk filters, relocation and replacement of an internal flow meter, and the associated electrical wiring to control the UV equipment and measure flow from the AWWTP.
Hoboken City		\$ 4,335,696		\$ 4,335,696	\$ -	<b>Project # S340 635-07.</b> Washington Street redesign project to improve stormwater management in a CSO system by constructing bump out rain gardens to filter and detain runoff.
Hoboken City		\$ 7,200,000		\$ 7,200,000	\$ -	<b>Project # 0905001-001.</b> Replacement of 12-inch cast iron main and 6-inch cast mains in Washington St. ROW and ancillary components including hydrants, valves, service connections and bends.
Jackson Twp. MUA		\$ 6,312,365		\$ 6,312,365	\$ -	<b>Project # 1511001-012.</b> Construction of water main extension with fire hydrant steamer nozzles along certain sections of West Commodore Blvd, Anderson Road, 1-195, Monmouth Road, and Great Adventure Blvd. Includes installation of booster pump station.
Jackson Twp. MUA		\$ 15,603,769		\$ 15,603,769	\$ -	<b>Project # 1511001-013.</b> Replacement of existing Six Flags Great Adventure water treatment plant, demolition of existing water treatment plant, upgrades to four existing wells, construction of finished water main, wellhouses, meter chamber and installation of new SCADA system for monitoring and control for the water supply wells.
Jersey City MUA		\$ 1,488,384		\$ 1,488,384	\$ -	<b>Project # S340 928-20.</b> Construction of five pump stations including reinforced concrete structures, pile driving, installation of stormwater pumps, electric service and emergency generators.
Jersey City MUA		\$ 6,283,246		\$ 6,283,246	\$ -	<b>Project # S340 928-19.</b> Construction of 8 new wet weather pump stations, replacement of Claremont

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
						Carteret Tide Gate Chamber, repairs to East Side Plant and various repairs to regulators outfalls and solids floatables facilities located in Jersey City
Jersey City MUA (CSO - green)		\$ 394,384		\$ 394,384	\$ -	<b>Project # S340 928-22.</b> Remove deteriorating sidewalk and replace with pervious surfaces for groundwater recharge; Redirect downspouts into precast downspout planter boxes with perforated underdrains to discharge to pervious surface, treat and filter stormwater runoff; replace parking lot with permeable surfaces to promote groundwater recharge and other porous asphalt parking spaces installed to intercept treat and filter stormwater runoff from parking lot; installation of five rain gardens.
Jersey City MUA (CSO)		\$ 33,128,166		\$ 33,128,166	\$ -	<b>Project # S340 928-15.</b> Removal of blockage and conduct emergency repairs to existing combined sewers, replacement of sewers determined to be beyond repair and replace existing identified combined sewers.
Lavallette Borough	\$ 978,512	\$ 179,438	\$ (9,487)	\$ 169,951	\$ 1,148,463	<b>Project # 1515001-001.</b> Rehabilitation of a 500,000-gallon fluted column, steel elevated water storage tank whose protective coatings have reached their anticipated life expectancy. Rehabilitation includes surface preparations and repainting of both the inside and outside of the storage tank.
Little Egg Harbor MUA		\$ 2,521,632	\$ (350,013)	\$ 2,171,619	\$ 2,171,619	<b>Project # 1516001-004.</b> Replacement of deteriorated water mains to include the installation of new 8-inch diameter PVC water main, fire hydrants, water service connections, and eight-inch diameter gate valves.
Little Egg Harbor MUA		\$ 2,933,137	\$ (376,631)	\$ 2,556,506	\$ 2,556,506	<b>Project # S340 579-02.</b> Replacement of deteriorated sanitary sewer mains to include the installation of new 8-inch diameter PVC sanitary sewer main, new 12-inch diameter PVC sanitary sewer main, new 18-inch diameter PVC sanitary sewer main, new 6-inch diameter ductile iron sanitary sewer force main pipe, lateral sanitary sewer connections, sanitary sewer manholes, and proper pipe bedding to resist future storm conditions.
Long Beach Twp.			\$ 4,044,255	\$ 4,044,255	\$ 4,044,255	<b>Project # S340 023-06.</b> Removal and replacement of sewer mains with new 8-inch, 10-inch and 12-inch

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
						diameter polyvinyl chloride piping, including laterals, cleanouts and manholes.
Long Beach Twp.			\$ 6,565,669	\$ 6,565,669	\$ 6,565,669	<b>Project # 1517001-500.</b> Demolition and reconstruction of the water pump room at the Beach Haven Terrace Water Treatment Plant.
Long Beach Twp. (USDA Grant)		\$ 1,258,067		\$ 1,258,067	\$ -	<b>Project # 1517001-501.</b> Demolition and replacement of damaged pump room at Brant Beach. Construction of new pump room (and associated components) within the footprint of existing structure of existing water pump room which was severely damaged during Superstorm Sandy
Manasquan Borough		\$ 1,436,201	\$ 59,066	\$ 1,495,267	\$ 1,495,267	<b>Project # S340 450-01-1.</b> Improvements to stormwater management system, including the repair and replacement of bulkhead, the installation of seven inlet structures, one manhole and four tide valves at existing outfalls, construction of storm sewers, and the raising of curb along Perrine Boulevard to redirect stormwater runoff. The project also includes the replacement of a water service line and electrical fixtures in connection with the bulkhead replacement.
Manchester Twp.		\$ 1,399,860		\$ 1,399,860	\$ -	<b>Project # 1518005-002.</b> Repaint and repair the exterior and interior of existing one-million-gallon elevated storage facility.
Mantua Twp. MUA		\$ 1,456,460		\$ 1,456,460	\$ -	<b>Project # 0810004-002.</b> Decommissioning existing Well 2 and construction of a new well at existing site. Project includes drilling replacement well and construction of new well building with associated electrical mechanical and controls infrastructure.
Mantua Twp. MUA		\$ 1,269,636		\$ 1,269,636	\$ -	<b>Project # 0810004-003.</b> Repaint .5-million-gallon stand pipe, improvements to booster station electrical and mechanical systems.
Maple Shade Twp.	\$ 2,175,000		\$ (24,901)	\$ (24,901)	\$ 2,150,099	<b>Project # 0319001-006.</b> Installation of (i) 4,222 replacement water meters with automatic transmitters and (ii) automatic transmitters on 550 water meters that were previously replaced but were not equipped with an automatic meter reading system.

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
Mendham Twp.	\$ 2,318,077		\$ (9,509)	\$ (9,509)	\$ 2,308,568	<b>Project # S340 477-01.</b> Upgrade to deteriorating East Wastewater Treatment Facility by converting the existing treatment system to a membrane bioreactor treatment system. Including the removal of the existing flocculator, settler/thickener unit and sand filter, and replacing them with the membrane bioreactor system. Elimination of chemical feed systems associated with chlorine, alum and sodium bisulfate and replace the lower effluent disposal system.
Mendham Twp.		\$ 1,724,099	\$ (317,343)	\$ 1,406,756	\$ 1,406,756	<b>Project # S340 477-01.</b> Upgrade to deteriorating East Wastewater Treatment Facility by converting the existing treatment system to a membrane bioreactor treatment system. Including the removal of the existing flocculator, settler/thickener unit and sand filter, and replacing them with the membrane bioreactor system. Elimination of chemical feed systems associated with chlorine, alum and sodium bisulfate and replace the lower effluent disposal system.
Middlesex WC	\$ 4,826,540		\$ 250,039	\$ 250,039	\$ 5,076,579	<b>Project # 1225001-016.</b> Cleaning and cement lining of water mains in Edison.
Middlesex WC	\$ 7,000,000		\$ 757,275	\$ 757,275	\$ 7,757,275	<b>Project # 1225001-023.</b> Cleaning and lining of water mains, replacement of non-copper services of undersized water main in South Amboy.
Middlesex WC	\$ 2,291,847		\$ (6,527)	\$ (6,527)	\$ 2,285,320	<b>Project # 1225001-024.</b> Construction of new interconnecting pump station to replace existing facility where pumps are below ground. Replacement of old equipment with new SCADA panels and tablet type chlorinators in new building.
Middlesex WC		\$ 9,528,496	\$ (87,880)	\$ 9,440,616	\$ 9,440,616	<b>Project # 1225001-026.</b> Replacing i) 4-inch, 6-inch and 8-inch diameter cast iron mains with 8-inch diameter cement mortar-lined ductile iron pipe, and ii) 552 service lines. Installation of 579-meter pits and associated valves and appurtenances.
Millville City	\$ 9,539,463		\$ (115,703)	\$ (115,703)	\$ 9,423,760	<b>Project # S340 921-07.</b> Improvements to Wastewater Treatment Plant, consisting of the upgrade of two existing clarifiers, the construction of a new influent pump station wet well, installation of new return

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
						activated sludge pumps and piping modifications, construction of a walkway from the splitter box to the aeration tank, installation of a new automatically cleaned strainer for reclaimed water system, replacement of the existing belt filter presses with rotary presses, conversion of an existing abandoned sludge holding tank into a new rotary press room, installation of a track-mounted dumpster system, installation of a new disinfection system, and upgrade of the electrical and instrumentation and SCADA systems.
Montclair Twp.		\$ 1,124,408		\$ 1,124,408	\$ -	<b>Project # S340 837-04.</b> Rehabilitation of sanitary sewer collection mains to address deteriorated sections that are subject to inflow and infiltration.
Netcong Borough		\$ 834,093		\$ 834,093	\$ -	<b>Project # 1428001-007.</b> Replacement of old deteriorating mains, a section of undersized main along Route 46, and extend a portion of existing water main on Route 80. Replace fire hydrants and water valves.
Newark City		\$ 6,005,901		\$ 6,005,901	\$ -	<b>Project # S340 815-22.</b> Installation of precast box culvert end of pipe netting facilities at transition to the drainage ditch and dredging of drainage ditch.
Newark City		\$ 6,405,776		\$ 6,405,776	\$ -	<b>Project # 0714001-016.</b> Upgrades at Pequannock Wastewater Treatment Plant including backwash, chlorination system and sludge lagoon upgrades.
Newark City	\$ 2,430,868		\$ (238,158)	\$ (238,158)	\$ 2,192,710	<b>Project # 0714001-500.</b> Upgrades at the Wayne Pump Station to include the installation of a generator, transformer and switchgear on an elevated platform above the 100-year and 500-year flood hazard elevations.
NJ American Water Co		\$ 7,413,000		\$ 7,413,000	\$ -	<b>Project # 2004002-013.</b> Improvements to the emergency standby power system at the Raritan Millstone Wastewater Treatment Plant including replacement of gas turbine generator with smaller diesel fueled generator, automation of emergency power transfer and modification of the diesel fuel storage and amp supply system to connect to new generators.

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
NJ American Water Co	\$ 12,604,295		\$ (117,508)	\$ (117,508)	\$ 12,486,787	<b>Project # 1345001-016.</b> Improvements to the Low Lift Pumping Station at its Raritan Millstone Water Treatment Plant that include the replacement of existing pumps and motors, upgrading of the station's electrical and instrumentation systems, and expansion of the existing operator control room. Improvements at its Sunset Road Water Treatment Plant to include installation of a new well house and various equipment therefor, and demolition work at the existing treatment building, Low Lift Pump Station and yard.
NJ American Water Co	\$ 11,520,666		\$ (107,878)	\$ (107,878)	\$ 11,412,788	<b>Project # 2004002-011.</b> Improvements to the Low Lift Pumping Station at its Raritan Millstone Water Treatment Plant that include the replacement of existing pumps and motors, upgrading of the station's electrical and instrumentation systems, and expansion of the existing operator control room. Improvements at its Sunset Road Water Treatment Plant to include installation of a new well house and various equipment therefor, and demolition work at the existing treatment building, Low Lift Pump Station and yard.
NJ American Water Co		\$ 13,948,660		\$ 13,948,660	\$ -	<b>Project # 1345001-017.</b> Construction of new treatment building to reduce levels of radium and gross alpha radionuclides in drinking water to less than one half of federal MCL. Installation of dedicated raw water main within Oak Street Treatment Plant site and unpaved Vermont Avenue right-of-way.
NJ American Water Co	\$ 27,201,503		\$ (252,367)	\$ (252,367)	\$ 26,949,136	<b>Project # 2004002-500.</b> Demolition of certain structures, replacing flood gates, and reconstruction and stabilization of existing flood walls at its Raritan Millstone Water Treatment Plant. Improvements also include the reconstruction of the access roadway to the facility, the construction of new ramps to provide access to the top of the flood walls, repair of intake sluice gates at the Low Lift Pumping Station, installation of dredge barge anchor piles. and installation of a shut-off valve on the existing stormwater drain.

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
NJ Water Supply Auth.		\$ 49,548,569		\$ 49,548,569	\$ -	<b>Project # S340 421-01.</b> Dredging and removal of sediment from a 10-mile segment of D&R Canal between Route 27 and Amwell Road in Franklin Township
North Bergen MUA		\$ 19,892,394		\$ 19,892,394	\$ -	<b>Project # S340 652-14.</b> Rehabilitation and replacement work including replacement of primary clarifier equipment, repair of leaking sludge storage tank, replacement of secondary clarifiers, improvements to comply with permit limitations for whole effluent toxicity, evaluation and upgrade to existing sludge dewatering facilities and replace chemical feed systems and controls.
North Haledon Borough		\$ 99,966		\$ 99,966	\$ -	<b>Project # S340 229-02.</b> Planning and design for small system asset management for the sanitary sewer stormwater systems.
North Jersey District WSC	\$ 3,352,720		\$ (68,224)	\$ (68,224)	\$ 3,284,496	<b>Project # 1613001-017-1.</b> Replace six 2000 horsepower motors and install five variable frequency drives to replace antiquated slip power recovery drives at the Wanaque Pump Station South.
Ocean Twp.	\$ 2,600,000		\$ 64,950	\$ 64,950	\$ 2,664,950	<b>Project # S340 112-07.</b> Replacement of existing asbestos cement pipe sewer mains in the Pebble Beach development. Existing 8-inch diameter asbestos cement pipe sewer mains will be replaced with 8-inch diameter polyvinyl chloride pipe.
Ocean Twp.	\$ 1,025,356		\$ (81,712)	\$ (81,712)	\$ 943,644	<b>Project # 1520001-007.</b> Replace existing asbestos cement pipe water mains in the Pebble Beach development. Existing 6-inch and 8-inch diameter asbestos cement pipe water mains will be replaced with 8-inch diameter ductile iron pipe.
Ocean Twp. SA	\$ 4,343,224		\$ 1,185,192	\$ 1,185,192	\$ 5,528,416	<b>Project # S340 750-11.</b> Clean, structurally rehabilitate and line the two hundred fifty (250) existing sanitary sewer collection system manholes, replace gravity sewer pipe at the intersection of Logan Road and NJ Route 35 and replace approximately six hundred fifty (650) laterals, including cleanout replacement in the Wanamassa area.

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
Passaic Valley SC		\$ 649,880		\$ 649,880	\$ -	<b>Project # S345 200-02.</b> Development of asset management plan for collection system and treatment plant.
Passaic Valley SC (CSO)		\$ 7,772,364		\$ 7,772,364	\$ -	<b>Project # S340 689-32.</b> Installation of equipment including tanks, piping, metering pumps for construction of intermittent use dichlorination chemical feed system for Newark Bay Outfall to increase wet weather treatment capacity to reduce volume of CSO discharges.
Passaic Valley SC (CSO)		\$ 19,618,381		\$ 19,618,381	\$ -	<b>Project # S340 689-38.</b> Concrete rehabilitation and protective coating of final clarifiers at PVSC treatment facility.
Passaic Valley SC (CSO)		\$ 3,776,639		\$ 3,776,639	\$ -	<b>Project # S340 689-39.</b> Coating of interior of pipe with coating to extend life of pipeline connecting to supernatant treatment plant required for secondary treatment and biosolids treatment operations.
Passaic Valley SC (SAIL)		\$ 478,251		\$ 78,251	\$ -	<b>Project # S340 689-30.</b> Installation of stand-by power electrical system whereby a roll-in, stand-by generator system can be tied to temporary power to power sump pumps and de watering pumps located in tunnels basements and galleries throughout the PVSC Wastewater Treatment Plant.
Passaic Valley SC (SAIL)		\$ 3,217,254		\$ 3,217,254	\$ -	<b>Project # S340 689-40.</b> Plantwide replacement and relocation of electrical switchgear and motor control centers.
Pennington Borough		\$ 862,260		\$ 862,260	\$ -	<b>Project # 1108001-002.</b> Replacement of four-inch diameter water main on East Curlis Ave and six-inch water main on Weidel Drive with 8-inch diameter ductile iron water main.
Perth Amboy City			\$ 1,003,198	\$ 1,003,198	\$ 1,003,198	<b>Project # 1216001-008.</b> Replace existing 4-inch drinking water mains with 8-inch drinking water mains located along Miller, Market, Jefferson, Mechanic and Center Streets.
Pine Hill Borough MUA			\$ 1,675,721	\$ 1,675,721	\$ 1,675,721	<b>Project # S340 274-05.</b> Demolish existing 45-year-old pump station on Greenwood Avenue and construct a new submersible sewage pump station. This component also includes a sanitary sewer extension, as well as the

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
						construction of a new 6-inch diameter force main from the new pump station discharging to an existing gravity sewer manhole. Installation of a new force main connection from the Madison Avenue Pump Station to the recently installed interceptor on Berlin-Cross Keys Road.
Point Pleasant Beach Boro		\$ 2,995,000		\$ 2,995,000	\$ -	<b>Project # S344 190-02.</b> Dredging Little Silver Lake to remove accumulated sediments and storm sediments. Reconstruction of existing failing bulkhead and replace dilapidated weir structure that regulates lake water surface elevation. Installation of self-regulating tide gates for resiliency and storm protection during higher tide events.
Rahway City	\$ 12,259,302		\$ 529,495	\$ 529,495	\$ 12,788,797	<b>Project # 2013001-007.</b> Improvements to water treatment plant including the replacement of the existing gravity filters with a membrane treatment system. Construction of a new treatment building, installation of four skids of pressurized membranes with a firm capacity of 7.7 MGD, construction of approximately 270 linear feet of 6-inch diameter ductile iron pipe, 340 linear feet of 8-inch diameter polyvinyl chloride sewer pipe, a new, pre-fabricated sanitary pump station and 1,000 linear feet of 6-inch HDPE force main, the upgrade of the SCADA system and all associated site work.
Rahway Valley SA		\$ 4,210,947		\$ 4,210,947	\$ -	<b>Project # S340 547-14.</b> Replacement of existing digester tank covers and mixers with new equipment. Replacement of existing gas flares.
Rahway Valley SA		\$ 2,356,560		\$ 2,356,560	\$ -	<b>Project # S340 547-15.</b> Construction of a trucked-in waste receiving station and an equalization/blend tank with metering pumps for feeding of liquid waste to existing anaerobic digesters.
Red Bank Borough		\$ 1,749,805		\$ 1,749,805	\$ -	<b>Project # 1340001-002.</b> Construction of new emergency backup well for existing Well 4A. Improvements include painting and coating of existing welded steel in the clarifier, cleaning and repair of aerator and piping leading to aerator unit and various upgrades to existing SCADA

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
						system at Chestnut Street and Tower Hill Wastewater Treatment Plant facilities.
Rockaway Valley RSA		\$ 7,483,999		\$ 7,483,999	\$ -	<b>Project # S340 821-07.</b> Rehabilitation and enhancement of final clarifiers and replacement of existing sludge collector mechanisms including a larger center well for improved flocculation, replacement of electrical components of sludge collection equipment, filling in the square corners of the final clarifier tanks, replacement of weirs and baffles, addition of density current baffles, replacement of walkway and ladder, and replacement of various valves.
Rockaway Valley RSA		\$ 1,866,402		\$ 1,866,402	\$ -	<b>Project # S340 821-09.</b> Emergency repair of section of Rockaway Valley Regional Sewer Authority's interceptor in Town of Boonton.
Saddle Brook Twp.	\$ 1,530,383		\$ (232,863)	\$ (232,863)	\$ 1,297,520	<b>Project # 0257001-002.</b> Replacement of 3,447 linear feet of water mains ranging in size from 6-inch to 10-inch in diameter, including extensions to create loops in the distribution system, and 3,120 linear feet of associated service connections.
Ship Bottom Borough		\$ 3,384,166		\$ 3,384,166	\$ -	<b>Project # S340 311-03.</b> Removal and replacement of existing sanitary sewer mains, manholes, services and cleanouts within the Borough of Ship Bottom.
Ship Bottom Borough		\$ 3,016,378		\$ 3,016,378	\$ -	<b>Project # 1528001-002.</b> Removal and replacement of 10,000 linear feet of water mains which are deteriorated and undersized with 6 and 8-inch PVC water mains. Also, installation of hydrants, water services and curb stops within the Borough.
Somerset Raritan Valley RSA		\$ 9,815,291		\$ 9,815,291	\$ -	<b>Project # S340 801-08.</b> Rehabilitation of Sludge Incinerator 2 including new secondary heat exchanger, new scrubber system, new associated instrumentation and electrical systems and installation of new mercury control system.
South Monmouth RSA - Belmar	\$ 3,468,842		\$ (721,141)	\$ (721,141)	\$ 2,747,701	<b>Project # S340 377-05.</b> Perform planning and design activities associated with the replacement of the Belmar Pump Station with a "mobile enclosure" (trailer) pumping station to house the pump station's main electrical

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
						components and emergency generator. In the event of a forecasted storm or flood event, the mobile unit will be able to disconnect from the pump station and be relocated to higher ground.
Stafford Twp.	\$ 2,248,620		\$ 123,559	\$ 123,559	\$ 2,372,179	<b>Project # 1530004-018.</b> Upgrade to a section of water distribution system to include the replacement of approximately 120 linear feet of 6-inch diameter ductile iron pipe (DIP), 5,470 linear feet of 8-inch diameter DIP and 2,300 linear feet of 12-inch diameter DIP, and the installation of proper pipe bedding.
Stafford Twp.		\$ 1,489,357		\$ 1,489,357	\$ -	<b>Project # 1530004-019.</b> Replacement of water main which is in disrepair due to age and additional stress of SuperStorm Sandy.
Sussex County MUA	\$ 8,521,370		\$ 7,099	\$ 7,099	\$ 8,528,469	<b>Project # S342 008-05.</b> Expansion of landfill with improvements to include the construction of an access road and installation of a mechanically stabilized earthen berm, an extended base liner, drain system, leachate side-riser system, storm water collection berm, landfill gas header pipe, landfill gas monitoring wells, gas condensate force main, air lines and electrical work.
Trenton City	\$ 9,945,380		\$ (1,191,194)	\$ (1,191,194)	\$ 8,754,186	<b>Project # 1111001-010.</b> Clean and cement mortar line existing 4-inch through 12-inch water mains and replace 4-inch water mains in the Ewing South and other areas of the City. Replace all inline valves and fittings on the unlined mains and fire hydrants, and construct cement lined ductile iron water main extensions to create loops and eliminate dead ends in the distribution system.
Tuckerton Borough		\$ 1,405,206		\$ 1,405,206	\$ -	<b>Project # S340 034-03.</b> Rehabilitation of Sludge Incinerator 2 including new secondary heat exchanger, new scrubber system and new associated instrumentation and electrical systems. Installation of new mercury control system.
Tuckerton Borough		\$ 1,120,766		\$ 1,120,766	\$ -	<b>Project # 1532002-006.</b> Replacement of existing asbestos concrete ductile iron and PVC water mains, water services, fire hydrants, water valves, water meters on Heron Road.

Borrower	Funding Received prior to SFY2018	New Funds Received in SFY2018				Project Description
	Previously Reported ST Loans (not part of SFY2018 Funding)	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018	LT Financing Rec'd in SFY2018	
Ventnor City		\$ 1,311,000	\$ (12,485)	\$ 1,298,515	\$ 1,298,515	<b>Project # S340 667-03.</b> Replacement of sections of bulkheads that were damaged during Superstorm Sandy. The bulkheads (flood walls) will provide resiliency to existing stormwater infrastructure.
Wanaque Valley RSA	\$ 1,360,524		\$ 118,338	\$ 118,338	\$ 1,478,862	<b>Project # S340 780-04-1.</b> Replace the generators at the wastewater treatment facility and at the Haskell Pumping Station. Installation of new mechanical aerators and drives, upgrade the existing influent pumps, replace the rotary drum sludge thickener system, replace non-potable water pumps, upgrade the discharge channel ultraviolet disinfection system, install a new motor control center, install 15 new electric unit heaters to replace existing hot water heaters, and install 10-inch ductile iron force main bypass piping.
Washington Twp. MUA	\$ 1,199,981		\$ 270,249	\$ 270,249	\$ 1,470,230	<b>Project # 0818004-010.</b> Replace existing Well House Nos. 2 and 8 in Washington Township, which have deteriorated due to age, to ensure a safe and reliable drinking water supply in the project area.
Willingboro MUA	\$ 5,487,959		\$ (112,785)	\$ (112,785)	\$ 5,375,174	<b>Project # 0338001-009.</b> Construction of a radium removal treatment facility, a calcium hypochlorite building and associated yard piping at the existing Well No. 5A site. Replace the onsite SCADA system with a Programmable Logic Controller control panel.
<b>TOTAL</b>	<b>\$ 203,384,073</b>	<b>\$ 394,017,540</b>	<b>\$ 568,094</b>	<b>\$ 394,585,634</b>	<b>\$ 236,128,547</b>	

	New Short-Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2018
<b>S/T and L/T Loans</b>	<b>\$ 394,017,540</b>	<b>\$ 568,094</b>	<b>\$ 394,585,634</b>
<b>Adjustments for SAIL Loans</b>	<b>\$ 29,879,495</b>	<b>\$ 14,157,933</b>	<b>\$ 44,037,428</b>
<b>SFY2018 Water Bank Loan Production</b>	<b>\$ 423,897,035</b>	<b>\$ 14,726,027</b>	<b>\$ 438,623,062</b>