NEW JERSEY ENVIRONMENTAL INFRASTRUCTURE FINANCING PROGRAM

STATE FISCAL YEAR 2021 PRIORITY SYSTEM AND PROJECT PRIORITY LIST

DISASTER RELIEF EMERGENCY FINANCING PROGRAM REPORT AND PROJECT PRIORITY LIST

Submitted to the State Legislature by

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

JANUARY 2020

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Report to the Legislature
Pursuant to

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

Presented by

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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
Mark Longo, Secretary, New Jersey Infrastructure Bank
DATE: January 22, 2020
SUBJECT: State Fiscal Year 2021 New Jersey Environmental Infrastructure Financing Program

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Introduction

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

(i) The ranking system and funding policies ("Priority System") for projects to be funded in the State Fiscal Year (SFY) 2021 New Jersey Environmental Infrastructure Financing Program ("NJEIFP" or "Water Bank");
(ii) The initial SFY2021 Project Priority List (as of January 2020, to be updated quarterly);
(iii) The Disaster Relief Emergency Financing Program (Statewide Assistance Infrastructure Loan Program, or SAIL) Project Priority List;
(iv) A comprehensive report on projects that received funding in SFY2019;
(v) A comprehensive report on SAIL projects funded in the SFY2019.

Background

The NJ Water Bank provides funds to local government units (LGUs) and private water systems to ensure that the State's water infrastructure is properly constructed to State and Federal standards. These projects are critical in protecting public health, water quality, and the state's natural resources as well as supporting economic growth. For the past 33 years, the DEP and the I-Bank have leveraged State and Federal funds (provided through the USEPA State Revolving Fund (SRF) Program) with publicly issued tax-exempt bonds maximizing the number of projects funded while simultaneously focusing on cost and operational efficiencies. As of June 30, 2019:

- The NJ Water Bank has issued more than **$7.18 billion** in low-interest long term loans;
- New Jersey's ratepayers have saved an estimated **$2.59 billion** in interest costs and through Principal Forgiveness loans; and
- Total loan spending has generated over 135,000 direct construction jobs throughout the State[1].

That said, much is yet to be accomplished especially in the area of Lead Service Line Replacements and addressing Contaminants of Emerging Concern, Harmful Algae Blooms and Combined Sewer Overflow abatement projects. It is currently estimated that the amount of funds needed to address New Jersey's water and wastewater needs exceeds $30 billion over the next 20 years. The NJ Water Bank is a critical financing program that with the proper financial resources will play a leading role in addressing these

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[1] Based on the US GSA's estimate of 20 jobs per $1 million prior to 2012 and 12 jobs per $1 million thereafter.

needs.

SFY2021 - Initial Project List **484 projects / $4.89 billion**

The January Report identifies a pool for the SFY2021 NJ Water Bank consisting of 484 projects with an estimated value of $4.89 billion, continuing to demonstrate the NJ Water Bank's importance and commitment to meeting the State's environmental infrastructure needs. Please refer to:

- ***Appendix A*** *for those* ***Clean Water*** *projects identified on the SFY2021 Interim (Short Term) Clean Water/Superstorm Sandy and Disaster Relief Emergency Financing (Statewide Assistance Infrastructure Loan (SAIL) Financing Program Project Priority Lists (SFY2021 CW Priority List); and*
- ***Appendix B*** *for those* ***Drinking Water*** *projects identified on the SFY2021 Interim (Short Term) Drinking Water Financing Program Project Priority List (SFY2021 DW Priority List)*.

SFY2021 Financing Program

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

Projects that received short-term loans in recent years will receive long-term loans funded with 75% to 50% with DEP funds at 0% interest and 25% to 50% with I-Bank AAA market rate funds, consistent with the terms of the applicable financing programs. On average, these participants will save, based on their own credit ratings, between 20% to 40%, or $200,000 to $400,000 in interest costs per $1.0 million borrowed over 30 years compared to financing their projects independently.

The DEP published the Proposed SFY2021 Clean Water and Drinking Water Intended Use Plans (IUPs) in December 2019. Public hearings were held for both plans on January 7, 2020. The public comment period for the proposed Clean Water IUP closed on January 10, 2020 and the public comment period for the proposed Drinking Water IUP closed on January 20, 2020. The DEP received several significant comments on the Drinking Water IUP which are currently under review and may result in changes to the proposed drinking water funding packages for SFY2021. If any changes are made, they will be reflected in the Final SFY2021 Drinking Water IUP and the Water Bank's State Fiscal Year 2021 Financial Plan ("May Report").

For SFY2021, the proposed **Clean Water** IUP maintains the SFY2020 Department and I-Bank loan shares for every project category eligible for clean water funds with the Base Program being at 50% funding from the DEP and 50% funding from the I-Bank. This funding ratio results in slightly higher blended interest rates when compared to projects financed prior to SFY2020. However, maintaining these changes allows the Program to still offer competitive loan rates and ensures capacity and long-term viability for the NJ Water Bank.

For SFY2021, the proposed **Drinking Water** IUP features the following terms:

- 50% funding from the DEP at 0% interest and 50% market rate funding from the I-Bank for publicly-owned water systems;

- 25% funding from the DEP at 0% interest and 75% market rate funding from the I-Bank for privately-owned water systems;
- Lead Service Line Projects:
  - 50% principal forgiveness from the DEP and 50% market rate funding from the I-Bank for lead service line replacement for eligible water systems;
  - 90% principal forgiveness from the DEP and 10% market rate funding from the I-Bank for lead abatement projects for eligible water systems with a population of ≤1,000;
- DW Funding will be allocated on a readiness-to-proceed basis for those projects in the fundable range based on project ranking. This will ensure limited funds will be disbursed to high priority public health projects and not be tied up by projects that may also be high priority but are not yet ready to move forward.

SFY2021 FUNDING PACKAGES (LONG-TERM LOANS)

1. **Clean Water**

Clean Water Categories	DEP Interest Free Share	I-Bank Market Rate Share
CSO Abatement (Gray and Green Infrastructure) and Water Quality Restoration 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 and Water Quality Restoration Projects will be financed under the Base CWSRF.

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%

* Base DWSRF – Public Project Sponsors are capped at $25M. Costs in excess of $25M can be financed at the I-Bank market rate.
** Base DWSRF – Investor Owned Project Sponsors are capped at $25M and $10M per project. Costs in excess of the caps can be financed at the I-Bank market rate.
*** Systems serving municipality(s) with MHI ≤ 65% NJ MHI (2010 census). Capped at $10M. Costs in excess of $10M are funded at the Base Rate.

SFY2021 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
Water Quality Restoration (Harmful Algal Bloom Abatement)	50%	$2M	$10M
Coastal Community Water Quality Restoration	50%	$2.5M	$2.5M*
CSO-Abatement	50%	$2M	$25M**

* $2.5M in PF has been committed towards Cumberland County Improvement Authority.
** $2.5M in CSO-Abatement PF funds are set aside for CSO Green Infrastructure projects.

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	$0.5M
Small System ("Nano") ≤ 10,000 customers	50%	$0.5M	$4M
Lead Line Replacement**	50%	Up to $10M, $5M or $1M per water system (Depending on number of known lead service lines; remainder at applicable base rate)	$103M
Small System (≤1,000) Lead Abatement ***	90%	$1M	$10M
Small Systems (<500) Community Engineering Corp	100%	$0.5M (Remainder at base)	$2M
Small Systems (≤1,000) Engineering Contract	90%		

* Must result in a project ranked high enough to receive funding.
** Water systems are eligible to receive principal forgiveness for lead line replacement funding in communities with an MHI less than the MHI for the State. These projects are funded in project priority order according to ranking assigned by the priority ranking system. PF Funding is capped per applicant/year based on the number of known lead service lines.
***Small systems with a population less than or equal to 1,000 are eligible to receive principal forgiveness for corrosion control treatment and lead line replacement in communities with an MHI less than the MHI for the State.

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.

Remaining funds from this appropriation will continue to be offered through this financing package until all funds are depleted.

Harmful Algal Bloom Abatement - The Financing Program is reserving funds and providing as much as $10 million in principal forgiveness loans for Water Quality Restoration capital improvement projects and equipment purchases that will eliminate, prevent or reduce documented occurrences of shellfish bed downgrades, beach closings and advisories due to the presence of harmful algal blooms (HABs). Eligible projects would eliminate potential sources such as failing on-site wastewater systems and cross connections between storm sewers and sanitary sewers. Eligible project activities also include the expansion or replacement of stormwater management systems as well as the purchase of skimmer boats, aquatic weed harvesters and equipment to maintain stormwater management facilities.

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 $103 million in principal forgiveness will be made available for the Lead Service Line Replacement Program for projects located in municipalities that have a median household income less than the median household income for the State. The Department has proposed in its DWSRF IUP (December 2019) financing in the

form of 50% principal forgiveness and a 50% I-Bank market rate loan, capped at $2, 10 or 20 million per water system (each water system has a unique identification number or PWSID)/per year based on the number of known lead service lines being replaced in the qualifying municipalities. Specifically,

- $20M ($10M principal forgiveness from the DEP) for systems with > 5,000 known lead service lines
- $10M ($5M principal forgiveness from the DEP) for systems ≥ 1,000 and ≤ 5,000 known lead service lines
- $2M ($1M principal forgiveness from the DEP) for systems <1,000 known lead service lines
- The balance of financing will be provided at the applicable base rate.

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 (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.
- Provide a Lead Service Line Replacement Plan and Capital Improvement Plan to establish a strategy for lead line replacement that complies with all federal and State requirements.
- Partial lead line replacements are not allowable.

SFY2021 – Highlights

In SFY2021, the NJ Water Bank will continue features introduced in recent years. Highlights of the program include:

- **Short-Term Funding Readily Available** – Rolling applications and an award process for short-term loans 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** –Short term loans of up to five full fiscal years are available to finance a project's planning, engineering design, legal, and construction expenses, provided planning or engineering design activities do not exceed two years;
- **Attractive borrowing terms and rates** – The NJ Water Bank 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 expects to issue long-term bonds twice per year allowing participants to regularly roll short-term construction loans into long-term financing;
- **Longer Loan Maturities** – The NJ Water Bank 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 in SFY2020 to as much as 45 years for CSO abatement projects;
- **Asset Management** – The Financing Program, in compliance with new Federal requirements enacted under the Water Resources Reform and Development Act (WRRDA), has implemented an Asset Management Program (AMP) to maximize the return on investment of public funds.

SFY2019 – Recap **119 Projects / $429 million**

Short-Term Loans – 78 projects received initial short-term financing totaling **$365 million**.
Long-Term Loans – 9 projects received long-term financing for the first time totaling **$12.1 million.**

Long-Term Rolls – 26 projects, previously funded with short-term loans, converted to long-term loans for **$112 million.**

Note: There were three new long-term SAIL loans and no new short-term SAIL loans in SFY2019. The total SAIL loans issued to-date for Superstorm Sandy is $205.5 million in SFY2019 as a result of FEMA reimbursement 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 40 days.

Conclusion

The I-Bank's upcoming **May Report** will set forth the Project Eligibility List of those projects eligible for long-term funding in SFY2021 and the plan by which those projects participating in the SFY2021 Financing and SAIL Programs will be funded.

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

Thank you for your time and continued support.

Catherine R. McCabe
Commissioner,
NJ Department of Environmental Protection

Mark Longo
Secretary,
NJ Infrastructure Bank

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JANUARY REPORT

FOR STATE FISCAL YEAR 2021
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, 2020 (SFY2021)

(ii) The NJEIFP's initial SFY2021 Interim Financing Program Project Priority List (Project Priority List) identifying projects to be considered for funding in SFY2021

(iii) A List of projects financed in the most recently completed fiscal year, SFY2019, in compliance with the requirements set forth in the I-Bank Enabling Act N.J.S.A. 58:11B-20(d) and 20.1(d), including the project name, project description, loan type, and loan amount.

(iv) 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

(v) A comprehensive report on SAIL funded projects financed through December 31, 2019

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 SFY2021.

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 November 2019 the DEP issued final amendments to the SFY2020 DW Plan. In December 2019 the DEP issued the proposed SFY2021 DW Plan and the proposed SFY2021 CW Plan. The proposed CW Plan and DW Plan for projects to be financed in SFY2021 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.

SFY2021 NJEIFP

HIGHLIGHTS

The NJEIFP is continuing initiatives developed and enacted in recent years for SFY2021.

i. Rolling application and funding process: Changes to the Project Priority List are submitted to the legislature four times during the fiscal year enabling the Program to readily offer borrowers short-term loans that are more in line with their time frames, particularly when their projects are ready for construction. The Project Priority List is updated periodically as project applications are received and ranked by the Department as generally meeting SRF parameters.

ii. Fiscal Sustainability Plan (Asset Management): H.R. 3080, the Water Resources Reform and Development Act of 2014 (WRRDA) requires all SRF loan recipients receiving funds for the repair, replacement, or expansion of a treatment works to develop and implement a Fiscal Sustainability Plan (FSP) or certify that they have developed and implemented such a plan for the funded project. An FSP requires a Borrower to:

   (i) Inventory critical assets that are part of the treatment works,
   (ii) Evaluate the condition and performance of inventoried assets or asset groupings,
   (iii) Certify that the recipient has evaluated and will be implementing water and energy conservation efforts as part of the plan, and
   (iv) Present a plan for maintaining, repairing as necessary, and replacing the treatment works and funding such activities.

iii. Asset Management: 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/) that sets forth information pertaining to Asset Management, the State Asset Management Program, publications, and financing. It also includes resources such as EPA's interpretative guidance on FSP's and the DEP's Asset Management Guidance & Best Practices document which can be found at: http://www.nj.gov/dep/watersupply/pdf/guidance-amp.pdf. In addition, the Water Quality Accountability Act, P.L. 2017, c. 133 (WQAA), enacted on July 21, 2017, established new requirements for purveyors of public water to improve the safety, reliability, and administrative oversight of water infrastructure. The WQAA applies to water purveyors with more than 500 service connections, which is approximately 300 water systems in New Jersey. The WQAA requires purveyors to create and implement an AMP designed to inspect, maintain, repair, and renew its infrastructure consistent with standards established by the American Water Works Association.

iv. Harmful Algal Bloom Abatement: The presence of harmful algal blooms in New Jersey's waterbodies severely impacts our public health and economy. The Financing Program is reserving funds and providing as much as $10 million in principal forgiveness loans for Water Quality Restoration capital improvement projects and equipment purchases that will eliminate, prevent or reduce documented occurrences of shellfish bed downgrades, beach closings and advisories due to the presence of harmful algal blooms (HABs). Eligible projects would eliminate potential sources such as failing on-site wastewater systems and cross connections between storm sewers and sanitary sewers. Eligible project activities also include the expansion or replacement of stormwater management systems as well as the purchase of skimmer boats, aquatic weed harvesters and equipment to maintain stormwater management facilities.

v. Lead Abatement: The existence of lead service lines in some of our aging drinking water infrastructure poses potential risk to public health. This risk can be significantly reduced through the identification and replacement of lead service lines or through the installation of corrosion control treatment. The Water Infrastructure Funding Transfer Act, passed into law in October of 2019, allows states a one-time transfer of funds from the Clean Water State Revolving Fund to the Drinking Water State Revolving Fund. The legislation was sponsored by U.S. Senator Cory Booker, D-N.J. and is commonly referred to as the "Booker Bill". The law allows State officials to transfer up to 5% of the cumulative clean water state revolving fund or approximately $110 million to the drinking water state revolving fund to invest in water infrastructure and prevent lead from leaching into the drinking supply. It does not allocate any new money but provides helpful short-term flexibility. Funds transferred under this law must be used as additional subsidy in the form of principal forgiveness, negative interest loans, or grants (or any combination of these) and used for projects related to protecting water systems from the impacts of lead.

Principal Forgiveness for Lead Abatement

The NJEIFP will take advantage of the flexibility provided by the Water Infrastructure Funding Transfer Act by transferring approximately $110 million to the drinking water state revolving fund to provide principal forgiveness (PF) to eligible recipients for projects that abate exposure to lead in drinking water. Approximately $100M will be used to fund lead service line ("LSL") replacement projects in priority ranked order, while $10M will be used to fund the installation of corrosion control treatment and LSL replacement in priority ranked order at water systems serving a population ≤1,000 as described in more detail below.

Funds remaining from prior year LSL replacement project funding will also be available as a source of funds for SFY2021 LSL projects. Since SFY2018, $30 million was set aside for principal forgiveness for LSL replacement projects for water systems that met eligibility requirements. To date, approximately $27 million in principal forgiveness has been committed to projects to fund LSL replacement. Any of the remaining $3M that is not committed to another eligible project in SFY2020 will be rolled over and made available for lead service line projects in SFY2021.

Approximately $100M in PF for LSL Replacement

The NJEIFP will set aside $100M in principal forgiveness funds, plus any of the remaining $3M from SFY2020, to fund lead service line replacement projects in priority ranked order. Water systems are eligible for principal forgiveness if the project is located in a community with a median household income (MHI) less than the median household income for the State. The MHI is calculated using 2017 Census data, in accordance with data obtained from https://www.census.gov/quickfacts/NJ. Priority will be given to water systems that have exceeded the lead action level. Water systems that do not exceed the lead action level but want to replace lead pipes are eligible for principal forgiveness in ranked order. Loans will be offered as 50% principal forgiveness and 50% funding from the I-Bank at the I-Bank Market Rate.

Project applicants are capped at $1, 5 or 10 million in principal forgiveness per water system (PWSID)/per year based on the number of known lead service lines being replaced in communities with an MHI below the State MHI. Project caps are based on known lead service lines in areas with an MHI that is below the State MHI and not the total number of lead service lines that may exist throughout the system. Water systems may be required to perform further materials evaluations in areas with an unknown number of lead service lines in order to qualify for principal forgiveness in those areas. Specifically, the caps are as follows:

- $10M principal forgiveness for systems with > 5,000 known lead service lines
- $5M principal forgiveness for systems ≥ 1,000 and ≤ 5,000 known lead service lines
- $1M principal forgiveness for systems < 1,000 known lead service lines

$10M in PF for Small System Lead Abatement

The NJEIFP will set-aside $10M to fund the installation of corrosion control treatment or lead service line replacement at water systems serving a population ≤ 1,000 in priority ranked order. This includes small community water systems, such as mobile home parks, as well as eligible noncommunity water systems that may include schools and religious institutions. The challenges facing these systems differ from their larger counterparts. In many cases, these systems contain no lead service lines and must rely on the installation of corrosion control treatment for lead abatement. Project applicants are capped at $1 million in principal forgiveness per water system (PWSID)/per year. Loans will be offered as 90% principal forgiveness and 10% funding from the I-Bank at Market Rate. If any of the $10M is remaining as of April 1, 2021 it will be made available as PF under the terms of the LSL replacement category.

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/or components (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 the high probability of lead lines and components being present, line installation records, etc.
- Provide a Lead Service Line Replacement Plan and Capital Improvement Plan to establish a strategy for lead line replacement that complies with all federal and State requirements.
- Partial lead line replacements are not allowable.

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.

SFY2021 Funding Packages (Long-Term Loans)

Clean Water

Clean Water Categories	DEP Interest Free Share	I-Bank Market Rate Share
CSO Abatement (Gray and Green Infrastructure) and Water Quality Restoration 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 and Water Quality Restoration Projects will be financed under the Base CWSRF.

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%

* Base DWSRF – Public Project Sponsors are capped at $25M. Costs in excess of $25M can be financed at the I-Bank market rate.
** Base DWSRF – Investor Owned Project Sponsors are capped at $25M and $10M per project. Costs in excess of the caps can be financed at the I-Bank market rate.
*** Systems serving municipality(s) with MHI ≤ 65% NJ MHI (2010 census). Capped at $10M. Costs in excess of $10M are funded at the Base Rate.

SFY2021 Principal Forgiveness (PF) Opportunities

Clean Water

Clean Water PF	Principal Forgiveness	Principal Forgiveness Cap	Projected Amount of PF Available
Small System Asset Mgmt. Plan Dev.	100%	$100,000	$0.5M
Water Quality Restoration (Harmful Algal Bloom Abatement)	50%	$2M	$10M
Coastal Community Water Quality Restoration	50%	$2.5M	$2.5M*
CSO-Abatement	50%	$2M	$25M**

* $2.5M in PF has been committed towards Cumberland County Improvement Authority.
** $2.5M in CSO-Abatement PF funds are set aside for CSO Green Infrastructure projects.

SFY2021 Principal Forgiveness (PF) Opportunities (Continued)

Drinking Water

Drinking Water PF	Principal Forgiveness	Principal Forgiveness Cap	Projected Amount of PF Available
Small System Asset Mgmt. Plan Dev.*	100%	$100,000	$0.5M
Small System ("Nano") ≤ 10,000 customers	50%	$0.5M	$4M
Lead Line Replacement**	50%	Up to $10M, $5M or $1M per water system (Depending on number of known lead service lines; remainder at applicable base rate)	$103M
Small System (≤1,000) Lead Abatement ***	90%	$1M	$10M
Small Systems (<500) Community Engineering Corp	100%	$0.5M (Remainder at base)	$2M
Small Systems (≤1,000) Engineering Contract	90%		

* Must result in a project ranked high enough to receive funding.
** Water systems are eligible to receive principal forgiveness for lead line replacement funding in communities with an MHI less than the MHI for the State. These projects are funded in project priority order according to ranking assigned by the priority ranking system. PF Funding is capped per applicant/year based on the number of known lead service lines.
***Small systems with a population less than or equal to 1,000 are eligible to receive principal forgiveness for corrosion control treatment and lead line replacement in communities with an MHI less than the MHI for the State.

Drinking Water SRF Financing Options

The DEP sets DWSRF base program shares for the financing package wherein 50% of the allowable project costs for publicly owned water systems are provided by the DEP interest-free and 25% of the allowable project costs for privately-owned water systems are provided by the DEP interest-free and the remaining allowable project costs are financed by the I-Bank.

In addition to water system ownership (publicly-owned vs. privately-owned), water system loan rates will be determined based on affordability criteria as described in Appendix 1. The DEP determined that for the purposes of the DWSRF Program, a municipality whose median household income equal to or less than 65% of the State's MHI (New Jersey's MHI was $68,911 as reported in the 2010 Census) is a Disadvantaged Community. The publicly-owned water systems serving these communities will receive a funding package of 75% DEP/25% I-Bank.

Project sponsors are only eligible for one enhanced subsidization rate (Nano, small system lead abatement, affordability, or PF for lead service line replacement) per capital project up to the specified project caps. The remainder of project costs are financed at the applicable base rate.

Drinking Water SRF Funding Caps

Project applicants for investor owned water systems are capped at $10 million per project. In addition, all project applicants for both investor-owned and publicly owned systems are capped at $25M per applicant per year. Project costs over the specified caps can be financed by the I-Bank. The DEP is maintaining a funding cap of $25 million (per applicant/per year) for SFY2021 for publicly owned water systems and extending the cap to investor owned water systems to ensure that multiple high priority drinking water projects receive funding. The total project cost financed, including any portion of the project financed at the base rate and financed at an enhanced subsidization rate (Nano, affordability, lead line replacement) may not exceed $25 million.

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

Drinking Water SRF Financing Timeline

For the DWSRF SFY2021 program, funding decisions will be based on the DWSRF Project Priority List, as determined by the DWSRF Project Ranking methodology. DEP will be determining financing availability and loan terms in priority ranked order based on available funds as follows:

- All projects that are in the fundable range as of the date of certification by DEP will be allowed to proceed to a short-term loan closing on a readiness to proceed basis. Note that the actual number of projects in the fundable range could expand or contract as loan construction bids are received, and total low bid allowable project costs are evaluated.

- The DEP will reach out to all projects within the fundable range as of January 1, 2021 asking to confirm readiness to proceed in SFY2021 or request to be bypassed to the next SFY. This will allow the DEP to extend the fundable range by allocating funds from bypassed projects to the next ranked project. Projects in the fundable range that do not receive Authorization to Award by April 1, 2021 will be bypassed for the SFY2021 funding cycle and the fundable range will be extended accordingly.

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. Terms for project planning, engineering design and construction short-term loans that close before or during the planning stage of a project (a “planning, design and construction” loan). A planning design and construction loan shall mature no later than the last day of the fifth succeeding fiscal year following the closing date of the line of credit loan, or the last day of the third succeeding fiscal year following the date of construction certification following the closing date of the line of credit loan, whichever is sooner provided that

planning or engineering design activities shall not exceed two years from the closing date of the loan. Short-Term Loans for Combined Sewer Overflow Long-Term Control Plans, recognized by the Financing Program, offer terms of up to ten (10) years. Pending legislation authorizes the issuance of one short-term supplemental loan for residual project expenses upon certification by the Department that the time required by the project sponsor to complete construction of the project exceeds the maximum maturity date of the project sponsor's outstanding short-term loan.

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. 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.

Most borrowers are able to include the portion of the 2% DEP loan origination fee due at short term closing (1% of project costs or 50% of the total DEP loan origination fee) in their short-term loan. 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[2], 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 initially 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

[2] For short-term loans issued upon certification of engineering contracts, long term financing terms are established upon certification of the construction contract. For short-term loans issued at the time of certification of construction contracts, long-term financing terms are established upon construction loan closing. For applicants financing the cost of construction through non-NJEIFP sources or self-funding, long-term financing terms apply at the time of long-term loan closing.

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 SFY2021 Interim Financing Program Clean Water Project Priority List and the SFY2021 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.

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 $1.0 million in principal forgiveness funds is expected to be available for this purpose in SFY2021. To qualify for principal forgiveness, the asset management program must result in the construction certification of a related capital infrastructure project funded by the Financing Program with an aggregate principal amount of not less than $250,000 within two (2) years or within the time set forth in the terms of the Note. Larger systems are eligible for short-term loans, currently interest-

free, for AMP development provided it is financed 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: $2.5 million in principal forgiveness has been committed towards Cumberland County Improvement Authority to resolve failing septic systems and prevent shellfish bed closures in Fortescue and Gandys Beach in Downe Township. To the extent those committed funds are not obligated in SFY2020, they will be made available to this project for obligations in SFY2021.

iii. Water Quality Restoration: The DEP is reserving funds and providing principal forgiveness loans for capital improvement projects and equipment purchases that will eliminate, prevent or reduce documented occurrences of shellfish bed and beach closings and DEP advisories due to the presence of harmful algal blooms. Projects eligible for this category would eliminate potential sources of harmful algal blooms such as failing on-site wastewater systems and cross-connections between storm sewers and sanitary sewers. Eligible projects also include the expansion or replacement of stormwater management systems as well as the purchase of skimmer boats, aquatic weed harvesters and equipment to maintain stormwater management facilities. There is a $2 million cap of principal forgiveness per applicant in SFY2021. Projects are eligible for up to 50% principal forgiveness, 25% DEP interest free and 25% I-Bank market rate financing for the first $4 million of allowable project costs. 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 $4 million and $10 million. Costs above $10 million will be financed through the base CWSRF rate. A total of $10 million in principal forgiveness funds will be reserved for Water Quality Restoration projects in SFY2021. Priority for principal forgiveness funds will be given to eligible projects that address HABs (HAB Projects). Principal forgiveness funds will be allocated to HAB projects on a readiness to proceed basis. If there is insufficient demand from eligible HAB projects, unallocated principal forgiveness funds may be used for projects that address shellfish bed downgrades, beach closings and advisories due to the presence of pathogens.

iv. CSO Sewershed – Grey and Green Infrastructure: The DEP is reserving funds and providing principal forgiveness loans for CSO abatement projects utilizing grey and/or green practices (such as green roofs, rain gardens, porous pavement, and other activities that maintain and restore natural hydrology by treating stormwater runoff through infiltration into the subsoil, treatment by vegetation or soil, or stored for reuse). Projects are eligible for up to 50% principal forgiveness, 25% DEP interest free and 25% I-Bank market rate financing. A total of approximately $25 million in principal forgiveness funds is anticipated to be available for CSO Grey and/or Green Infrastructure in SFY2021 of which $2.5M will be reserved exclusively for Green Infrastructure. There is a $2.0 million cap of principal forgiveness per applicant in SFY2021. 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 $4 million and $10 million. Costs above $10 million will be financed through the base CWSRF rate. If there is insufficient demand from

eligible projects to utilize the principal forgiveness for green infrastructure in SFY2021, unallocated funds may be used for grey infrastructure.

v. Sandy Relief: Sandy Relief funds remain available for clean water facilities that were damaged by Superstorm Sandy and are making repairs or improving resiliency to prevent future damage to a treatment facility or water system from a similar event. Resiliency projects include elevating critical infrastructure, flood walls, backup power sources and more. Sandy Relief funds were made available in a one-time installment and offered while funds remain. As such, the NJEIFP will continue to accept submittals under the Sandy Relief program, which includes a principal forgiveness component of approximately 19% of the allowable costs. If all of the Sandy Relief funds are awarded in SFY2020, new submittals will be eligible under the Base SRF loan structure.

vi. Pinelands Infrastructure Trust Financing Program: The Water Bank expects to make loans to eligible clean water projects and drinking water projects identified in the Pinelands Infrastructure Trust Fund Infrastructure Master Plan (PITF) using funds available through the Pinelands Infrastructure Bond Act. The Pinelands Infrastructure Projects have been ranked by the Pinelands Commission in accordance with their ranking methodology set forth in PITF as amended by the Pinelands Commission in February 2019. Project selection and funding levels were adopted by the Pinelands Commission in June 2019. These loans will help local governments and utility authorities defray the costs associated with supporting the population and economic growth targeted to Pinelands Regional Growth Areas. Approximately $15.9 million will be available from the Pinelands Infrastructure Fund for qualifying clean water, drinking water and transportation projects. Project financing will generally consist of 50% loan, 40% grant, and 10% local match. In cases where a hardship has been identified, the local match may be waived, and the award will be allocated as 50% loan and 50% grant. The Department is planning to capture any eligible clean water projects and drinking water projects and utilize State Bond funds from the Pinelands Program as credit towards the State Match requirement or future State Match requirements.

vii. Small Drinking Water Systems (NANO): In addition to funds carried over from SFY2020, up to $4 million is available in principal forgiveness for Drinking Water Projects to existing publicly-owned and privately-owned community water systems and non-profit, non-community water systems with populations of 10,000 persons or less. These loans 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, 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. In addition to funds carried over from SFY2020, up to $103M is available in principal forgiveness to fund lead service line replacement projects that serve communities with a weighted median household income (MHI) less that the MHI for the State. Projects will be funded in priority ranked order, with those water systems exceeding the action level receiving priority. The MHI is calculated using 2017 Census data, in accordance with data obtained from https://www.census.gov/quickfacts/NJ. Water systems that do not exceed the lead action level but want to replace lead pipes are eligible for principal forgiveness in ranked order. Loans will be offered as 50% principal forgiveness and 50% funding from the I-Bank at Market Rate.

Project applicants are capped at $1, 5 or 10 million in principal forgiveness per water system (PWSID)/per year based on the number of **known** lead service lines being replaced in communities with an MHI below the State MHI. Project caps are based on known lead service lines in areas with an MHI that is below the State MHI and not the total number of lead service lines that may exist throughout the system. Water systems may be required to perform further materials evaluations in areas with an unknown number of lead service lines in order to qualify for principal forgiveness in those areas. Specifically, the caps are as follows:

- $10M principal forgiveness for systems with > 5,000 known lead service lines
- $5M principal forgiveness for systems ≥ 1,000 and ≤ 5,000 known lead service lines
- $1M principal forgiveness for systems < 1,000 known lead service lines

The balance of financing will be provided at the applicable base rate. The following criteria must be met for the lead service line replacement project to be eligible for NJEIFP loans:

- Be able to document the presence of lead pipes and/or components (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.
- Provide a Lead Service Line Replacement Plan and Capital Improvement Plan to establish a strategy for lead line replacement that complies with all federal and State requirements.
- Partial lead line replacements are not allowable.

i. Small System Lead Abatement: The DEP will set-aside $10M to fund the installation of corrosion control treatment or lead service line replacement at water systems serving a population ≤ 1,000 in priority ranked order. This includes small community water systems, such as mobile home parks, as well as eligible noncommunity water systems that may include schools and religious institutions. The challenges facing these systems differ from their larger counterparts. In many cases, these systems contain no lead service lines and must rely on the installation of corrosion control treatment for lead abatement. Project applicants are capped at $1 million in principal forgiveness per water system (PWSID)/per year. Loans will be offered as 90% principal forgiveness and 10% funding from the I-Bank at Market Rate. If any of the $10M is remaining as of April 1, 2021 it will be made available as PF under the terms of the LSL replacement category.

ii. Small Water System Engineering Program: $2 million of SRF funds is being made available for programs directed to provide assistance to small systems.

Community Engineering Corps

DEP is partnering with the Community Engineering Corps to identify water systems that serve fewer than 500 persons and need assistance to come into compliance. 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. The DEP will not charge permit fees to these small systems.

Engineering Contract

In 2020, the NJDEP and the New Jersey Water Association (NJWA) are establishing a new contract, funded through a DWSRF set-aside, to provide small water systems with engineering services needed to close on a Water Bank loan. Under the terms of this contract, NJWA partners the small water systems with engineering firms to complete project milestones, including permitting, submittal of the Environmental Decision Document (EDD) and loan closing to fund projects including treatment for contaminants such as PFNA, PFOA, and PFOS. When these projects are ready for financing, they will be ranked, and financed to the extent that the DEP can accommodate their loan requests.

The $2M in principal forgiveness will be made available to small systems serving ≤1,000 persons that are funded through participation in the engineering contract. Project applicants are capped at $500,000 per project. Loans will be offered as 90% principal forgiveness and 10% funding from the I-Bank at Market Rate. Systems serving >1,000 persons that are provided with assistance through the engineering contract will be funded in priority ranked order and eligible for Nano funds based on availability.

DISASTER RELIEF EMERGENCY FINANCING PROGRAM (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.

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 5 full fiscal years. Currently SAIL Loans are funded at 0% interest rate but may be offered at up to 50% of the market rate depending on the availability of funds.

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

- Submission of a Letter of Intent and environmental planning documents;
- Project permits;
- Construction design documents and State and I-Bank loan applications;
- If an applicant seeks SAIL financing for short-term cash flow needs in anticipation of federal reimbursement (e.g. FEMA), the application review also requires satisfaction of the requirements of the federal program from which reimbursement is or will be sought;
- A certification by the Commissioner of the DEP that the Project is necessary and appropriate to repair damage to a wastewater treatment system or water supply facility directly arising from an act of terrorism, seismic activity or weather conditions that occurred within the three State Fiscal Years after

a declaration by the Governor of the State (the "Governor") of a state of emergency, provided that such wastewater treatment system or water supply facility is located in a county included in the Governor's state of emergency declaration, or

- Mitigate the risk of future damage to a wastewater treatment system or water supply facility from an act of terrorism, seismic activity or weather conditions comparable in scope and severity to an act of terrorism, seismic activity or weather conditions that occurred within the three State Fiscal Years after a declaration by the Governor of a state of emergency, provided that such wastewater treatment system or water supply facility is located in a county included in the Governor's state of emergency declaration;

- The Project is listed on the SAIL Disaster Relief Emergency Financing Program Priority List for funding in the forthcoming State Fiscal Year submitted to the Legislature in a form provided by the Commissioner of the DEP and within 3 fiscal years of the declared disaster;

- The proposed Borrower has submitted a complete application for the Project to the I-Bank; and

- The Board of Directors of the I-Bank has certified the Project.

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

Given the necessity that project expenses meet FEMA/HUD requirements as a condition of reimbursement and the need to have such applications approved expeditiously, the program has retained an outside engineering consulting firm to assist in the review of construction design and eligible costs, conduct site visits and review disbursements. Although it is anticipated that the majority of such costs will be reimbursed by federal funding sources, ineligible/unreimbursed amounts are the responsibility of the applicant. Qualifying SRF amounts will be financed by NJEIFP and paid for by the SAIL program Borrower. Such costs will typically be incorporated into the long-term financing program package.

A particularly successful Program, fourteen (14) SAIL projects, with an estimated cost of $638.1 million, have expressed interest in SAIL financing, all of which are projects to improve the resiliency of waste water facilities adversely impacted during Superstorm Sandy. As of January 2020, six (6) have completed construction at an estimated project cost of $49.2 million, five (5) are under construction at a total estimated project cost of $153.9 million, and it is anticipated that the remaining three (3) 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 forty (40) days of receipt of requests for

reimbursement, a marked improvement relative to project sponsors who would otherwise be seeking reimbursement from FEMA individually; and (2) SAIL staff possesses an expertise in FEMA regulations and compliance matters and guide Borrowers in the proper structuring of reimbursement requests to reduce the frequency of rejected or unreimbursed cost submissions as well as the probability of non-compliance with FEMA's requirements.

The SFY2021 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, 2019 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 SFY2020, those program borrowers who closed long-term loans prior to SFY2020 will receive 75% of their long-term financing from the DEP at 0% interest and the remaining 25% of funds from the I-Bank at the I-Bank's AAA market rate, creating a "blended" loan rate of 25% of the AAA market rate. This lower cost of funds results in interest savings of as much as 40% of the total loan amount over 30 years when compared to the cost of these borrowers financing their projects on their own. Under the terms of the SFY2021 Program where borrowers will receive 50% of their long-term financing from the DEP at 0% interest 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 $177 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 an I-Bank-only loan; and

- Flexible Term - Shorter term financing is available for Borrowers who wish to minimize the repayment period of their loan.

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.

SFY2019 NJEIFP SUMMARY

PROJECTS

LONG-TERM FINANCING

Bond Pool Projects: A total of **twenty-seven (27)** borrowers representing **thirty-three (33)** clean water and drinking water projects received long-term NJEIFP financing in the amount of **$120,025,036** in SFY2019. 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 SFY2019 Financing Program, **fifty-six (56)** borrowers representing **seventy-eight (78)** clean water and drinking water projects received short term construction loans in the amount of **$364,955,602**. Eleven of these forty borrowers received long-term financing by June 30, 2019.

SAIL LOANS

Three disaster emergency SAIL Program loans issued by the I-Bank were converted to long-term financing in SFY2019 to finance Superstorm Sandy-related rebuild and resiliency projects in the total amount of $21.14 million:

- **Bayshore Regional Sewerage Authority loans**: Secured $15,031,324 in short-term financing through the SAIL program for the restoration and mitigation of blower building and power distribution system. To date, $6,856,465 has been reimbursed by FEMA and $3,488,467 has been converted to long-term financing through the I-Bank in SFY 2019.
- **Kearny Municipal Utilities Authority:** Secured $6,441,376 in short-term financing through the SAIL program to replace the pump and associated equipment to increase operational reliability of the pump station. To date, $4,233,807 has been reimbursed by FEMA and $1,455,871 has been converted to long-term financing through the I-Bank in SFY2019
- **Middlesex County Utilities Authority:** Secured $35,208,623 in short-term financing through the SAIL program to replace mechanical and electrical components at a pump station. To date, $14,156,996 has been reimbursed by FEMA and $16,199,822 has been converted to long-term financing through the I-Bank in SFY 2019.

  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 SFY19 PROJECTS

In SFY2019, 119 projects received funding through short-term and/or long-term loans totaling approximately $429.03 million.

See Appendix E for a Summary of these projects.

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

BASE SFY2021 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 SFY2021 were published in December 2019. This Report, in part, reflects the contents of the proposed CW Plan for both the SFY2021 Base and Sandy Financing Programs and proposed DW Plan for the SFY2021 Base Program (all Sandy funds for the DW Program have been awarded).

Sources of funding for Superstorm Sandy projects for FFY2020/SFY2021 will come from the unused portion of FFY2017 Disaster Relief Appropriations Act ("DRAA"), and authorized funds from the DEP and the I-Bank. Although the Department is working to award all the Sandy CWSRF funds in the SFY2020 Program, there is the possibility that not all of the available funds will be utilized by the end of the fiscal year. Therefore, the Department will continue to accept application submittals under the Sandy CWSRF Program, which generally includes a principal forgiveness component of approximately 19% of the allowable costs. If all the Sandy CWSRF funds are awarded in SFY2020, new application submittals will still be eligible for financing under the Base Loan Program's loan structure.

Consistent with the SFY2020 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 SFY2021 and CW-Sandy Financing Programs. The CW Plan and DW Plan each include a priority system that identifies the project activities that are eligible to be financed in each year's Financing Program. *Eligible project activities are summarized below.*

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

The DW proposed priority system describes the ranking methodology for eligible drinking water projects. Project ranking within the DW SFY2021 Base Financing Program priority system is based on criteria pertaining to compliance, public health, approved water supply plan/studies, state designations, affordability, and population. The current priority system ranking methodology used for ranking CW and DW projects is set forth below.

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. [3]

A Project is then eligible to apply 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 SFY2021 Financing Program and their relative rank are set forth in the SFY2021 Project Priority List.

For DW projects, the Department will continue to provide authorizations to advertise and award contracts to allow an applicant to remain eligible to receive funding from the program if funds become available and the project is within the fundable range in accordance with the IUP. Applicants who proceed with bid advertisement and contract award do so without any commitment from the Department that funds will be provided and with an understanding the 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 SFY2021 Base Financing Program and Sandy Financing Program include a pool of four hundred eighty-four (484) Clean Water and Drinking Water projects at a total estimated cost of $4.89 billion. The SFY2021 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 SFY2021 NJEIFP and Superstorm Sandy financing programs and consists of three hundred and nineteen (319) Clean Water projects at a total estimated cost of $3,638,937,106, inclusive of Clean Water Pinelands projects. The SFY2021 Drinking Water Interim Financing Program Project Priority List *set forth in Appendix B* includes projects eligible for financing pursuant to the SFY2021 Drinking Water Financing Program and consists of one hundred sixty-five (165) Drinking Water projects at a total estimated cost of $1,262,149,561.

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

[3] 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.

the project was proposed. Moreover, the project cost is based on preliminary engineering estimates (as opposed to actual construction bids). As such, the project type descriptions and loan amounts should be relied upon only for general information.

ELIGIBLE PROJECT ACTIVITIES

CLEAN WATER

Base SFY2021 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. SFY2021 and Sandy NJEIFP Loans are also subject to the availability of funds.

CLEAN WATER BASE SFY2021 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 SFY2021 NJEIFP PROJECTS

Although NJEIFP staff is working to award all of the Sandy CWSRF funds in the SFY2020 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 SFY2021, 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 SFY2021 NJEIFP PROJECTS

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

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

i. Compliance and Public Health:

- General Guidelines

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

- Projects to Replace Aging Infrastructure

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

  - Rehabilitate or develop sources (excluding reservoirs, dams, dam rehabilitation, and water rights) to replace contaminated sources;

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

- Projects to Consolidate Water Supplies

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

ii. Multi-Year Projects / New Wells:

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

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

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

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

iii. Green Project Reserve (GPR):

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

Further clarification on GPR is available at: 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.

PROJECT RANKING METHODOLOGY

CLEAN WATER RANKING CRITERIA (BASE SFY2021 NJEIFP AND SANDY NJEIFP)

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

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

The Department's Priorities List provide a strategic foundation for structural changes and include objectives to implement projects that will help to protect, maintain and improve water quality in and around the Barnegat Bay while determining the best long-term approach for restoring the ecological health of the Bay. To support these efforts to improve the water quality of the Bay, the project ranking methodology for the SFY2021 Financing Program provides an additional 300 priority points to nonpoint source and stormwater runoff control projects that are intended to benefit the Barnegat Bay. The additional 300 points will also be assigned to wastewater reuse projects that are intended to offset the loss of freshwater flows caused by the regionalization of sewage treatment plants and the use of ocean outfalls.

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

i. Sustainable Community Planning Activities:

The purpose of the provisions in this section is to encourage and facilitate implementation of environmentally sustainable practices at the local government level. Prudent environmental planning that incorporates sustainability measures is necessary to achieve cost-effective and environmentally sound water quality improvement within the watershed. Additional priority points will be awarded to

projects located in or benefiting municipalities that have implemented programs and actions that go beyond compliance with existing regulatory requirements and incorporate the following environmental enhancement planning strategies.

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

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

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

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

The SFY2021 Priority System reflects the Department's priorities to encourage sustainable growth in communities by incorporating consistent criteria for the protection of natural resources and implementation of smart growth and green design principles.

Green design principles include green building practices that increase energy and water efficiency; use renewable energy; use environmentally friendly building materials that are made with recycled materials, are durable, sustainably harvested or produced locally; improve indoor air quality; and make appropriate site selection and minimize site disturbance to reduce environmental impacts.

ii. Project Discharge Category Points:

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

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

In addition to the point assignments above, projects that implement green infrastructure, water or energy efficiency improvements (including projects that are designed to reduce greenhouse gas

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

Table IB. Ranking Points Related to Project Categories for Stormwater and Nonpoint Source Pollution Management Facilities

Project Category	Description	Points
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 *N.J.A.C.* 7:12.	125
	Trout	State freshwater bodies designated for trout production or maintenance by the NJ Water Quality Standards (*N.J.A.C.* 7:9B).	75
	Non-trout	State freshwater classifications not designated trout production or maintenance by *N.J.A.C.* 7:9B (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				
		Points for Water Quality that		
Water Quality		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 V

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 V**; 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 SFY2021 CW program continues the project prioritization methodology first utilized in SFY2015. Funds available at the time of project approval (authorization to award a final construction contract), will be allocated to the approved project. CW projects are prioritized for funding based on the following criteria.

Emergency Projects

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

a. Supplemental Loans

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

b. Current Year Project Submissions

DRINKING WATER RANKING CRITERIA (BASE SFY2021 NJEIFP)

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

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

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

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

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

1. Emergency Projects are considered a public health hazard and receive funding over other projects on the Comprehensive Priority List;
2. Surface Water Treatment Rule violations including uncovered finished water reservoirs;
3. MCL and Lead Action Level Exceedances;

4. Lead Service Line replacements in communities with an MHI less than the MHI for the State for water systems without a Lead Action Level Exceedance;
5. Unregulated contaminants (contaminants of emerging concerns);
6. Small Systems serving less than 10,000 persons, up to 15 % of DWSRF Funds;
7. Corrosion control and lead service line replacement in communities serving a population ≤1,000 that have an MHI less than the MHI for the State;
8. Projects that have secured federal/non-profit grants to be leveraged with SRF funding,
9. Other projects currently on the comprehensive list.

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

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

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

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

Table I. Project Elements Eligible for Project Priority Ranking in the Drinking Water State Revolving Fund Program [4]

Priority Order	Project Description	Points
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

[4] 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**).

3.	Systems that utilize groundwater that have had any acute violation (either fecal coliform or nitrates).	300
4.	Systems that have had, or DEP reasonably expects to have, any maximum contaminant level violations (except acute violations) or exceedance of action levels (lead and copper rule).	250
5.	Systems that have, or DEP reasonably expects to have, exceeded a groundwater quality criterion, guidance, or advisory as deemed applicable by the DEP.	200
6.	Systems that were classified as vulnerable, as a result of a 2007 DEP Interconnection Study	200
7.	Systems that have been issued a notice of noncompliance by DEP for reasons other than water quality; i.e. inadequate storage, inadequate source, lack of emergency power, etc.	175
8.	Purchase and/or consolidation of a water system to comply with the SDWA for capacity development.	170
9.	Systems that are proposing improvements for drought or other related water supply management initiatives, as identified or designated by the State.	160
10.	Systems that have lost well capacity due to saltwater intrusion and a solution is needed to preserve the aquifer as a viable aquifer.	150
11.	Extension of water mains, including associated appurtenances and water system facilities, to private wells that have had any maximum contaminant level violations or exceeded lead and copper action levels.	125
12.	Systems without a lead action level exceedance that: 1) are replacing known lead service lines in communities with an MHI less than the MHI for the State; and 2) are certified for principal forgiveness under the approximately $110M available as a result of the Water Transfer Funding Act.	125
13.	Existing treatment facilities that need to be rehabilitated, replaced, or repaired to ensure compliance with the SDWA.	100
14.	Existing transmission or distribution mains with appurtenances that need to be rehabilitated, replaced, repaired or looped to prevent contamination caused by leaks or breaks in the pipe or improve water pressures to maintain safe levels or to ensure compliance with the SDWA.	75
15.	Existing pump stations or finished water storage facilities that need to be rehabilitated or replaced to maintain compliance with the SDWA.	60
16.	New finished water storage facilities or pump stations that are needed to maintain pressure in the system and/or prevent contamination.	50
17.	Addition or enhancement of security measures at drinking water facilities, including but not limited to fencing, lighting, motion detectors, cameras, secure doors and locks, and auxiliary power sources.	45
18.	Green Infrastructure renewable energy generation such as solar panels, hydroelectric geothermal or wind turbines or infrastructure built at the water system facilities such as green roofs, porous pavement, bio-retention or gray water reuse	45
19.	Systems which have had any exceedance of any secondary drinking water regulations that have received notification issued by DEP that exceedance of a secondary drinking water regulation causes adverse effects on the public welfare, and for which the system has received a directive issued by the DEP requiring correction of the exceedance.	40
20.	Installation of new water meters and/or other water conservation devices, including but not limited to retrofit plumbing fixtures.	35

21.	Construction of new or rehabilitation of existing interconnections between water systems to improve water pressures to maintain safe levels, promote availability of alternative source of supply, or to ensure compliance with the SDWA.	30
22.	Replacement of water meters.	25
23.	Redevelop wells, construct new wells, or construct or rehabilitate surface water sources with associated treatment facilities to meet the New Jersey SDWA rules for required pumping capacity.	15
24.	Other project elements, not including items 1 through 23 above, that ensure compliance with the SDWA and protect public health, as approved by DEP.	1

ii. Water Supply Plans/Studies:

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

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

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

iii. State Designations:

- State Plan

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

  - Projects located predominantly within, or designed to provide service to, a designated growth area that lies within a municipality that has received Plan Endorsement of its Master Plan from the New Jersey State Planning Commission, or is an Urban Center or Urban Complex, are eligible for twenty (20) points.

  - Projects located predominantly within, or designed to provide service to, a designated growth area that lies within a municipality that are identified in the Master Plan currently recognized as endorsed by the New Jersey State Planning Commission as a designated

center other than an Urban Center (Regional Center, Town, Village, Hamlet), are eligible for fifteen (15) points.

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

- Transit Village Initiative

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

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

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

- Brownfield Development Area (BDA)

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

- Green Project Reserve (GPR)

DEP promotes green infrastructure, water and energy efficiency, and environmental innovation in its water improvement projects. Therefore, the DEP provides fifteen (15) additional priority points

to any project that is a categorically eligible project, in accordance with Section I of the Intended Use Plan.

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

iv. Affordability:

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

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

(Municipal MHI / Statewide MHI) x 100 = Affordability Factor

Points are assigned as shown in Table II.

Table II. Point Values Assigned Based on Affordability Factor Calculation	
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

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

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

Example of Weighted Avg. MHI				
Municipalities Served	*MHI*	*Populations Served*	*Fraction of total population served*	*Weighted municipal MHI*
Lancaster	*30,000*	*5,000*	*0.167*	*5,000*
Mayberry	*20,000*	*10,000*	*0.333*	*6,660*

Holmeville	*25,000*	*15,000*	*0.500*	*12,500*
TOTAL		***30,000***	***1.00***	***24,160***

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 x Winter Population) + Summer Population] / 3 = Weighted Permanent Population

vi. Drinking Water Emergency Projects:

The following factors are also considered in project ranking: (i) Emergency Projects, (ii) Surface Water Treatment Rule violations including uncovered finished water reservoirs, (iii) MCL and Lead Action Level Exceedances, (iv) Lead Service Line replacements in communities with an MHI less than the MHI for the State for water systems without a Lead Action Level Exceedance; (v) Unregulated contaminants (contaminants of emerging concerns), (vi) Small Systems serving less than 10,000 persons, up to 15 % of DWSRF Funds, (vii) Corrosion control and lead service line replacement in communities serving a population ≤1,000 that have an MHI less than the MHI for the State; (viii) Projects that have secured federal/non-profit grants to be leveraged with SRF funding, (ix) Other projects currently on the comprehensive list.

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

Drinking Water Emergency Repair Projects will be defined as, and limited to, projects that replace, in kind, the failure of an essential portion of a public water system that will disrupt water service to any number of the public water system's customers for a minimum of 24 hours total and/or poses a substantial threat to the public health, safety, and welfare. Only projects satisfying the following three criteria are eligible to qualify for emergency funds: (i) the project will repair the actual or impending failure of one or more components of a drinking water or wastewater system caused by structural or

mechanical failure, sabotage or act of God; (ii) the actual or impending failure of the system could not have reasonably been foreseen; and (iii) the project is necessary and limited to correct the failure of an essential portion of the environmental infrastructure system to restore service. The DWSRF only funds the portion of any repair that is necessary to restore lost service to the affected population under the emergency loan provisions. A water purveyor may only receive emergency funding for a specific Emergency Repair Project ONCE. Any long-term solutions, modifications, and/or upgrades to prevent future emergency occurrences must be addressed in future financing cycles as a project and published on the Project Priority List.

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

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, 2020 in accordance with terms of the I-Bank Enabling Act.

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APPENDICES INDEX

Appendix A: Combined Base SFY2021 Interim Clean Water / Superstorm Sandy Environmental Financing Program Project Priority List and Updated Statewide Assistance Infrastructure Loan Program (Disaster Relief Emergency Financing Program) Project Priority List.

Appendix B: Base SFY2021 Interim Drinking Water Environmental Financing Program Project Priority List.

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

Appendix D: Emergency Loan Program Guidance Document

Appendix E: New Jersey Environmental Infrastructure Financing Program State Fiscal Year 2019 Financing Program Summary

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APPENDIX A - Clean Water

SFY2021 Interim Clean Water/Superstorm Sandy Financing Program and Disaster Relief Emergency Financing (Statewide Assistance Infrastructure Loan (SAIL)) Program Project Priority Lists

Alphabetical Order

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
SUPPLEMENTAL LOANS					
North Hudson Sewer Authority	S340952-19-1	N/A	32,33	Combined Sewer Improvements	$ 700,000
Paterson City	S340850-03-1	N/A	35	Change Order 2 CSO 029 Solids and Floatables Control	$ 2,550,000
Rockaway Valley RSA	S340821-06-1	N/A	40	Old Jersey Trunk Sewer Replacement	$ 775,000
Warren Township Sewer Authority	S340964-02-1	N/A	21	Fox Hill West & Heather Lane Pump Station	$ 350,000
Supplemental Loans:	**4**			**Subtotal:**	**$ 4,375,000**

BASE & SUPERSTORM SANDY LOANS					
Aberdeen Township	S340869-02	792	13	Sanitary Sewer and PS Upgrades	$ 9,000,000
Allentown Borough	S340567-05	248	12	Sewer Plant Modifications	**$ 5,100,000**
Allentown Borough	**S340567-06**	**1113**	**12**	**Water Meter Replacement (FKA DW)**	**$ 664,938**
Asbury Park City	S340883-08	1061	11	Sewer Plant	$ 63,000,000
Atlantic City Municipal Utilities Authority	**S340439-04**	**1060**	**2**	**Water Meter and MTU Replacement**	**$ 2,300,000**
Atlantic County Utilities Authority	S340809-29	393	2,9	Replace a portion of Brigantine Force Main	$ 4,300,000
Atlantic County Utilities Authority	S340809-30	397	2,9	Ventnor-Margate Force main Replacement - Phase 1	$ 10,100,000
Bayonne City	S340399-31	84	31	**CSO** - Stormwater Management Facilities and Park Improvements	$ 1,618,539
Beach Haven Borough	S344220-01	206	9	**Barnegat Bay** - Stormwater Pump replacement and drainage	$ 2,038,640

Key	
Red Text	SAIL Program (Disaster Relief Projects)
Blue Text	Project formerly appeared on DW list
Green Text	Cost and/or New Project Update
Bold	Updated information

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Bellmawr Borough	S342011-02	978	5	Waterfront Development Remediation	$ 68,400,000
Bergen County Utilities Authority	S340386-14	216	20,23,36,37, 38,39 & 40	All offsite mitigation improvements	$ 54,172,587
Bergen County Utilities Authority	S340386-15	216	20,23,36,37, 38,39 & 40	Power Supply mitigation improvements	$ 42,094,280
Bergen County Utilities Authority	S340386-16	216	20,23,36,37, 38,39 & 40	All Plant wide mitigation improvements	$ 19,537,263
Bergen County Utilities Authority	S340386-18	216	20,23,36,37, 38,39 & 40	Pump Station Resiliency Project	$ 2,491,339
Bergen County Utilities Authority	S340386-19	210	20,23,36,37, 38,39 & 40	Infrastructure Protection Improvements	$ 3,240,000
Bergen County Utilities Authority	S340386-20	210	20,23,36,37, 38,39 & 40	Primary Settling Tanks Improvements	$ 9,000,000
Bergen County Utilities Authority	S340386-21	210	20,23,36,37, 38,39 & 40	Final Settling Tanks Improvements	**$ 7,600,000**
Bergen County Utilities Authority	S340386-22	210	20,23,36,37, 38,39 & 40	Facility Assessment and Improvements	$ 5,690,000
Bergen County Utilities Authority	S340386-23	210	20,23,36,37, 38,39 & 40	Sludge Digester Improvements	$ 18,700,000
Bergen County Utilities Authority	S340386-24	210	20,23,36,37, 38,39 & 40	Tank Header Improvements	$ 1,950,000
Bergen County Utilities Authority	S340386-25	388	20,23,36,37, 38,39 & 40	Northern Valley Force Main Improvements	$ 4,000,000
Berkeley Township	S340969-12	862	9	Stormwater/Equipment	$ 706,150
Berkeley Township	S344020-02	246	9	**Barnegat Bay** - Water Quality Retention Basin at Moorage Park	$ 905,063
Bloomfield Township	**S340516-01**	**1093**	13	**Water Meter Replacement (FKA DW)**	**$ 7,230,970**

Key	
Red Text	SAIL Program (Disaster Relief Projects)
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Borough of Wenonah	S340531-01	621	5	Sanitary Sewer Collection System Asset Management and System Improvements	$ 1,330,000
Bradley Beach Borough	S340472-01	596	30	Sewer Main Installation and Repairs - Phase I	$ 2,700,000
Bradley Beach Borough	S340472-02	937	30	Bradley Boulevard Stormwater Rehab	$ 2,590,050
Brick Township Municipal Utilities Authority	S340448-11	419	10	Wastewater Pump Station Rehabilitation - Phase II	$ 5,700,000
Brick Township Municipal Utilities Authority	S340448-13	419	10	Sanitary Sewer Main Replacement on Cartagena Drive, Alhama Drive, Cadiz Drive, Valencia Drive and Monterey Drive	$ 4,060,000
Brick Township Municipal Utilities Authority	S340448-14	1097	10	Meter Replacement - Phase II	$ 2,000,000
Brick Township Municipal Utilities Authority	S340448-12	419	10,30	Sanitary Sewer Manhole Rehabilitation and Replacement	$ 4,824,000
Brigantine City	S340827-04	548	2	Emergency Generators **(SANDY)**	$ 3,300,000
Brigantine City	S340827-05	902	2	Flood Control and Pump Station Improvements **(SANDY)**	$ 4,600,000
Brigantine City	S340827-06	902	2	Municipal System Improvements	$ 1,001,066
Buena Borough Municipal Utilities Authority	S340518-06	594	2	Upgrades to Sanitary Municipal Authority	$ 1,298,000
Burlington City	**S340140-02**	**1085**	**7**	**Meter Replacement (FKA DW Meter replacement & Filter rehabilitation)**	**$ 2,600,000**
Burlington Township	S340712-17	483	6	Sanitary Sewer Rehabilitation in Various Locations	$ 1,000,000
Camden City	S340366-07	34	5	**CSO** - 2014 Sanitary/Combined Sewer Rehab / Replacement Project	$ 59,000,000
Camden City	S340366-12	34	5	**CSO** - Cooper Street Pump Station	$ 2,300,000

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Camden City	S340366-13	34	5	**CSO** - Rehabilitation of Arch Street Pump Station	$ 12,000,000
Camden City	S340366-14	34	5	**CSO** - Rehabilitation of Ten (10) Combined Sewer Outfalls.	$ 9,370,000
Camden City	S340366-15	34	5	**CSO** - Rehabilitation of Combined Sewer Outfalls and Regulator Chambers	$ 13,330,000
Camden City	**S340366-16**	**1055**	**5**	**New Auto Meter Reading Equip for entire City (FKA DW)**	**$ 1,800,000**
Camden County Municipal Utilities Authority	S340640-13	83	5	Delaware #1 Pump Upgrades	$ 12,800,000
Camden County Municipal Utilities Authority	S340640-16	25	5	**CSO** - Wastewater Treatment Plant Improvements	$ 13,300,000
Camden County Municipal Utilities Authority	S340640-17	6	5	**CSO** - Green & Gray Infrastructure	$ 3,500,000
Camden County Municipal Utilities Authority	S340640-18	43	5	Phase I upgrades, improve/sustain optimal wastewater performance **(SANDY)**	$ 84,030,000
Camden County Municipal Utilities Authority	S340640-19	3	5	**CSO** - Camden City Green and Grey Infrastructure Project, Phase 4	$ 11,500,000
Camden County Municipal Utilities Authority	S340640-20	5	5	**CSO** - Camden City Green Infrastructure	$ 6,500,000
Camden County Municipal Utilities Authority	S340640-21	15	5	**CSO** - Camden City Waterfront Stormwater Pumping Station	$ 32,500,000
Camden County Municipal Utilities Authority	S340640-22	15	5	**CSO** - Upgrades to Camden City's Combined Sewer Overflow System	$ 3,500,000
Camden County Municipal Utilities Authority	S340640-23	15	5	**CSO** - Dredging Of Camden City's Combined Sewer Overflows To Reduce Combined Sewage Flooding	$ 5,600,000
Camden County Municipal Utilities Authority	S345040-01	8	5	CSO - Camden City and Gloucester City Long Term CSO Control Plan	$ 1,049,636

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Camden County Municipal Utilities Authority	S340640-24	8	4,5,6 & 8	**CSO** - Upgrade of Camden County Wastewater Treatment Plant to Increase Wet Weather Capacity	$ 6,500,000
Camden County Municipal Utilities Authority	S340640-26	739	4,5,6 & 8	Newton Creek Dredging and Erosion Control	$ 28,500,000
Carneys Point Sewerage Authority	S340502-08	559	3	Lafayette Road Sanitary Sewer	$ 1,057,203
Carneys Point Sewerage Authority	S340502-09	94	3	UV Disinfection & Filter System Improvements	$ 1,497,445
Carteret Borough	S340939-10	481	19	Roosevelt Pump Station and Bergen Street Pump Station Upgrades	$ 5,000,000
Chatham (MCJM) Borough	S340715-07A	304	21	Facility Improvements 2018	$ 7,289,180
Cliffside Park Borough	S340847-04	125	36	**CSO** - Combined Sewer Separation	$ 5,300,000
Clinton Town	S340924-07	968	23	Town of Clinton System-Wide Customer Meter Replacement	$ 800,000
Clinton Town	S340924-08	235	23	WWTP Filter and Residuals Building Improvement Project	$ 642,076
Cranford Township	S340858-04	832	21	Stormwater constr. various locations to improve drainage/prevent flooding	$ 12,000,000
Cumberland County	S340438-01	817	1	Downe Wastewater Infrastructure	$ 16,000,000
Cumberland County	S340438-03	817	1	Downe Township Fortescue Package Plant	$ 17,000,000
Delran Township	S340794-10	359	7	Clay Street Pump Station	$ 2,100,000
Delran Township	S340794-11	176	7	Service Water System Upgrades and Aeration Blower Replacement Project	$ 2,100,000
Deptford Township Municipal Utilities Authority	S340066-03	491	5	Sanitary Sewer Rehabilitation at Country Club Estates	$ 1,000,000
Deptford Township Municipal Utilities Authority	S340066-04	491	5	Sanitary Sewer Rehabilitation at East Woodbury	$ 700,000
Dunellen Borough	S340916-03	838	22	Flood Mitigation Project	$ 2,599,998

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East Orange City	**S340843-02**	**1056**	**34**	**Water System Improvement and Resiliency Project 2017 (FKA DW)**	**$ 6,840,000**
Egg Harbor Township Municipal Utilities Authority	S340753-06	453	2	FAA Pump Station Reconstruction	$ 700,000
Elizabeth City	S340942-13	79	20	**CSO** - Western Interceptor Modifications	$ 13,146,000
Elizabeth City	S340942-17	79	20	**CSO** - South Street Flood Control Project **(SANDY)**	$ 6,500,000
Elizabeth City	S340942-19	41	20	Trumbull Street Flood Control Project	$ 7,700,000
Elizabeth City	S345070-01	79	20	**CSO** - City of Elizabeth Combined Sewer Overflow Long Term Control Plan	$ 4,000,001
Emerson Borough	S340497-01	571	39	Small System Asset Management Plan	$ 100,000
Evesham Municipal Utilities Authority	S340838-06	861	8	Elmwood WWTP Storage Building	$ 2,500,000
Evesham Municipal Utilities Authority	S340838-07	451	8	Sewer System Improvements	$ 1,600,000
Evesham Municipal Utilities Authority	S340838-08	452	8	Route 70 Sewer Rehabilitation	$ 1,000,000
Evesham Municipal Utilities Authority	S340838-09	254	8	Elmwood WWTP Resiliency Improvements	$ 400,000
Evesham Municipal Utilities Authority	S340838-10	254	8	Elmwood Tertiary Filter Rehabilitation	$ 1,500,000
Fieldsboro Borough	S340522-01	636	7	Sewer @ Stormwater Asset Management Plan	$ 150,000
Franklin Township Sewerage Authority	S340839-08	434	17	Hamilton St. Pumping Station	$ 4,200,000
Franklin Township Sewerage Authority	S340839-09	434	17	Marcy Street Sanitary Sewer Rehab	$ 7,500,000
Franklin Township Sewerage Authority	S340839-07	434	23	Foxwood Drive Area - South Crossing I&I Reduction	$ 2,500,000
Glen Ridge Borough	S340861-03	564	28	Sewer Cleaning Truck	$ 445,849
Glen Ridge Borough	S340861-04	564	28	Sanitary Sewer Rehab & Collection System Asset Management Plan	$ 2,300,000
Gloucester City	S345090-01	225	5	**CSO** - Combined Sewer Overflow Asset Management Plan	$ 1,000,000

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Gloucester County Improvement Authority	**S342016-04**	**1072**	**3**	**Cell 15 Construction**	**$ 18,500,001**
Gloucester County Improvement Authority	S342016-03	1071	5	Cell 14 Construction	$ 13,893,240
Gloucester County Utilities Authority	S340902-15	242	3,4,5 & 23	Combined Heat & Power	$ 7,250,000
Gloucester County Utilities Authority	S340902-17	643	3,4,5 & 23	Sludge Drying System	$ 10,000,000
Gloucester Township	S340364-11	855	4	Flood Mitigation **(SANDY)**	$ 950,000
Gloucester Township	S340364-15	855	4	Gloucester Township Stormwater Improvements	$ 1,450,000
Guttenberg Town	S340854-03	92	32	Guttenberg CSO	$ 3,500,000
Hackensack City	**S340923-14**	**162**	**37**	**Sewer Separation to Support Main Street Redevelopment**	**$ 6,500,000**
Hackensack City	S340923-12	162	37	CSO - Combined Sewer Separation, Phase 2	$ 6,000,000
Hackensack City	S340923-13	162	37	The Long Term Control Plan and CSO Sewer Separation Efforts (Phase 3)	$ 14,700,000
Haddon Heights Borough	S340877-02	566	5	Sanitary Sewer System Asset Management Plan	$ 100,000
Hamburg Borough	S340149-03	608	24	Sanitary Sewer System Asset Management Plan	$ 100,000
Hamilton Township Municipal Utilities Authority	S340903-06	499	14	2019 Wastewater Facility Upgrades and Renovations	$ 2,500,000
Highlands Borough	S340901-03	927	13	Stormwater System Improvements (Current Project)	$ 6,250,000
Highlands Borough	S340901-05	589	13	Coastal Community Water Quality Restoration	$ 5,500,000
Hillside (JMEUC) Township	S340686-10	494	20	North Avenue Pumping Station	$ 1,300,000
Hoboken City	S340635-06	118	33	**CSO** - Acquisition, Remediation, & Construction on 6 Acre Park & Outfall **(SANDY)**	$ 70,000,000
Hoboken City	S340635-07	118	33	**CSO** - Resilient Green Infrastructure for CSO Reduction	$ 5,000,000

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Hoboken City	S340635-08	47	33	**CSO** - Southwest Resiliency Park - Acquisition, Rehabilitation	$ 6,600,000
Hoboken City	S340635-09	118	33	ROW Green Infrastructure adjacent to water Mains	$ 500,000
Hopatcong Borough	**S340488-08**	**55**	**24**	**Hudson Avenue Sanitary Sewer Installation**	**$ 600,000**
Hopatcong Borough	S340488-07	361	24	Sanitary Sewer System Asset Management Plan	$ 80,000
Howell Township	S344040-02	276	30	**Barnegat Bay** - Freewood Acres & Route 9 Sanitary Sewer Extension	$ 14,680,000
Jersey City	S340928-30	131	31,33	**CSO** - Street Cleaning Equipment	$ 2,711,000
Jersey City Municipal Utilities Authority	**S340928-36**	**57**	**31,33**	**Phase 5-B Sewer**	**$ 10,800,000**
Jersey City Municipal Utilities Authority	S340928-15	57	31,32 & 33	**CSO** - Phase 3 & 4 Sewer Improvements **(SANDY)**	$ 41,000,000
Jersey City Municipal Utilities Authority	S340928-21	57	31,32 & 33	**CSO** - Sewer Pipe Replacement / Phase V CSO Study	$ 12,000,000
Jersey City Municipal Utilities Authority	S340928-18	57	31,33	**CSO** - Claremont Carteret outfall replacement **(SANDY)**	$ 5,600,000
Jersey City Municipal Utilities Authority	S340928-20	57	31,33	**CSO** - Outfall Chambers **(SANDY)**	$ 7,200,000
Jersey City Municipal Utilities Authority	S340928-24	57	31,33	**CSO** - Phase 1/2 Sewer Rehabilitation	$ 22,200,000
Jersey City Municipal Utilities Authority	S340928-27	39	31,33	**CSO** - Green Infrastructure-Martin Luther King Drive Tree Trenches	$ 500,000
Jersey City Municipal Utilities Authority	S340928-28	57	31,33	**CSO** - Van Winkle Ave. San. Sewer Rehab.	$ 2,700,000
Jersey City Municipal Utilities Authority	S340928-29	57	31,33	**CSO** - Carteret Ave. Sewer Replacement	$ 15,360,000
Jersey City Municipal Utilities Authority	S340928-31	57	31,33	**CSO** - 54 inch JCMUA/PVSC FORCEMAIN REPAIR	$ 11,059,600
Jersey City Municipal Utilities Authority	**S340928-32**	**1048**	**31,33**	**Remote Meter Reading (AMI) (FKA DW)**	**$ 9,300,000**
Jersey City Municipal Utilities Authority	S340928-33	57	31,33	Pine Street Syphon Replacement	$ 9,000,000
Jersey City Municipal Utilities Authority	S340928-34	57	31,33	Sanitary Sewer Main Rehabilitation/Lining	$ 1,181,180

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Jersey City Municipal Utilities Authority	S340928-37	39	31,33	Sewer Improvements 2a	$ 50,202,482
Jersey City Municipal Utilities Authority	S340928-38	57	31,33	Sewer Improvements Phase 5a	$ 35,273,044
Jersey City Municipal Utilities Authority	S340928-39	57	31,33	PHASE 6B SEWER MAIN REHABILITATION PROJECT	$ 33,000,000
Jersey City Municipal Utilities Authority	S340928-40	56	31,33	Eastside and Westside Pump Station Mechanical Screens	$ 3,600,000
Jersey City Municipal Utilities Authority	S340928-41	57	31,33	Van Winkle Combined Sewer Outfall	$ 4,500,000
JMEUC - East Orange City	S340686-09a	265	34	Capital Improvements Projects 2019	$ 620,504
JMEUC - Elizabeth City	S340686-09b	265	20	Capital Improvements Projects 2019	$ 6,505,876
JMEUC - Hillside Township	S340686-09c	265	20	Capital Improvements Projects 2019	$ 908,430
JMEUC - Irvington Township	S340686-09d	265	28	Capital Improvements Projects 2019	$ 2,252,347
JMEUC - Newark City	S340686-09e	265	28,29	Capital Improvements Projects 2019	$ 1,363,042
JMEUC - South Orange Village Township	S340686-09f	265	27	Capital Improvements Projects 2019	$ 650,806
JMEUC - Summit City	S340686-09g	265	21	Capital Improvements Projects 2019	$ 1,186,322
JMEUC - Union Township	S340686-09h	265	20	Capital Improvements Projects 2019	$ 2,449,335
JMEUC - West Orange Township	S340686-09i	265	27	Capital Improvements Projects 2019	$ 1,585,429
Kearny Municipal Utilities Authority	S340259-14	326	32	PS Grit Collector Replacement /Central & Pennsylvania Ave Sewer Rehab	$ 1,582,000
Kearny Town	S340259-11	87	32	**CSO** - Dukes St Stormwater Pump Station	$ 17,000,000
Kearny Town	S340259-12	1046	32	Redev of recreational complex as a modern artificial turf complex	$ 21,500,000
Lacey Township	S344140-02	303	9	Yacht Basin Plaza North & South Bulkhead and Stormwater Management	$ 1,559,000

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Lakewood Township Municipal Utilities Authority	S340465-02	763	30	Gravity Sewer Line Installation	$ 4,320,000
Lakewood Township Municipal Utilities Authority	**S340465-03**	**1091**	**30**	**Administration Building Addition (FKA DW)**	**$ 1,750,000**
Lambertville Municipal Utilities Authority	S340882-09	226	15,16	WWTP rehab work	$ 1,800,000
Lambertville Municipal Utilities Authority	S340882-10	602	15,16	Collection system rehabilitation	$ 700,000
Linden Roselle Sewer Authority	S340299-08	224	22	2019 Capital Improvements Projects	$ 17,000,000
Linden Roselle Sewer Authority	S340299-09	223	22	Phase V Building Improvements	$ 2,100,000
Little Egg Harbor Municipal Utilities Authority	S340579-03	357	9	Little Egg Harbor Sewer Main Replacement	$ 7,700,000
Little Egg Harbor Township	S340579-04	822	9	Mystic Island Drainage Improvements - Phase 2	$ 1,714,000
Little Egg Harbor Township	S344060-02	287	9	Barnegat Bay - Twin Lakes Blvd. Drainage Improvements	$ 4,500,000
Logan Township Municipal Utilities Authority	S340123-02	208	3	Effluent Force Main Replacement Project	$ 9,948,000
Long Beach Township	S340023-07	610	9	Sewer Main Replacement	$ 4,600,000
Long Beach Township	S340023-08	610	9	Asset Management	$ 120,000
Long Branch Sewerage Authority	S340336-08	98	11,13	2018 Capital Improvements Projects - Wastewater Treatment Plant	$ 1,740,700
Long Branch Sewerage Authority	S340336-09	338	11,13	2018 Capital Improvements Projects - Collection System	$ 5,600,000
Long Hill Township	S340404-10	257	21	Capacity Assurance and System Rehabilitation Project	$ 7,500,000
Madison (MCJM) Borough	S340715-07B	304	27	Facility Improvements 2018	$ 7,289,180
Manasquan Borough	S340450-02	666	30	Stockton Lake Bulkhead and Stormwater Management	$ 4,505,800
Manasquan River Regional Sewerage Authority	S340911-03	352	11,12 & 30	Equipment Replacement	$ 660,000

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Manchester Township	**S340650-08**	**1107**	**10**	**Install automated meters (FKA DW)**	**$ 3,000,000**
Mantua Township MUA	S340514-02	797	5	Barnsboro Sewer Extension	$ 1,700,000
Marlboro Township	S340268-02	775	13	Harbor Rd. Wastewater Pump Station	$ 964,250
Medford Lakes Borough	S340319-03	599	8	Collection System Lining Improvements	$ 11,000,000
Mendham Borough	**S340159-04**	**19**	**25**	**WWTP Improvements**	**$ 2,100,000**
Mendham Borough	**S340159-03**	**601**	**25**	**Collection System Improvements**	**$ 3,200,000**
Middlesex Borough	**S340698-03**	**526**	**22**	**Middlesex Borough rehabilitation of Sanitary Sewers Phase II (Greenbrook Rd. and Louis Ave. Pump Stations)**	**$ 1,000,000**
Middlesex Borough	S340698-02	526	22	Sanitary Sewer Main Improvements	$ 2,568,750
Middlesex County Utilities Authority	S340699-12	380	3,14,17,18,19,22 & 23	Restoration and Flood Mitigation **(SAIL)**	$ 88,000,000
Middlesex County Utilities Authority	S340699-14	380	3,14,17,18,19,22 & 23	Main Truck Sewer Rehab Phase II	$ 11,000,000
Middlesex County Utilities Authority	S340699-16	380	3,14,17,18,19,22 & 23	Main Trunk Sewer Rehabilitation Phase III	$ 18,100,000
Middlesex County Utilities Authority	S340699-17	42	3,14,17,18,19,22 & 23	ctp rehabiltation phase 4	$ 14,000,000
Milltown Borough	S340102-01	1089	17	Milltown Ford Ave Redevelopment	$ 21,000,000
Milltown Borough	S340102-04	1089	17	Ford Avenue Redevelopment	$ 5,500,000
Monmouth County Bayshore Outfall Authority	S340325-04	389	12,13	Force Main Assessment and Rehabilitation	$ 3,000,000
Montclair Township	S340837-03	459	34	Sanitary Sewer Collection System Rehabilitation-SFY 2016	$ 1,700,000
Montclair Township	S340837-04	370	34	Sanitary Sewers refurbishment 2017	$ 1,700,000
Montclair Township	S340837-05	370	34	Sanitary Sewer Manhole Rehabilitation	$ 800,000
Mount Arlington Borough	S340451-05	588	25	Wastewater System Asset Management Plan	$ 212,785

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Mount Laurel Township Municipal Utilities Authority	S340943-06	123	7	Sewer System Improvement Project (Bundle 1)	$ 7,200,000
Mount Laurel Township Municipal Utilities Authority	S340943-07	455	7	Sewer System Improvement Project (Bundle 2)	$ 3,200,000
Musconetcong Sewer Authority	S340384-09	1	24	Wastewater Treatment Plant Improvements	$ 6,000,000
New Jersey Water Supply Authority	S340421-01	839	23	D&R Canal Dredging	$ 56,800,000
New Jersey Water Supply Authority	S340421-02	317	23	Round Valley Reservoir Structures Refurbishment and Resource Preservation	$ 75,000,000
Newark City	S340815-24	28	28,29	**CSO** - Structural evaluation & rehab of 350 miles of small diameter sewers	$ 21,000,000
Newark City	S340815-25	20	28,29	**CSO** - Green Infrastructure for the Sewer System	$ 475,000
Newark City	S340815-26	28	28,29	**CSO** - Improvements to the Peddie Combined Sewer Overflow	$ 3,300,000
Newark City	S340815-27	20	28,29	**CSO** - Greenstreet Projects for the City of Newark	$ 3,800,000
Newark City	S340815-28	20	28,29	South Street and Adams Street Drainage Improvements	$ 6,000,000
North Bergen Municipal Utilities Authority	S340652-14	45	32	CSO - Woodcliff Additional Improvements	$ 23,000,000
North Brunswick Township	**S340888-02**	**1101**	**17**	**Water Meter Replacement (FKA DW)**	**$ 8,000,000**
North Haledon Borough	S340229-02	557	35	Small System Asset Management Plan	$ 100,000
North Hudson Sewer Authority	S340952-23	134	33	Phase II Sanitary Sewer System Upgrades	$ 3,100,000
North Hudson Sewer Authority	S340952-30	144	33	**CSO** - 2017 Adams Street Wastewater Treatment Plant Improvements	$ 23,200,000
North Hudson Sewer Authority	S340952-22	134	32,33	**CSO** - W1234 Solids/Floatables	$ 18,500,000
North Hudson Sewer Authority	S340952-31	144	32,33	Green Infrastructure	$ 547,350

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North Hudson Sewer Authority	S340952-33	142	32,33	H6/H7 Long Term Control Plan Project	$ 22,500,000
North Hudson Sewer Authority	S340952-34	133	32,33	Collection System Improvements	$ 1,200,000
North Hudson Sewer Authority	S340952-35	132	32,33	Adams Street WWTP Improvements	$ 250,000
North Hudson Sewer Authority	S340952-36	958	32,33	Equipment Purchases	$ 900,000
North Hudson Sewer Authority	S345190-01	144	32,33	**CSO** - Combined Sewer Long Term Control Plan	$ 6,000,000
North Wildwood City	S340663-07	259	1	Street and Utility Reconstruction - Sewer **(SANDY)**	$ 32,872,570
North Wildwood City	S340663-08	662	1	Street and Utility Reconstruction - Stormwater **(SANDY)**	Same Project as - 07
Northfield City	S340508-03	552	2	Preparation of an Asset Management Plan	$ 180,000
Northfield City	S340508-04	282	2	Sanitary Sewer Pump Station Upgrades - Zion and Davis Avenues	$ 720,000
Northwest Bergen County Utilities Authority	S340700-16	200	38,39 & 40	Wastewater Treatment Plant Improvements	$ 4,900,000
Northwest Bergen County Utilities Authority	S340700-19	422	38,39 & 40	Interceptor System Rehabilitation	$ 8,132,450
Northwest Bergen County Utilities Authority	S340700-14	422	39,40	Midland Park Force Main Installation	$ 3,694,000
Northwest Bergen County Utilities Authority	S340700-15	422	39,40	Wastewater Pump Station Improvements	$ 7,000,000
Northwest Bergen County Utilities Authority	S340700-18	422	39,40	Interceptor System Rehabilitation	$ 2,000,000
Ocean County	S344080-09	299	10	**Barnegat Bay** - Manufactured Treatment Devices	$ 1,300,000
Ocean County	S344080-10	295	10	**Barnegat Bay** - Camera Pipe Line Inspection Truck System - Equipment	$ 250,000

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Ocean County	S344080-11	295	10	**Barnegat Bay** -Mechanical Street Sweeper - Equipment	$ 350,000
Ocean County Utilities Authority	S340372-60	413	9	SD1821 SI-4 Interceptor Rehabilitation MH 12-2 to MH 10-6	$ 870,000
Ocean County Utilities Authority	S340372-61	104	9	Northern Water Pollution Control Facility Influent Screw Pump Improvements	$ 5,300,000
Ocean County Utilities Authority	S340372-62	104	9	Northern Water Pollution Control Facility Clarifier Rehabilitation FC-1 and FC-8	$ 4,300,000
Ocean County Utilities Authority	S340372-58	476	9, 10	AW1610 South Island Beach Interceptor (CI-1A) and South Island Interceptor (SI-11) Rehabilitation	$ 4,431,000
Ocean County Utilities Authority	S340372-59	107	9, 10	AW1611 Area Wide Clarifier Rehabilitation	$ 7,620,000
Ocean Gate Borough	S344180-01	312	9	**Barnegat Bay** - Storm Sewer MTD	$ 2,600,000
Ocean Township Sewer Authority	S340750-12	467	11	Interlaken Pump Station reconstruction **(SANDY)**	$ 4,500,000
Ocean Township Sewer Authority	S340750-13	464	11	2016 Collection System Improvements	$ 550,000
Ocean Township Sewer Authority	S340750-14	464	11	Asbury Avenue and Longview Pump Stations Rehabilitation	$ 2,500,000
Old Bridge Municipal Utilities Authority	S340945-14	431	12	2015 Sewage Pump Station Upgrades	$ 3,290,000
Passaic Valley Sewerage Commission	S340689-23	182	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	**CSO** - Standby Power Generating Facility **(SAIL)**	$ 150,000,000
Passaic Valley Sewerage Commission	S340689-25	189	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	Administration Building Rehab **(SAIL)**	$ 9,100,000

Key	
Red Text	SAIL Program (Disaster Relief Projects)
Blue Text	Project formerly appeared on DW list
Green Text	Cost and/or New Project Update
Bold	Updated information

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Passaic Valley Sewerage Commission	S340689-30	189	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	**CSO** - Sump Pump Relocation **(SAIL)**	$ 3,700,000
Passaic Valley Sewerage Commission	S340689-31	189	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	Sodium Hypochlorite Storage Replacement	$ 4,000,000
Passaic Valley Sewerage Commission	S340689-32	189	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	**CSO** - Newark Bay Outfall **(SANDY)**	$ 10,000,000
Passaic Valley Sewerage Commission	S340689-33	189	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	**CSO** - Weatherproof tunnel locations incl HVAC for ventilation **(SAIL)**	$ 90,000,000
Passaic Valley Sewerage Commission	S340689-37	178	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	**CSO** - Substation "M" Replacement **(SAIL)**	$ 107,091,640
Passaic Valley Sewerage Commission	S340689-38	182	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	**CSO** - Final Clarifier Concrete Rehabilitation Project **(SANDY)**	$ 21,000,000

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Passaic Valley Sewerage Commission	S340689-39	182	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	**CSO** - Heat Treatment Plant Supernatant Return Pipe Lining **(SANDY)**	$ 4,816,000
Passaic Valley Sewerage Commission	S340689-40	182	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	**CSO** - Plant wide Replacement & Relocation of Electrical Switchgear and MCCs **(SAIL)**	$ 123,300,000
Passaic Valley Sewerage Commission	S340689-44	181	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	**CSO** - Wallington Pump Station Rehabilitation Project	$ 1,500,000
Passaic Valley Sewerage Commission	S340689-45	638	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	Sludge Storage Improvements	$ 10,210,102
Passaic Valley Sewerage Commission	S340689-46	638	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	Decant Facility Improvements	$ 96,000,000
Passaic Valley Sewerage Commission	S340689-47	178	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	**CSO** - Headworks Reconstruction Project	$ 94,965,434

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Passaic Valley Sewerage Commission	S340689-48	178	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	Crane Procurement	$ 900,410
Passaic Valley Sewerage Commission	S340689-49	188	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	PVSC Perimeter Flood Wall, Storm Water Collection Sys. & Pumping Stations (Merged (S340689-41,42,43)	$ 296,136,901
Passaic Valley Sewerage Commission	S345200-01	182	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	**CSO** - Combined Sewer Overflow Long Term Control Planning **(SANDY)**	$ 8,000,000
Passaic Valley Sewerage Commission	S345200-02	182	20,21,22,26, 27, 28,29,31,32, 33, 34,35,36,37, 38, 39 & 40	**CSO** - Asset Management Plan **(SANDY)**	$ 2,000,000
Passaic Valley Sewerage Commission	S340689-50	230	20,21,22,26, 27,28,29,31, 32,33,34,35, 36,37,38,39 & 40	Improvements to the Vehicle Maintenance Building	$ 7,000,000
Paterson City	S340850-05	50	35	**CSO** - 023 Elimination- Sewer Separation at Second Avenue	$ 1,935,000
Paterson City	S340850-06	50	35	**CSO** - 21st Avenue Sewer Reconstruction	$ 2,161,100
Paterson City	S340850-07	50	35	**CSO** - West Railway Sewer Reconstruction	$ 2,137,200

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Paterson City	S345210-01	96	35	**CSO** - Investigation of Tributary Sewers from Adjacent Municipalities **(SANDY)**	$ 200,000
Paulsboro Borough	S340164-01	920	3	Stormwater Management	$ 2,750,000
Perth Amboy City	**S340435-19**	**155**	**19**	**The Purchasing of a CCTV Video Pipeline Inspection System Project**	**$ 400,000**
Perth Amboy City	S340435-11	155	19	**CSO** - Second St. Pump Station Resiliency	$ 6,459,351
Perth Amboy City	S340435-14	155	19	**CSO** - Reparation (Pulaski Ave / Parker St. / State Street)	$ 2,608,000
Perth Amboy City	S340435-17	97	19	**CSO** -Second Street Corridor Project	$ 4,418,400
Perth Amboy City	S345220-01	155	19	**CSO** - Permit Development of Long Term Control Plan	$ 1,000,000
Plainfield Municipal Utilities Authority	S340240-06	857	4,18 & 22	Transfer Station Improvement	$ 11,675,000
Plumsted Township	S340607-03	672	12	Advanced WW treatment & collection system	**$ 34,000,000**
Point Pleasant Beach Borough	**S340479-04**	**1112**	**10**	**Water Meter Replacement Project (FKA DW)**	**$ 1,930,000**
Point Pleasant Beach Borough	S344190-02	311	10	**Barnegat Bay** - Little Silver Lake Drainage Improv. Project	$ 3,150,000
Pollution Control Financing Authority of Warren County	**S342026-01**	**1078**	**24**	**Pollution Control Financing Authority Cell 7 Project**	**$ 24,000,000**
Princeton	S340656-11	512	16	Improvements to Linden Lane and Spruce Street	$ 3,925,678
Princeton	S340656-12	512	16	Improvements to Bank Street	$ 1,871,602
Princeton	S340656-08	341	16	System-wide Sanitary Sewer Rehabilitation	$ 4,300,000
Rahway Valley Sewerage Authority	S340547-14	11	21,22	Sludge Digester Upgrades	$ 9,500,000
Rahway Valley Sewerage Authority	S340547-15	14	21,22	Trucked-in Waste Receiving Station	$ 2,588,518
Raritan Township Municipal Utilities Authority	S340485-12	234	16	Main Treatment Plant Improvements 2016	$ 4,900,000

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Red Bank Borough	S340528-01	532	11	White Street Water & Sewer Improvements	$ 1,500,000
Ridgefield Park Village	S340688-05	835	36	Village of Ridgefield Park Skymark Project	$ 30,211,486
Ridgefield Park Village	S345230-01	91	36	**CSO** - Planning for Long Term Control Plan	$ 800,002
Riverdale Borough	S340729-02	947	40	Equipment Purchase	$ 289,789
Riverside Sewerage Authority	S340490-01	151	7	Primary Digester Mixing System	$ 840,000
Rockaway Valley Regional Sewer Authority	**S340821-08**	**297**	**25,26**	**Upgrades for compliance with effluent limitation for phosphorus w/ addition of chem storage & feed syst, implement add'tl SCADA improvements to enhance monitoring & control**	**$ 15,500,000**
Rockaway Valley Regional Sewer Authority	S340821-07	297	40	Rehab four existing final clarifiers	$ 8,200,000
Roselle Borough	S340332-02	498	20	Cleaning & lining of sanitary sewer	$ 3,800,000
Roxbury Township	S340381-07	233	25	Treatment Plant & Pump Station Improvements	$ 7,500,000
Runnemede Borough	S340363-06	556	5	Sanitary Sewer slip-lining at various locations	$ 1,800,000
Rutgers University	S340500-01	279	11	Busch Cogeneration Plant Upgrade	$ 37,000,000
Salem City	**S340235-03**	**1086**	**3**	**Salem City Water Meter (FKA DW)**	**$ 1,900,000**
Salem County Improvement Authority	S342022-02	1081	3	Cell 10 Construction	$ 8,500,000
Scotch Plains Township	S340512-01	480	22	Sewer Pump Station Upgrades	$ 2,700,000
Seaside Park Borough	**S340083-04**	**630**	**9**	**Phase III A Sanitary Sewer Replacement**	**$ 4,000,000**
Ship Bottom Borough	S340311-03	632	9	Sewer Main Replacement Project	$ 4,700,000
Ship Bottom Borough	S340311-04	1114	9	Residential Water Meter Project	$ 2,750,000
Somerset Raritan Valley Sewer Authority	S340801-07	169	16,21,22 & 23	Stormwater control facility to eliminate sewage discharge	$ 34,000,000

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Somerset Raritan Valley Sewer Authority	S340801-09	168	16,21,22 & 23	WWTP Rehabilitation Improvements (SFY2019)	$ 6,500,000
South Monmouth Regional Sewer Authority	S340377-04A	447	30	Pump Station Improvements **(SAIL)**	$ 6,981,600
Spotswood Borough	S340510-01	911	14	Roadway, Stormwater Management and Sanitary Sewer System Improvements	$ 5,427,000
Stafford Township	S344100-03	243	9	**Barnegat Bay** - Neptune Basin Expansion	$ 5,600,000
Stony Brook Regional Sewer Authority	S340400-10	250	15,16	Dewatered Sludge Handling Pump Replacement Project	$ 5,700,000
Stony Brook Regional Sewer Authority	S340400-11	249	15,16	River Road Wastewater Treatment Plant UV Disinfection and Effluent Filtration Project	$ 21,000,000
Sussex County Municipal Utilities Authority	S342008-04	985	24	SCMUA Leachate Pump Station/Force Main Construction	$ 7,403,160
Toms River MUA	S340145-05	411	9	Sanitary Sewer Rehabilitation	$ 3,100,000
Toms River MUA	S340145-06	411	9,10 & 12	Equipment Purchase	$ 754,200
Tuckerton Borough	**S340034-04**	**830**	**9**	**Dredging of Tuckerton Waterways (Clean Water)**	**$ 7,750,000**
Two Rivers Water Reclamation Authority	S340117-08	115	13	Plant RAS Improvements	$ 2,400,000
Two Rivers Water Reclamation Authority	S340117-09	417	13	Interceptor and Pump Station Improvements	$ 4,000,000
Two Rivers Water Reclamation Authority	**S340117-10**	**418**	**13**	**New Main Pump Station**	**$ 75,000,000**
University Hospital	S340500-03	1105	28	University Hospital Co Generation Plant	$ 7,800,000
Vernon Township	S340745-03	478	24	Vernon Township Asset Management Assessment and Plan	$ 110,000
Warren Township Sewer Authority	S340964-05	517	21	Stage I/II, IV Collection System Rehabilitation	$ 10,800,000
West Deptford Township	S340947-05	491	3	Replacement of Pump Stations 4 and 6	$ 1,415,000
West Deptford Township	**S340947-06**	**1108**	3	**Water Meter Replacement Project (FKA DW)**	**$ 3,800,000**

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Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
West Wildwood Borough	S340626-05	831	1	Storm Sewer Improvements to Avenues P, Q, R, S & Mueller Avenue	$ 1,890,000
Western Monmouth Utilities Authority	S340128-05	429	11,12 & 13	Route 79 Pump Station and Force Main Replacement	$ 7,850,000
Western Monmouth Utilities Authority	S340128-06	300	11,12 &13	Pine Brook Sewage Treatment Plant Improvements	$ 13,100,000
Wildwood City	S340664-06	310	1	2019 Capital Improvements	$ 15,713,010
Willingboro Municipal Utilities Authority	**S340132-09**	**285**	**7,8**	**Water Pollution Control Plant-Installation of Screening and Grit Removal Equipment**	**$ 8,500,000**
Willingboro Municipal Utilities Authority	S340132-08	354	7	Collection System Resiliency **(SANDY)**	$ 1,900,000
Willingboro Municipal Utilities Authority	S340132-11	1088	7	Water Meter Infrastructure Project	$ 10,000,000
Winslow Township	S340895-10	457	4	Various Sanitary Sewer System Rehab	$ 1,700,000
Woodbridge Township	S340433-11	402	19	Control of Odors and Corrosion in the Port Reading Interceptor	$ 13,083,362
Woolwich Township	S340432-01	737	3	New Collection System & Treatment	$ 17,400,000
Sandy and Base SFY2021 CW Projects: #	**311**			**Subtotal**	**$ 3,619,218,691**
Total Clean Water Projects: #	**315**			**Total Clean Water Projects:**	**$ 3,623,593,691**

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Pinelands Clean Water Projects

Project Sponsor	Project Number	Rank	Legislative District	Project Description	Estimated Total Project Cost
Galloway	Pinelands	PL-4	9	Pinehurst Sewer Extension	$ 3,493,440
Manchester Twp./ Jackson MUA	Pinelands	PL-2	10,12	Water & Sewer	$ 7,192,035
Pemberton	Pinelands	PL-1	8	BCI Water System Improvement	$ 2,929,000
Winslow	Pinelands	PL-5	4	Water & Sewer	$ 1,728,940
Total Pinelands Projects:	**4**				**$ 15,343,415**
Total Clean Water and Pinelands Projects: #	**319**			**Total Clean Water and Pinelands Projects:**	**$ 3,638,937,106**

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APPENDIX A - Clean Water

SFY2021 Interim Clean Water/Superstorm Sandy Financing Program and Disaster Relief Emergency Financing (Statewide Assistance Infrastructure Loan (SAIL)) Program Project Priority Lists

Rank Order

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
			SUPPLEMENTAL LOANS	
N/A	North Hudson Sewer Authority	S340952-19-1	Combined Sewer Improvements	$ 700,000
N/A	Paterson City	S340850-03-1	Change Order 2 CSO 029 Solids and Floatables Control	$ 2,550,000
N/A	Rockaway Valley RSA	S340821-06-1	Old Jersey Trunk Sewer Replacement	$ 775,000
N/A	Warren Township Sewer Authority	S340964-02-1	Fox Hill West & Heather Lane Pump Station	$ 350,000
	Supplemental Loans: #	**4**	**Subtotal:**	**$ 4,375,000**

			BASE & SUPERSTORM SANDY LOANS	
1	Musconetcong Sewer Authority	S340384-09	Wastewater Treatment Plant Improvements	$ 6,000,000
3	Camden County Municipal Utilities Authority	S340640-19	**CSO** - Camden City Green and Grey Infrastructure Project, Phase 4	$ 11,500,000
5	Camden County Municipal Utilities Authority	S340640-20	**CSO** - Camden City Green Infrastructure	$ 6,500,000
6	Camden County Municipal Utilities Authority	S340640-17	**CSO** - Green & Gray Infrastructure	$ 3,500,000
8	Camden County Municipal Utilities Authority	S345040-01	CSO - Camden City and Gloucester City Long Term CSO Control Plan	$ 1,049,636
8	Camden County Municipal Utilities Authority	S340640-24	**CSO** - Upgrade of Camden County Wastewater Treatment Plant to Increase Wet Weather Capacity	$ 6,500,000
11	Rahway Valley Sewerage Authority	S340547-14	Sludge Digester Upgrades	$ 9,500,000
14	Rahway Valley Sewerage Authority	S340547-15	Trucked-in Waste Receiving Station	$ 2,588,518

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15	Camden County Municipal Utilities Authority	S340640-21	**CSO** - Camden City Waterfront Stormwater Pumping Station	$ 32,500,000
15	Camden County Municipal Utilities Authority	S340640-22	**CSO** - Upgrades to Camden City's Combined Sewer Overflow System	$ 3,500,000
15	Camden County Municipal Utilities Authority	S340640-23	**CSO** - Dredging Of Camden City's Combined Sewer Overflows To Reduce Combined Sewage Flooding	$ 5,600,000
19	**Mendham Borough**	**S340159-04**	**WWTP Improvements**	**$ 2,100,000**
20	Newark City	S340815-25	**CSO** - Green Infrastructure for the Sewer System	$ 475,000
20	Newark City	S340815-27	**CSO** - Greenstreet Projects for the City of Newark	$ 3,800,000
20	Newark City	S340815-28	South Street and Adams Street Drainage Improvements	$ 6,000,000
25	Camden County Municipal Utilities Authority	S340640-16	**CSO** - Wastewater Treatment Plant Improvements	$ 13,300,000
28	Newark City	S340815-24	**CSO** - Structural evaluation & rehab of 350 miles of small diameter sewers	$ 21,000,000
28	Newark City	S340815-26	**CSO** - Improvements to the Peddie Combined Sewer Overflow	$ 3,300,000
34	Camden City	S340366-07	**CSO** - 2014 Sanitary/Combined Sewer Rehab / Replacement Project	$ 59,000,000
34	Camden City	S340366-12	**CSO** - Cooper Street Pump Station	$ 2,300,000
34	Camden City	S340366-13	**CSO** - Rehabilitation of Arch Street Pump Station	$ 12,000,000
34	Camden City	S340366-14	**CSO** - Rehabilitation of Ten (10) Combined Sewer Outfalls.	$ 9,370,000
34	Camden City	S340366-15	**CSO** - Rehabilitation of Combined Sewer Outfalls and Regulator Chambers	$ 13,330,000
39	Jersey City Municipal Utilities Authority	S340928-27	**CSO** - Green Infrastructure- Martin Luther King Drive Tree Trenches	$ 500,000
39	Jersey City Municipal Utilities Authority	S340928-37	Sewer Improvements 2a	$ 50,202,482
41	Elizabeth City	S340942-19	Trumbull Street Flood Control Project	$ 7,700,000
42	Middlesex County Utilities Authority	S340699-17	ctp rehabilitation phase 4	$ 14,000,000
43	Camden County Municipal Utilities Authority	S340640-18	Phase I upgrades, improve/sustain optimal wastewater performance **(SANDY)**	$ 84,030,000

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Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
45	North Bergen Municipal Utilities Authority	S340652-14	CSO - Woodcliff Additional Improvements	$ 23,000,000
47	Hoboken City	S340635-08	**CSO** - Southwest Resiliency Park - Acquisition, Rehabilitation	$ 6,600,000
50	Paterson City	S340850-05	**CSO** - 023 Elimination- Sewer Separation at Second Avenue	$ 1,935,000
50	Paterson City	S340850-06	**CSO** - 21st Avenue Sewer Reconstruction	$ 2,161,100
50	Paterson City	S340850-07	**CSO** - West Railway Sewer Reconstruction	$ 2,137,200
55	**Hopatcong Borough**	**S340488-08**	**Hudson Avenue Sanitary Sewer Installation**	**$ 600,000**
56	Jersey City Municipal Utilities Authority	S340928-40	Eastside and Westside Pump Station Mechanical Screens	$ 3,600,000
57	**Jersey City Municipal Utilities Authority**	**S340928-36**	**Phase 5-B Sewer**	**$ 10,800,000**
57	Jersey City Municipal Utilities Authority	S340928-15	**CSO** - Phase 3 & 4 Sewer Improvements **(SANDY)**	$ 41,000,000
57	Jersey City Municipal Utilities Authority	S340928-21	**CSO** - Sewer Pipe Replacement / Phase V CSO Study	$ 12,000,000
57	Jersey City Municipal Utilities Authority	S340928-18	**CSO** - Claremont Carteret outfall replacement **(SANDY)**	$ 5,600,000
57	Jersey City Municipal Utilities Authority	S340928-20	**CSO** - Outfall Chambers **(SANDY)**	$ 7,200,000
57	Jersey City Municipal Utilities Authority	S340928-24	**CSO** - Phase 1/2 Sewer Rehabilitation	$ 22,200,000
57	Jersey City Municipal Utilities Authority	S340928-28	**CSO** - Van Winkle Ave. San. Sewer Rehab.	$ 2,700,000
57	Jersey City Municipal Utilities Authority	S340928-29	**CSO** - Carteret Ave. Sewer Replacement	$ 15,360,000
57	Jersey City Municipal Utilities Authority	S340928-31	**CSO** - 54 inch JCMUA/PVSC FORCEMAIN REPAIR	$ 11,059,600
57	Jersey City Municipal Utilities Authority	S340928-33	Pine Street Syphon Replacement	$ 9,000,000
57	Jersey City Municipal Utilities Authority	S340928-34	Sanitary Sewer Main Rehabilitation/Lining	$ 1,181,180
57	Jersey City Municipal Utilities Authority	S340928-38	Sewer Improvements Phase 5a	$ 35,273,044
57	Jersey City Municipal Utilities Authority	S340928-39	PHASE 6B SEWER MAIN REHABILITATION PROJECT	$ 33,000,000
57	Jersey City Municipal Utilities Authority	S340928-41	Van Winkle Combined Sewer Outfall	$ 4,500,000

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79	Elizabeth City	S340942-13	**CSO** - Western Interceptor Modifications	$ 13,146,000
79	Elizabeth City	S340942-17	**CSO** - South Street Flood Control Project **(SANDY)**	$ 6,500,000
79	Elizabeth City	S345070-01	**CSO** - City of Elizabeth Combined Sewer Overflow Long Term Control Plan	$ 4,000,001
83	Camden County Municipal Utilities Authority	S340640-13	Delaware #1 Pump Upgrades	$ 12,800,000
84	Bayonne City	S340399-31	**CSO** - Stormwater Management Facilities and Park Improvements	$ 1,618,539
87	Kearny Town	S340259-11	**CSO** - Dukes St Stormwater Pump Station	$ 17,000,000
91	Ridgefield Park Village	S345230-01	**CSO** - Planning for Long Term Control Plan	$ 800,002
92	Guttenberg Town	S340854-03	Guttenberg CSO	$ 3,500,000
94	Carneys Point Sewerage Authority	S340502-09	UV Disinfection & Filter System Improvements	$ 1,497,445
96	Paterson City	S345210-01	**CSO** - Investigation of Tributary Sewers from Adjacent Municipalities **(SANDY)**	$ 200,000
97	Perth Amboy City	S340435-17	**CSO** -Second Street Corridor Project	$ 4,418,400
98	Long Branch Sewerage Authority	S340336-08	2018 Capital Improvements Projects - Wastewater Treatment Plant	$ 1,740,700
104	Ocean County Utilities Authority	S340372-61	Northern Water Pollution Control Facility Influent Screw Pump Improvements	$ 5,300,000
104	Ocean County Utilities Authority	S340372-62	Northern Water Pollution Control Facility Clarifier Rehabilitation FC-1 and FC-8	$ 4,300,000
107	Ocean County Utilities Authority	S340372-59	AW1611 Area Wide Clarifier Rehabilitation	$ 7,620,000
115	Two Rivers Water Reclamation Authority	S340117-08	Plant RAS Improvements	$ 2,400,000
118	Hoboken City	S340635-06	**CSO** - Acquisition, Remediation, & Construction on 6 Acre Park & Outfall **(SANDY)**	$ 70,000,000
118	Hoboken City	S340635-07	**CSO** - Resilient Green Infrastructure for CSO Reduction	$ 5,000,000
118	Hoboken City	S340635-09	ROW Green Infrastructure adjacent to water Mains	$ 500,000
123	Mount Laurel Township Municipal Utilities Authority	S340943-06	Sewer System Improvement Project (Bundle 1)	$ 7,200,000
125	Cliffside Park Borough	S340847-04	**CSO** - Combined Sewer Separation	$ 5,300,000
131	Jersey City	S340928-30	**CSO** - Street Cleaning Equipment	$ 2,711,000
132	North Hudson Sewer Authority	S340952-35	Adams Street WWTP Improvements	$ 250,000

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133	North Hudson Sewer Authority	S340952-34	Collection System Improvements	$ 1,200,000
134	North Hudson Sewer Authority	S340952-23	Phase II Sanitary Sewer System Upgrades	$ 3,100,000
134	North Hudson Sewer Authority	S340952-22	**CSO** - W1234 Solids/Floatables	$ 18,500,000
142	North Hudson Sewer Authority	S340952-33	H6/H7 Long Term Control Plan Project	$ 22,500,000
144	North Hudson Sewer Authority	S340952-30	**CSO** - 2017 Adams Street Wastewater Treatment Plant Improvements	$ 23,200,000
144	North Hudson Sewer Authority	S340952-31	Green Infrastructure	$ 547,350
144	North Hudson Sewer Authority	S345190-01	**CSO** - Combined Sewer Long Term Control Plan	$ 6,000,000
151	Riverside Sewerage Authority	S340490-01	Primary Digester Mixing System	$ 840,000
155	**Perth Amboy City**	**S340435-19**	**The Purchasing of a CCTV Video Pipeline Inspection System Project**	**$ 400,000**
155	Perth Amboy City	S340435-11	**CSO** - Second St. Pump Station Resiliency	$ 6,459,351
155	Perth Amboy City	S340435-14	**CSO** - Reparation (Pulaski Ave / Parker St. / State Street)	$ 2,608,000
155	Perth Amboy City	S345220-01	**CSO** - Permit Development of Long Term Control Plan	$ 1,000,000
162	**Hackensack City**	**S340923-14**	**Sewer Separation to Support Main Street Redevelopment**	**$ 6,500,000**
162	Hackensack City	S340923-12	CSO - Combined Sewer Separation, Phase 2	$ 6,000,000
162	Hackensack City	S340923-13	The Long Term Control Plan and CSO Sewer Separation Efforts (Phase 3)	$ 14,700,000
168	Somerset Raritan Valley Sewer Authority	S340801-09	WWTP Rehabilitation Improvements (SFY2019)	$ 6,500,000
169	Somerset Raritan Valley Sewer Authority	S340801-07	Stormwater control facility to eliminate sewage discharge	$ 34,000,000
176	Delran Township	S340794-11	Service Water System Upgrades and Aeration Blower Replacement Project	$ 2,100,000
178	Passaic Valley Sewerage Commission	S340689-37	**CSO** - Substation "M" Replacement **(SAIL)**	$ 107,091,640
178	Passaic Valley Sewerage Commission	S340689-47	**CSO** - Headworks Reconstruction Project	$ 94,965,434
178	Passaic Valley Sewerage Commission	S340689-48	Crane Procurement	$ 900,410

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181	Passaic Valley Sewerage Commission	S340689-44	**CSO** - Wallington Pump Station Rehabilitation Project	$ 1,500,000
182	Passaic Valley Sewerage Commission	S340689-23	**CSO** - Standby Power Generating Facility **(SAIL)**	$ 150,000,000
182	Passaic Valley Sewerage Commission	S340689-38	**CSO** - Final Clarifier Concrete Rehabilitation Project **(SANDY)**	$ 21,000,000
182	Passaic Valley Sewerage Commission	S340689-39	**CSO** - Heat Treatment Plant Supernatant Return Pipe Lining **(SANDY)**	$ 4,816,000
182	Passaic Valley Sewerage Commission	S340689-40	**CSO** - Plant wide Replacement & Relocation of Electrical Switchgear and MCCs **(SAIL)**	$ 123,300,000
182	Passaic Valley Sewerage Commission	S345200-01	**CSO** - Combined Sewer Overflow Long Term Control Planning **(SANDY)**	$ 8,000,000
182	Passaic Valley Sewerage Commission	S345200-02	**CSO** - Asset Management Plan **(SANDY)**	$ 2,000,000
188	Passaic Valley Sewerage Commission	S340689-49	PVSC Perimeter Flood Wall, Storm Water Collection Sys. & Pumping Stations (Merged (S340689-41,42,43)	$ 296,136,901
189	Passaic Valley Sewerage Commission	S340689-25	Administration Building Rehab **(SAIL)**	$ 9,100,000
189	Passaic Valley Sewerage Commission	S340689-30	**CSO** - Sump Pump Relocation **(SAIL)**	$ 3,700,000
189	Passaic Valley Sewerage Commission	S340689-31	Sodium Hypochlorite Storage Replacement	$ 4,000,000
189	Passaic Valley Sewerage Commission	S340689-32	**CSO** - Newark Bay Outfall **(SANDY)**	$ 10,000,000
189	Passaic Valley Sewerage Commission	S340689-33	**CSO** - Weatherproof tunnel locations incl HVAC for ventilation **(SAIL)**	$ 90,000,000
200	Northwest Bergen County Utilities Authority	S340700-16	Wastewater Treatment Plant Improvements	$ 4,900,000
206	Beach Haven Borough	S344220-01	**Barnegat Bay** - Stormwater Pump replacement and drainage	$ 2,038,640
208	Logan Township Municipal Utilities Authority	S340123-02	Effluent Force Main Replacement Project	$ 9,948,000
210	Bergen County Utilities Authority	S340386-19	Infrastructure Protection Improvements	$ 3,240,000
210	Bergen County Utilities Authority	S340386-20	Primary Settling Tanks Improvements	$ 9,000,000
210	Bergen County Utilities Authority	S340386-21	Final Settling Tanks Improvements	**$ 7,600,000**

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210	Bergen County Utilities Authority	S340386-22	Facility Assessment and Improvements	$ 5,690,000
210	Bergen County Utilities Authority	S340386-23	Sludge Digester Improvements	$ 18,700,000
210	Bergen County Utilities Authority	S340386-24	Tank Header Improvements	$ 1,950,000
216	Bergen County Utilities Authority	S340386-14	All offsite mitigation improvements	$ 54,172,587
216	Bergen County Utilities Authority	S340386-15	Power Supply mitigation improvements	$ 42,094,280
216	Bergen County Utilities Authority	S340386-16	All Plant wide mitigation improvements	$ 19,537,263
216	Bergen County Utilities Authority	S340386-18	Pump Station Resiliency Project	$ 2,491,339
223	Linden Roselle Sewer Authority	S340299-09	Phase V Building Improvements	$ 2,100,000
224	Linden Roselle Sewer Authority	S340299-08	2019 Capital Improvements Projects	$ 17,000,000
225	Gloucester City	S345090-01	**CSO** - Combined Sewer Overflow Asset Management Plan	$ 1,000,000
226	Lambertville Municipal Utilities Authority	S340882-09	WWTP rehab work	$ 1,800,000
230	Passaic Valley Sewerage Commission	S340689-50	Improvements to the Vehicle Maintenance Building	$ 7,000,000
233	Roxbury Township	S340381-07	Treatment Plant & Pump Station Improvements	$ 7,500,000
234	Raritan Township Municipal Utilities Authority	S340485-12	Main Treatment Plant Improvements 2016	$ 4,900,000
235	Clinton Town	S340924-08	WWTP Filter and Residuals Building Improvement Project	$ 642,076
242	Gloucester County Utilities Authority	S340902-15	Combined Heat & Power	$ 7,250,000
243	Stafford Township	S344100-03	**Barnegat Bay** - Neptune Basin Expansion	$ 5,600,000
246	Berkeley Township	S344020-02	**Barnegat Bay** - Water Quality Retention Basin at Moorage Park	$ 905,063
248	Allentown Borough	S340567-05	Sewer Plant Modifications	**$ 5,100,000**
249	Stony Brook Regional Sewer Authority	S340400-11	River Road Wastewater Treatment Plant UV Disinfection and Effluent Filtration Project	$ 21,000,000
250	Stony Brook Regional Sewer Authority	S340400-10	Dewatered Sludge Handling Pump Replacement Project	$ 5,700,000

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254	Evesham Municipal Utilities Authority	S340838-09	Elmwood WWTP Resiliency Improvements	$ 400,000
254	Evesham Municipal Utilities Authority	S340838-10	Elmwood Tertiary Filter Rehabilitation	$ 1,500,000
257	Long Hill Township	S340404-10	Capacity Assurance and System Rehabilitation Project	$ 7,500,000
259	North Wildwood City	S340663-07	Street and Utility Reconstruction - Sewer **(SANDY)**	$ 32,872,570
265	JMEUC - East Orange City	S340686-09a	Capital Improvements Projects 2019	$ 620,504
265	JMEUC - Elizabeth City	S340686-09b	Capital Improvements Projects 2019	$ 6,505,876
265	JMEUC - Hillside Township	S340686-09c	Capital Improvements Projects 2019	$ 908,430
265	JMEUC - Irvington Township	S340686-09d	Capital Improvements Projects 2019	$ 2,252,347
265	JMEUC - Newark City	S340686-09e	Capital Improvements Projects 2019	$ 1,363,042
265	JMEUC - South Orange Village Township	S340686-09f	Capital Improvements Projects 2019	$ 650,806
265	JMEUC - Summit City	S340686-09g	Capital Improvements Projects 2019	$ 1,186,322
265	JMEUC - Union Township	S340686-09h	Capital Improvements Projects 2019	$ 2,449,335
265	JMEUC - West Orange Township	S340686-09i	Capital Improvements Projects 2019	$ 1,585,429
276	Howell Township	S344040-02	**Barnegat Bay** - Freewood Acres & Route 9 Sanitary Sewer Extension	$ 14,680,000
279	Rutgers University	S340500-01	Busch Cogeneration Plant Upgrade	$ 37,000,000
282	Northfield City	S340508-04	Sanitary Sewer Pump Station Upgrades - Zion and Davis Avenues	$ 720,000
285	**Willingboro Municipal Utilities Authority**	**S340132-09**	**Water Pollution Control Plant-Installation of Screening and Grit Removal Equipment**	**$ 8,500,000**
287	Little Egg Harbor Township	S344060-02	Barnegat Bay - Twin Lakes Blvd. Drainage Improvements	$ 4,500,000
295	Ocean County	S344080-10	**Barnegat Bay** - Camera Pipe Line Inspection Truck System - Equipment	$ 250,000
295	Ocean County	S344080-11	**Barnegat Bay** -Mechanical Street Sweeper - Equipment	$ 350,000
297	**Rockaway Valley Regional Sewer Authority**	**S340821-08**	**Upgrades for compliance with effluent limitation for phosphorus w/ addition of chem storage & feed syst, implement add'tl SCADA improvements to enhance monitoring & control**	**$ 15,500,000**

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297	Rockaway Valley Regional Sewer Authority	S340821-07	Rehab four existing final clarifiers	$ 8,200,000
299	Ocean County	S344080-09	**Barnegat Bay** - Manufactured Treatment Devices	$ 1,300,000
300	Western Monmouth Utilities Authority	S340128-06	Pine Brook Sewage Treatment Plant Improvements	$ 13,100,000
303	Lacey Township	S344140-02	Yacht Basin Plaza North & South Bulkhead and Stormwater Management	$ 1,559,000
304	Chatham (MCJM) Borough	S340715-07A	Facility Improvements 2018	$ 7,289,180
304	Madison (MCJM) Borough	S340715-07B	Facility Improvements 2018	$ 7,289,180
310	Wildwood City	S340664-06	2019 Capital Improvements	$ 15,713,010
311	Point Pleasant Beach Borough	S344190-02	**Barnegat Bay** - Little Silver Lake Drainage Improv. Project	$ 3,150,000
312	Ocean Gate Borough	S344180-01	**Barnegat Bay** - Storm Sewer MTD	$ 2,600,000
317	New Jersey Water Supply Authority	S340421-02	Round Valley Reservoir Structures Refurbishment and Resource Preservation	$ 75,000,000
326	Kearny Municipal Utilities Authority	S340259-14	PS Grit Collector Replacement /Central & Pennsylvania Ave Sewer Rehab	$ 1,582,000
338	Long Branch Sewerage Authority	S340336-09	2018 Capital Improvements Projects - Collection System	$ 5,600,000
341	Princeton	S340656-08	System-wide Sanitary Sewer Rehabilitation	$ 4,300,000
352	Manasquan River Regional Sewerage Authority	S340911-03	Equipment Replacement	$ 660,000
354	Willingboro Municipal Utilities Authority	S340132-08	Collection System Resiliency **(SANDY)**	$ 1,900,000
357	Little Egg Harbor Municipal Utilities Authority	S340579-03	Little Egg Harbor Sewer Main Replacement	$ 7,700,000
359	Delran Township	S340794-10	Clay Street Pump Station	$ 2,100,000
361	Hopatcong Borough	S340488-07	Sanitary Sewer System Asset Management Plan	$ 80,000
370	Montclair Township	S340837-04	Sanitary Sewers refurbishment 2017	$ 1,700,000
370	Montclair Township	S340837-05	Sanitary Sewer Manhole Rehabilitation	$ 800,000
380	Middlesex County Utilities Authority	S340699-12	Restoration and Flood Mitigation **(SAIL)**	$ 88,000,000
380	Middlesex County Utilities Authority	S340699-14	Main Truck Sewer Rehab Phase II	$ 11,000,000

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380	Middlesex County Utilities Authority	S340699-16	Main Trunk Sewer Rehabilitation Phase III	$ 18,100,000
388	Bergen County Utilities Authority	S340386-25	Northern Valley Force Main Improvements	$ 4,000,000
389	Monmouth County Bayshore Outfall Authority	S340325-04	Force Main Assessment and Rehabilitation	$ 3,000,000
393	Atlantic County Utilities Authority	S340809-29	Replace a portion of Brigantine Force Main	$ 4,300,000
397	Atlantic County Utilities Authority	S340809-30	Ventnor-Margate Force main Replacement - Phase 1	$ 10,100,000
402	Woodbridge Township	S340433-11	Control of Odors and Corrosion in the Port Reading Interceptor	$ 13,083,362
411	Toms River MUA	S340145-05	Sanitary Sewer Rehabilitation	$ 3,100,000
411	Toms River MUA	S340145-06	Equipment Purchase	$ 754,200
413	Ocean County Utilities Authority	S340372-60	SD1821 SI-4 Interceptor Rehabilitation MH 12-2 to MH 10-6	$ 870,000
417	Two Rivers Water Reclamation Authority	S340117-09	Interceptor and Pump Station Improvements	$ 4,000,000
418	**Two Rivers Water Reclamation Authority**	**S340117-10**	**New Main Pump Station**	**$ 75,000,000**
419	Brick Township Municipal Utilities Authority	S340448-11	Wastewater Pump Station Rehabilitation - Phase II	$ 5,700,000
419	Brick Township Municipal Utilities Authority	S340448-13	Sanitary Sewer Main Replacement on Cartagena Drive, Alhama Drive, Cadiz Drive, Valencia Drive and Monterey Drive	$ 4,060,000
419	Brick Township Municipal Utilities Authority	S340448-12	Sanitary Sewer Manhole Rehabilitation and Replacement	$ 4,824,000
422	Northwest Bergen County Utilities Authority	S340700-19	Interceptor System Rehabilitation	$ 8,132,450
422	Northwest Bergen County Utilities Authority	S340700-14	Midland Park Force Main Installation	$ 3,694,000
422	Northwest Bergen County Utilities Authority	S340700-15	Wastewater Pump Station Improvements	$ 7,000,000

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422	Northwest Bergen County Utilities Authority	S340700-18	Interceptor System Rehabilitation	$ 2,000,000
429	Western Monmouth Utilities Authority	S340128-05	Route 79 Pump Station and Force Main Replacement	$ 7,850,000
431	Old Bridge Municipal Utilities Authority	S340945-14	2015 Sewage Pump Station Upgrades	$ 3,290,000
434	Franklin Township Sewerage Authority	S340839-08	Hamilton St. Pumping Station	$ 4,200,000
434	Franklin Township Sewerage Authority	S340839-09	Marcy Street Sanitary Sewer Rehab	$ 7,500,000
434	Franklin Township Sewerage Authority	S340839-07	Foxwood Drive Area - South Crossing I&I Reduction	$ 2,500,000
447	South Monmouth Regional Sewer Authority	S340377-04A	Pump Station Improvements **(SAIL)**	$ 6,981,600
451	Evesham Municipal Utilities Authority	S340838-07	Sewer System Improvements	$ 1,600,000
452	Evesham Municipal Utilities Authority	S340838-08	Route 70 Sewer Rehabilitation	$ 1,000,000
453	Egg Harbor Township Municipal Utilities Authority	S340753-06	FAA Pump Station Reconstruction	$ 700,000
455	Mount Laurel Township Municipal Utilities Authority	S340943-07	Sewer System Improvement Project (Bundle 2)	$ 3,200,000
457	Winslow Township	S340895-10	Various Sanitary Sewer System Rehab	$ 1,700,000
459	Montclair Township	S340837-03	Sanitary Sewer Collection System Rehabilitation-SFY 2016	$ 1,700,000
464	Ocean Township Sewer Authority	S340750-13	2016 Collection System Improvements	$ 550,000
464	Ocean Township Sewer Authority	S340750-14	Asbury Avenue and Longview Pump Stations Rehabilitation	$ 2,500,000
467	Ocean Township Sewer Authority	S340750-12	Interlaken Pump Station reconstruction **(SANDY)**	$ 4,500,000
476	Ocean County Utilities Authority	S340372-58	AW1610 South Island Beach Interceptor (CI-1A) and South Island Interceptor (SI-11) Rehabilitation	$ 4,431,000
478	Vernon Township	S340745-03	Vernon Township Asset Management Assessment and Plan	$ 110,000
480	Scotch Plains Township	S340512-01	Sewer Pump Station Upgrades	$ 2,700,000
481	Carteret Borough	S340939-10	Roosevelt Pump Station and Bergen Street Pump Station Upgrades	$ 5,000,000

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483	Burlington Township	S340712-17	Sanitary Sewer Rehabilitation in Various Locations	$ 1,000,000
491	Deptford Township Municipal Utilities Authority	S340066-03	Sanitary Sewer Rehabilitation at Country Club Estates	$ 1,000,000
491	Deptford Township Municipal Utilities Authority	S340066-04	Sanitary Sewer Rehabilitation at East Woodbury	$ 700,000
491	West Deptford Township	S340947-05	Replacement of Pump Stations 4 and 6	$ 1,415,000
494	Hillside (JMEUC) Township	S340686-10	North Avenue Pumping Station	$ 1,300,000
498	Roselle Borough	S340332-02	Cleaning & lining of sanitary sewer	$ 3,800,000
499	Hamilton Township Municipal Utilities Authority	S340903-06	2019 Wastewater Facility Upgrades and Renovations	$ 2,500,000
512	Princeton	S340656-11	Improvements to Linden Lane and Spruce Street	$ 3,925,678
512	Princeton	S340656-12	Improvements to Bank Street	$ 1,871,602
517	Warren Township Sewer Authority	S340964-05	Stage I/II, IV Collection System Rehabilitation	$ 10,800,000
526	**Middlesex Borough**	**S340698-03**	**Middlesex Borough Rehabilitation of Sanitary Sewers Phase II (Greenbrook Rd. and Louis Ave. Pump Stations)**	**$ 1,000,000**
526	Middlesex Borough	S340698-02	Sanitary Sewer Main Improvements	$ 2,568,750
532	Red Bank Borough	S340528-01	White Street Water & Sewer Improvements	$ 1,500,000
548	Brigantine City	S340827-04	Emergency Generators **(SANDY)**	$ 3,300,000
552	Northfield City	S340508-03	Preparation of an Asset Management Plan	$ 180,000
556	Runnemede Borough	S340363-06	Sanitary Sewer slip-lining at various locations	$ 1,800,000
557	North Haledon Borough	S340229-02	Small System Asset Management Plan	$ 100,000
559	Carneys Point Sewerage Authority	S340502-08	Lafayette Road Sanitary Sewer	$ 1,057,203
564	Glen Ridge Borough	S340861-03	Sewer Cleaning Truck	$ 445,849
564	Glen Ridge Borough	S340861-04	Sanitary Sewer Rehab & Collection System Asset Management Plan	$ 2,300,000
566	Haddon Heights Borough	S340877-02	Sanitary Sewer System Asset Management Plan	$ 100,000
571	Emerson Borough	S340497-01	Small System Asset Management Plan	$ 100,000
588	Mount Arlington Borough	S340451-05	Wastewater System Asset Management Plan	$ 212,785

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589	Highlands Borough	S340901-05	Coastal Community Water Quality Restoration	$ 5,500,000
594	Buena Borough Municipal Utilities Authority	S340518-06	Upgrades to Sanitary Municipal Authority	$ 1,298,000
596	Bradley Beach Borough	S340472-01	Sewer Main Installation and Repairs - Phase I	$ 2,700,000
599	Medford Lakes Borough	S340319-03	Collection System Lining Improvements	$ 11,000,000
601	**Mendham Borough**	**S340159-03**	**Collection System Improvements**	**$ 3,200,000**
602	Lambertville Municipal Utilities Authority	S340882-10	Collection system rehabilitation	$ 700,000
608	Hamburg Borough	S340149-03	Sanitary Sewer System Asset Management Plan	$ 100,000
610	Long Beach Township	S340023-07	Sewer Main Replacement	$ 4,600,000
610	Long Beach Township	S340023-08	Asset Management	$ 120,000
621	Borough of Wenonah	S340531-01	Sanitary Sewer Collection System Asset Management and System Improvements	$ 1,330,000
630	**Seaside Park Borough**	**S340083-04**	**Phase III A Sanitary Sewer Replacement**	**$ 4,000,000**
632	Ship Bottom Borough	S340311-03	Sewer Main Replacement Project	$ 4,700,000
636	Fieldsboro Borough	S340522-01	Sewer @ Stormwater Asset Management Plan	$ 150,000
638	Passaic Valley Sewerage Commission	S340689-45	Sludge Storage Improvements	$ 10,210,102
638	Passaic Valley Sewerage Commission	S340689-46	Decant Facility Improvements	$ 96,000,000
643	Gloucester County Utilities Authority	S340902-17	Sludge Drying System	$ 10,000,000
662	North Wildwood City	S340663-08	Street and Utility Reconstruction - Stormwater **(SANDY)**	Same Project as - 07
666	Manasquan Borough	S340450-02	Stockton Lake Bulkhead and Stormwater Management	$ 4,505,800
672	Plumsted Township	S340607-03	Advanced WW treatment & collection system	**$ 34,000,000**
737	Woolwich Township	S340432-01	New Collection System & Treatment	$ 17,400,000
739	Camden County Municipal Utilities Authority	S340640-26	Newton Creek Dredging and Erosion Control	$ 28,500,000
763	Lakewood Township Municipal Utilities Authority	S340465-02	Gravity Sewer Line Installation	$ 4,320,000
775	Marlboro Township	S340268-02	Harbor Rd. Wastewater Pump Station	$ 964,250

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792	Aberdeen Township	S340869-02	Sanitary Sewer and PS Upgrades	$ 9,000,000
797	Mantua Township MUA	S340514-02	Barnsboro Sewer Extension	$ 1,700,000
817	Cumberland County	S340438-01	Downe Wastewater Infrastructure	$ 16,000,000
817	Cumberland County	S340438-03	Downe Township Fortescue Package Plant	$ 17,000,000
822	Little Egg Harbor Township	S340579-04	Mystic Island Drainage Improvements - Phase 2	$ 1,714,000
830	**Tuckerton Borough**	**S340034-04**	**Dredging of Tuckerton Waterways (Clean Water)**	**$ 7,750,000**
831	West Wildwood Borough	S340626-05	Storm Sewer Improvements to Avenues P, Q, R, S & Mueller Avenue	$ 1,890,000
832	Cranford Township	S340858-04	Stormwater constr. various locations to improve drainage/prevent flooding	$ 12,000,000
835	Ridgefield Park Village	S340688-05	Village of Ridgefield Park Skymark Project	$ 30,211,486
838	Dunellen Borough	S340916-03	Flood Mitigation Project	$ 2,599,998
839	New Jersey Water Supply Authority	S340421-01	D&R Canal Dredging	$ 56,800,000
855	Gloucester Township	S340364-11	Flood Mitigation **(SANDY)**	$ 950,000
855	Gloucester Township	S340364-15	Gloucester Township Stormwater Improvements	$ 1,450,000
857	Plainfield Municipal Utilities Authority	S340240-06	Transfer Station Improvement	$ 11,675,000
861	Evesham Municipal Utilities Authority	S340838-06	Elmwood WWTP Storage Building	$ 2,500,000
862	Berkeley Township	S340969-12	Stormwater/Equipment	$ 706,150
902	Brigantine City	S340827-05	Flood Control and Pump Station Improvements **(SANDY)**	$ 4,600,000
902	Brigantine City	S340827-06	Municipal System Improvements	$ 1,001,066
911	Spotswood Borough	S340510-01	Roadway, Stormwater Management and Sanitary Sewer System Improvements	$ 5,427,000
920	Paulsboro Borough	S340164-01	Stormwater Management	$ 2,750,000
927	Highlands Borough	S340901-03	Stormwater System Improvements (Current Project)	$ 6,250,000
937	Bradley Beach Borough	S340472-02	Bradley Boulevard Stormwater Rehab	$ 2,590,050
947	Riverdale Borough	S340729-02	Equipment Purchase	$ 289,789
958	North Hudson Sewer Authority	S340952-36	Equipment Purchases	$ 900,000
968	Clinton Town	S340924-07	Town of Clinton System-Wide Customer Meter Replacement	$ 800,000
978	Bellmawr Borough	S342011-02	Waterfront Development Remediation	$ 68,400,000

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985	Sussex County Municipal Utilities Authority	S342008-04	SCMUA Leachate Pump Station/Force Main Construction	$ 7,403,160
1046	Kearny Town	S340259-12	Redev of recreational complex as a modern artificial turf complex	$ 21,500,000
1048	**Jersey City Municipal Utilities Authority**	**S340928-32**	**Remote Meter Reading (AMI) (FKA DW)**	**$ 9,300,000**
1055	**Camden City**	**S340366-16**	**New Auto Meter Reading Equip for entire City (FKA DW)**	**$ 1,800,000**
1056	**East Orange City**	**S340843-02**	**Water System Improvement and Resiliency Project 2017 (FKA DW)**	**$ 6,840,000**
1060	**Atlantic City Municipal Utilities Authority**	**S340439-04**	**Water Meter and MTU Replacement**	**$ 2,300,000**
1061	Asbury Park City	S340883-08	Sewer Plant	$ 63,000,000
1071	Gloucester County Improvement Authority	S342016-03	Cell 14 Construction	$ 13,893,240
1072	**Gloucester County Improvement Authority**	**S342016-04**	**Cell 15 Construction**	**$ 18,500,001**
1078	**Pollution Control Financing Authority of Warren County**	**S342026-01**	**Pollution Control Financing Authority Cell 7 Project**	**$ 24,000,000**
1081	Salem County Improvement Authority	S342022-02	Cell 10 Construction	$ 8,500,000
1085	**Burlington City**	**S340140-02**	**Meter Replacement (FKA DW Meter replacement & Filter rehabilitation)**	**$ 2,600,000**
1086	**Salem City**	**S340235-03**	**Salem City Water Meter (FKA DW)**	**$ 1,900,000**
1088	Willingboro Municipal Utilities Authority	S340132-11	Water Meter Infrastructure Project	$ 10,000,000
1089	Milltown Borough	S340102-01	Milltown Ford Ave Redevelopment	$ 21,000,000
1089	Milltown Borough	S340102-04	Ford Avenue Redevelopment	$ 5,500,000
1091	**Lakewood Township Municipal Utilities Authority**	**S340465-03**	**Administration Building Addition (FKA DW)**	**$ 1,750,000**
1093	**Bloomfield Township**	**S340516-01**	**Water Meter Replacement (FKA DW)**	**$ 7,230,970**
1097	Brick Township Municipal Utilities Authority	S340448-14	Meter Replacement - Phase II	$ 2,000,000
1101	**North Brunswick Township**	**S340888-02**	**Water Meter Replacement (FKA DW)**	**$ 8,000,000**
1105	University Hospital	S340500-03	University Hospital Co Generation Plant	$ 7,800,000
1107	**Manchester Township**	**S340650-08**	**Install automated meters (FKA DW)**	**$ 3,000,000**

Key	
Red Text	SAIL Program (Disaster Relief Projects)
Blue Text	Project formerly appeared on DW list
Green Text	Cost and/or New Project Update
Bold	Updated information

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
1108	**West Deptford Township**	**S340947-06**	**Water Meter Replacement Project (FKA DW)**	**$ 3,800,000**
1112	**Point Pleasant Beach Borough**	**S340479-04**	**Water Meter Replacement Project (FKA DW)**	**$ 1,930,000**
1113	**Allentown Borough**	**S340567-06**	**Water Meter Replacement (FKA DW)**	**$ 664,938**
1114	Ship Bottom Borough	S340311-04	Residential Water Meter Project	$ 2,750,000
	Sandy and Base SFY2021 CW Projects: #	**311**	**Subtotal**	**$ 3,619,218,691**
	Total Clean Water Projects: #	**315**	**Total Clean Water Projects:**	**$ 3,623,593,691**

Pinelands Clean Water Projects

	Project Sponsor	**Project Number**	**Project Description**	**Estimated Total Project Cost**
PL-1	Pemberton	Pinelands	BCI Water System Improvement	$ 2,929,000
PL-2	Manchester Twp./Jackson MUA	Pinelands	Water & Sewer	$ 7,192,035
PL-4	Galloway	Pinelands	Pinehurst Sewer Extension	$ 3,493,440
PL-5	Winslow	Pinelands	Water & Sewer	$ 1,728,940
	Total Pinelands Projects:	**4**	**Est. Total Project Costs:**	**$ 15,343,415**
	Total Clean Water and Pinelands Projects: #	**319**	**Total Clean Water and Pinelands Projects:**	**$ 3,638,937,106**

Key	
Red Text	SAIL Program (Disaster Relief Projects)
Blue Text	Project formerly appeared on DW list
Green Text	Cost and/or New Project Update
Bold	Updated information

APPENDIX B - Drinking Water

SFY2021
Interim Drinking Water Financing Program
Project Priority List

Alphabetical Order

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Aberdeen Township	1330004-001	925	13	Woodfield Area Water System Rehabilitation	$ 3,900,000
Allentown Borough	1302001-002	909	12	Elevated Water Tank Improvements	$ 549,100
Allentown Borough	1302001-004	241	12	Water Treatment Plant Improvements	$ 2,328,960
Atlantic City Municipal Utilities Authority	0102001-010	340	2	Asset Management Plan - Professional Consulting Services In Compliance With The New Jersey Water Quality Accountability Act	$ 150,000
Bayonne Municipal Utilities Authority	0901001-006	364	31	Aqueduct Replacement	$ 12,000,000
Berkeley Township Municipal Utilities Authority	1505004-009	235	9	Installation of New Well #4 with WM to Connect to WTP	$ 2,500,000
Bloomfield Township	0702001-003	17	28	Lead Service Line Replacement	$ 1,098,395
Bloomfield Township	0702001-004	23	28	Interconnection Project	$ 2,600,000
Brick Township Municipal Utilities Authority	1506001-008	249	10,30	Undersized Water Main Replacement Cedar Park East and West	$ 6,550,000
Brick Township Municipal Utilities Authority	1506001-009	342	10,30	Breton Woods Water Main Replacement - Phase I	$ 5,928,760
Brick Township Municipal Utilities Authority	1506001-010	343	10,30	Hydrant Replacement in Baywood Section	$ 1,160,000
Brick Township Municipal Utilities Authority	1506001-011	43	10,30	Granular Activated Carbon Treatment Addition	$ 20,890,000
Brick Township Municipal Utilities Authority	1506001-012	1019	10,30	Meter Replacement	$ 5,420,000

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

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Brick Township Municipal Utilities Authority	1506001-013	363	10,30	Water Main Stream Crossings Replacements at Various locations	$ 4,188,419
Brick Township Municipal Utilities Authority	1506001-014	117	10,30	Water Main Replacement on Cartagena Drive, Alhama Drive, Cadiz Drive, Valencia Drive and Monterey Drive	$ 3,600,000
Brielle Borough	1308001-004	981	30	Brielle Drinking Water Storage Tank Project	$ 2,460,000
Brielle Borough	1308001-005	1014	30	Old Bridge Road Elevated Water Storage Tank	$ 3,600,000
Brigantine City	0103001-501	978	2	Installation of generators @ well **(SANDY)**	$ 2,900,000
Burlington City	0305001-002	20	7	Meter Replacement & Filter Rehabilitation	$ 3,600,000
Buttonwood Mobile Home Park	0301001-001	12	9	Buttonwood system	$ 318,000
Camden City	0408001-022	114	5	Install potable wells/flr elevations @ Morris Delair WTP	$ 1,400,000
Clementon Borough	0411001-001	128	4	Rehab of Gibbsboro Water Main	$ 500,000
Clementon Borough	0411001-002	355	4	Rehab of well 9 including slip lining to improve conveyance	$ 1,400,000
Clinton Town	1005001-006	891	23	Lebanon Borough WM Replacements - Phase II through Phase V	$ 4,300,000
Clinton Town	1005001-007	1111	23	Replace Water Meters	$ 4,277,804
Clinton Town	1005001-010	209	23	West Main Street Water Main Replacement Project	$ 1,448,187
Clinton Town	1005001-011	209	23	Glen Eagles Dr, Muirfield Ln, and Heather Hill Way WM Replacement	$ 1,265,807
Clinton Town	1005001-012	891	23	WQAA Implementation - Water Infrastructure Audit and Upgrades	$ 3,500,000
Clinton Town	1005001-013	975	23	Foster Wheeler Booster Pump Station Modifications - Asset Management Planning	$ 3,000,000

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

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Deptford Township Municipal Utilities Authority	0802001-002	371	5	Water Main Replacement at East Woodbury	$ 1,550,000
Deptford Township Municipal Utilities Authority	0802001-003	371	5	Water Main Replacement at Country Club Estates	$ 1,200,000
East Greenwich	0803001-004	77	3	Installation of Filtration System at Well #3	$ 2,280,200
East Orange City	0705001-014	44	34	Water System Improvement and Resiliency Project 2017	$ 33,000,000
East Windsor Municipal Utilities Authority	1101002-005	882	14	Twin Rivers (H section) Water Main Replacement Project	$ 2,000,000
Evesham Municipal Utilities Authority	0313001-001	313	8	Wells 13 Treatment Improvements	$ 2,600,000
Flemington Borough	1009001-009	356	16	Water Tank Construction and Various Improvements	$ 4,500,000
Freehold Borough	1315001-002	143	11	Water Plant Development	$ 6,440,000
Freehold Borough	1315001-003	950	11	Replacement of Well No. 3	$ 2,152,400
Glen Ridge Borough	0708001-008	213	28	Replace Lead Service Line/ Hydrants & Water System AMP	$ 2,573,210
Hamburg Borough	1909001-001	1122	24	Small System Asset Management	$ 85,000
Hamburg Borough	1909001-002	357	24	Water Storage Tank Rehabilitation	$ 1,100,000
Hampton Borough	1013001-001	1038	23	New back up well 5 to address firm capacity requirements	$ 1,800,000
Hardyston Municipal Utility Authority	1911006-001	1061	24	Water Meter Replacement	$ 477,400
Hardyston Municipal Utility Authority	1911006-003	1163	24	Asset Management Plan	$ 100,000
Harvey Cedars Borough	1509001-002	1132	9	Installation of a Water Monitoring Well	$ 1,100,000
Highbridge Borough	1014001-001	1158	23	Asset Management Plan for the High Bridge Water System	$ 100,000
Highbridge Borough	1014001-002	1060	23	Improvements to water system	$ 1,076,758
Hightstown Borough	1104001-010	301	14	Water Main Improvements	$ 1,775,678

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

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Hoboken City	0905001-001	250	33	Washington St. Water Main / Green Infrastructure Drainage Improv.	$ 8,500,000
Hoboken City	0905001-002	197	33	Water Main Upgrades	$ 8,000,000
Hopatcong Borough	1912001-001	126	24	Hudson Avenue Water Main Installation	$ 1,000,000
Hopatcong Borough	1912001-004	1121	24	Small System Asset Management	$ 100,000
Jackson Township Municipal Utilities Authority	1511001-010	254	12	Demolition of Facilities, Replace Storage Tank, Well #3	$ 8,200,000
Jackson Township Municipal Utilities Authority	1511001-011	992	12	Improvements to Manhattan St Complex, Garage & Admin Bldg.	$ 1,600,000
Jackson Township Municipal Utilities Authority	1511001-012	944	12	Western Water Main Extension	$ 11,000,000
Jackson Township Municipal Utilities Authority	1511001-013	231	12	Six Flags Great Adventure Water Treatment Plant Replacement	$ 20,000,000
Jersey City Municipal Utilities Authority	0906001-006	176	31,33	Transmission Main Install	$ 19,000,000
Jersey City Municipal Utilities Authority	0906001-009	173	31,33	Burma Road Area Water System Improvements	$ 2,770,000
Jersey City Municipal Utilities Authority	0906001-010	173	31,33	Journal Square North Cleaning	$ 16,900,000
Jersey City Municipal Utilities Authority	0906001-012	163	31,33	Water Main Replacement	$ 18,000,000
Jersey City Municipal Utilities Authority	0906001-015	245	31,33	Van Winkle Ave. Water Main Replacement	$ 3,589,266
Jersey City Municipal Utilities Authority	0906001-016	162	31,33	Large Valve Replacement Program- Phase 2	$ 7,321,200
Jersey City Municipal Utilities Authority	0906001-017	80	31,33	Boonton Plant Centrifuge	$ 1,740,240
Jersey City Municipal Utilities Authority	0906001-018	175	31,33	Tonnele Avenue Water Main Replacement and Relining	$ 7,442,800
Jersey City Municipal Utilities Authority	0906001-019	100	31,33	Route 139 Water Main Replacement Project	$ 6,700,000
Jersey City Municipal Utilities Authority	0906001-020	228	31,33	Phase 3 and 4 Water Main Replacement Project	**$ 6,620,000**
Jersey City Municipal Utilities Authority	0906001-021	228	31,33	Phase 5 Water Mains	$ 9,100,000

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

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Jersey City Municipal Utilities Authority	0906001-023	225	31,33	Phase 5A Water Project	$ 9,300,000
Jersey City Municipal Utilities Authority	0906001-024	225	31,33	Phase 2A Water	$ 11,640,000
Jersey City Municipal Utilities Authority	0906001-025	163	31,33	Phase 1 & 2 Water Main Replacement Project	$ 19,511,200
Jersey City Municipal Utilities Authority	0906001-026	163	31,33	5-B Water Project	$ 7,320,000
Jersey City Municipal Utilities Authority	0906001-027	88	31,33	Phase 6B Water Main Rehabilitation Project	$ 8,500,000
Jersey City Municipal Utilities Authority	0906001-028	262	31,33	Dam Security Improvements	$ 1,700,000
Kearny Town	0907001-001A	252	32	Water Facility and ground Improv. program	$ 29,000,000
Lakehurst Borough	1513001-002	381	10	Water Main Replacement Project Phase I	**$ 1,200,000**
Little Egg Harbor Municipal Utilities Authority	1516001-003	1079	9	Water Treatment Plant at Mathistown Road (SANDY)	$ 5,525,000
Little Egg Harbor Municipal Utilities Authority	1516001-005	103	9	Little Egg Harbor Water Improvements Phases I	$ 6,609,594
Long Beach Township	1517001-015	897	9	Water Main Replacement Project	$ 4,159,201
Long Beach Township	1517001-502	324	9	Raise Well 4, reconstruct filter room & pumps	$ 11,500,000
Lower Township Municipal Utilities Authority	0505002-003	125	1	Villas East Phase 2 and Lower Cape May Regional WM Extensions	$ 6,923,406
Manchester Township	1518005-002	123	10	Repaint and repair one MG elevated storage facility	$ 5,500,000
Manchester Utilities Authority	1603001-001	211	35,40	Heights Tank Rehabilitation	$ 500,000
Manchester Utilities Authority	1603001-003	951	35,40	High Service Pump Station Replacement	$ 2,000,000
Marlboro Township	1328002-003	965	13	Beacon Hill storage tank Rehab	$ 1,714,000
Marlboro Township	1328002-004	1125	13	New Stand-by Well 5A	$ 1,385,000
Middlesex Water Company	1225001-025	309	18,19	Western Transmission Main	$ 57,000,000
Middlesex Water Company	1225001-027	272	19	RENEW 2019 - Carteret	$ 11,200,000

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

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Middlesex Water Company	1225001-028	193	19	RENEW 2018 - Woodbridge Twp.	$ 11,200,000
Middlesex Water Company	1225001-029	139	19	CJO Plant Upgrade - DBP Removal Treatment	$ 72,000,000
Milltown Borough	1212001-002	353	17	Ford Ave Redevelopment	$ 1,606,000
Milltown Borough	1212001-005	905	17	Water Storage Tank Rehabilitation	$ 1,800,000
Monroe Municipal Utilities Authority	0811002-001	366	4	Tank Painting	$ 2,300,000
Moorestown Township	0322001-001	37	7	North Church Street Water Treatment Plant Upgrade	$ 24,625,000
Moorestown Township	0322001-002	318	7	Hartford Road Water Treatment Plant Upgrade	$ 15,240,000
Mount Arlington Borough	1426005-001	1005	25	Mount Arlington Asset Management Plan	$ 250,285
National Park Borough	0812001-004	1096	3	Replacement of Wells 5 & 6	$ 1,700,000
Netcong Borough	1428001-007	119	25	Replace WM on Route 46, Extend WM on Route 80	$ 3,700,000
Netcong Borough	1428001-008	153	25	Rehabilitate existing storage facilities	$ 1,100,000
Netcong Borough	1428001-009	214	25	Meter Upgrades	$ 400,000
New Brunswick City	1214001-005	11	17	Water Treatment Plant Improvements	$ 15,500,000
Newark City	0714001-016	31	28,29	Pequannock Water Treatment Plant Rehab	$ 14,000,000
Newark City	0714001-017	45	28,29	Water Distribution System Upgrades	$ 2,000,000
Newark City	0714001-018	97	28,29	Replacement of Water Distribution Mains	$ 5,150,000
Newark City	0714001-019	6	28,29	Phase-1 Lead Service Line Replacement (LSLR)	$ 12,500,000
Newark City	0714001-020	5	28,29	Phase-2 Lead Service Line Replacement (LSLR) Project	$ 17,500,000
Newark City	0714001-021	10	28,29	Phase -3 Lead Service Line Replacement (LSLR) Project	$ 145,000,000
NJ American Water Company	1345001-021	112	6,11	Swimming River WTP 2nd Clearwell	$ 26,345,000
NJ American Water Company, Incorporated	0712001-016	392	28	RM WTP Emergency Generator	$ 6,576,000
NJ American Water Company, Incorporated	1345001-017	18	30	NJ American Water Lead Service Line Replacement Program	$ 10,100,000

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

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
NJ American Water Company, Incorporated	1345001-019	188	30	NJ American Water Lead Service Line Replacement Program	$ 60,000,000
NJ American Water Company, Incorporated	2004002-012	155	20,21 & 22	Oak Street Treatment Plant Improvements	$ 8,974,000
NJ American Water Company, Incorporated	2004002-013	935	12,14,15,16, 17,18,19,20, 21,22,23 & 25	Howell-Lakewood Transmission Main	$ 16,000,000
North Jersey Dist. Water Supply Comm.	1613001-022	64	39	Low Lift Gas Pump **(SANDY)**	$ 17,000,000
North Jersey Dist. Water Supply Comm.	1613001-025	64	39	Purchase and Install New Dewatering System	$ 31,500,000
North Jersey Dist. Water Supply Comm.	1613001-026	104	28,29,31,32, 34,36 & 40	Rehabilitation of Treatment Facility	$ 12,900,000
North Jersey Dist. Water Supply Comm.	1613001-031	104	28,29,31,32, 34,36 & 40	Expansion of Aeriation System	$ 3,800,000
North Jersey Dist. Water Supply Comm.	1613001-032	64	28,29,31,32, 34,36 & 40	Filter Bldg. Pipe Gallery Dehumidify	$ 3,600,000
North Jersey Dist. Water Supply Comm.	1613001-033	134	28,29,31,32, 34,36 & 40	Basins 1-4 Flocculator Rehabilitation	$ 4,100,000
North Jersey Dist. Water Supply Comm.	1613001-034	243	28,29,31,32, 34,36 & 40	Modify and Expand Central Receiving Building	$ 1,600,000
North Shore Water Association	1904004-001	15	24	Existing Well Requires Replacement	$ 500,000
Oak Ridge Senior Housing Community	1414008-001	306	40	Water Line Upgrades	$ 530,300
Oakland Borough	0220001-001	1128	39	Construct new well 10A as backup for well 10	$ 3,133,000
Oakland Borough	0220001-002	1110	39	Replace 4600 water meters	$ 3,133,000
Oakland Borough	0220001-003	1028	39	diesel generator for well 9 **(SANDY)**	$ 3,133,000
Oakland Borough	0220001-004	973	39	Rehab of Iroquois Pumping Station	$ 3,133,000
Ocean Gate Borough	1521001-003	1097	9	Well Water Construction/Drilling a new well	$ 720,000

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

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Old Bridge Municipal Utilities Authority	1209002-005	195	12	Laurence Harbor Water System Upgrade, Phase 1	$ 2,500,000
Old Bridge Municipal Utilities Authority	1209002-014	36	12	Perrine Road Carbon Absorber Facility	$ 1,750,000
Passaic Valley Water Commission	**1605002-002**	**9**	**26,34,35,38, 39 & 40**	**Lead Service Line Replacement in Main System**	**$ 26,500,000**
Passaic Valley Water Commission	**1605002-001**	**307**	**26,34,35,38, 39 & 40**	**Subsurface Exploratory Investigation for Determination of Lead Service Lines**	**$ 5,200,000**
Passaic Valley Water Commission	**0239001-001**	**1152**	**26,34,35,38, 39 & 40**	**Subsurface Exploratory Investigation for Determination of Lead Service Lines in the North Arlington System**	**$ 2,000,000**
Passaic Valley Water Commission	**0231001-001**	**1066**	**26,34,35,38, 39 & 40**	**Subsurface Exploratory Investigation for Determination of Lead Service Lines in the Lodi System**	**$ 1,500,000**
Passaic Valley Water Commission	1605002-014	4	26,34,35,38, 39 & 40	Phase I - Levine Reservoir Water Storage Improvements	$ 26,100,000
Paulsboro Borough	0814001-003	127	3	Water Main Replacement	$ 2,800,000
Perth Amboy City	**1216001-005**	**396**	**19**	**The Installation Of A New Standby Generator At The Runyon Water Treatment Plant**	**$ 1,100,000**
Perth Amboy City	1216001-500	396	19	Install New Stand-by Generator for Runyon Water Treat. Plant **(SANDY)**	$ 2,750,000
Ridgefield Park Village	0238001-002	1153	36	Village of Ridgefield Park Skymark Project	$ 1,752,308
Roosevelt Borough	1341001-007	919	12	Homestead, Cedar and Elm Water Mains Project.	$ 600,000
Salem City	**1712001-004**	**144**	**3**	**Salem City Water Meter**	**$ 1,900,000**
Seaside Park Borough	1527001-003	1159	9	Water Asset Management Plan	$ 70,200
Seaside Park Borough	1527001-004	223	9	Well #10 Treatment Facility	$ 1,500,000
Ship Bottom Borough	1528001-002	302	9	Water main Replacement Project	$ 3,750,000

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

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
South Orange Village	0719001-001	1117	27	Well 17 Rehabilitation	$ 250,000
South Orange Village	0719001-003	1074	27	South Orange Ave and Holland Road Interconnection Rehabilitation	$ 150,000
South Orange Village	0719001-004	1072	27	Farrell Field (Walton Ave & Audley St.) Interconnection Rehab.	$ 150,000
South Orange Village	0719001-006	946	27	Repair or Replace Newstead Sphere	$ 1,950,000
South Orange Village	0719001-009	405	27	Scotland Road Water Mains	$ 4,100,000
South Orange Village	0719001-012	233	27	South Orange Newstead Watersphere Emergency Repairs	$ 640,000
South River Borough	1223001-003	1089	18	Rehabilitation of Borough Wells	$ 1,300,000
Spotswood Borough	1224001-001	212	14	Cleaning and lining of approximately 3,600 LF of water mains	$ 3,443,914
Spotswood Borough	1224001-002	1154	14	Water Master Pan	$ 85,265
Stafford Township	1530004-019	346	9	Mill Creek Water Main Replacement Phase II	$ 1,900,000
Trenton City	1111001-011	13	15	Lead Service Line Replacement	$ 20,340,000
Upper Deerfield Township	0613004-002	159	3	Seabrook Water Tower Replacement (Upper Deerfield)	$ 2,000,000
Vineland City	0614003-016	1023	1	Well No. 17 Treatment Facility	$ 9,000,000
Vineland City	0614003-017	217	1	2016 Water Distribution Rehabilitation Project	$ 3,100,000
Wall Township	1352003-001	200	30	Route 138 Water Main Improvements	$ 1,800,000
Wall Township	1352003-002	200	30	Route 34 Water Main Improvements	$ 3,700,000
Wallington Borough	0265001-002	377	36	Wallington Avenue Water Main	$ 2,600,000
West Deptford Township	0820001-004	884	3	Jessup Road Water Storage Tank Repair and Repainting	$ 3,300,000
Wildwood City	0514001-006	101	1	2019 Capital Improvements (Drinking Water)	$ 6,183,204

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

Applicant	Project No.	Current Rank	Legislative District	Project Description	Estimated Project Amount
Willingboro Municipal Utilities Authority	0338001-011	169	7,8	Well No. 6 Water Treatment Plant Upgrade	$ 10,621,600
Winslow Township	**0436007-010**	**997**	**4**	**Well #2 Filter Plant Upgrade**	**$ 3,100,000**
Woodbine Borough	0516001-001	92	1	WTP Upgrade and water main extension	$ 3,239,500
Woodland Heights Homeowners Association	1615022-001	933	8	Well Rehabilitation and System Improvements	$ 560,000
Base Amended SFY2021 DW Projects: #	**165**			**Subtotal:**	**$ 1,262,149,561**

TOTAL NUMBER OF PROJECTS (CW,DW, Pinelands and Supplemental):	**484**			**TOTAL PROJECT COSTS (CW,DW, Pinelands and Supplemental):**	**$ 4,901,086,667**

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

APPENDIX B - Drinking Water

SFY2021 Interim Drinking Water Financing Program
Project Priority List

Rank Order

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
4	Passaic Valley Water Commission	1605002-014	Phase I - Levine Reservoir Water Storage Improvements	$ 26,100,000
5	Newark City	0714001-020	Phase-2 Lead Service Line Replacement (LSLR) Project	$ 17,500,000
6	Newark City	0714001-019	Phase-1 Lead Service Line Replacement (LSLR)	$ 12,500,000
9	**Passaic Valley Water Commission**	**1605002-002**	**Lead Service Line Replacement in Main System**	**$ 26,500,000**
10	Newark City	0714001-021	Phase -3 Lead Service Line Replacement (LSLR) Project	$ 145,000,000
11	New Brunswick City	1214001-005	Water Treatment Plant Improvements	$ 15,500,000
12	Buttonwood Mobile Home Park	0301001-001	Buttonwood system	$ 318,000
13	Trenton City	1111001-011	Lead Service Line Replacement	$ 20,340,000
15	North Shore Water Association	1904004-001	Existing Well Requires Replacement	$ 500,000
17	Bloomfield Township	0702001-003	Lead Service Line Replacement	$ 1,098,395
18	NJ American Water Company, Incorporated	1345001-017	NJ American Water Lead Service Line Replacement Program	$ 10,100,000
20	Burlington City	0305001-002	Meter Replacement & Filter Rehabilitation	$ 3,600,000
23	Bloomfield Township	0702001-004	Interconnection Project	$ 2,600,000
31	Newark City	0714001-016	Pequannock Water Treatment Plant Rehab	$ 14,000,000
36	Old Bridge Municipal Utilities Authority	1209002-014	Perrine Road Carbon Absorber Facility	$ 1,750,000
37	Moorestown Township	0322001-001	North Church Street Water Treatment Plant Upgrade	$ 24,625,000
43	Brick Township Municipal Utilities Authority	1506001-011	Granular Activated Carbon Treatment Addition	$ 20,890,000
44	East Orange City	0705001-014	Water System Improvement and Resiliency Project 2017	$ 33,000,000
45	Newark City	0714001-017	Water Distribution System Upgrades	$ 2,000,000

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

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
64	North Jersey Dist. Water Supply Comm.	1613001-022	Low Lift Gas Pump **(SANDY)**	$ 17,000,000
64	North Jersey Dist. Water Supply Comm.	1613001-025	Purchase and Install New Dewatering System	$ 31,500,000
64	North Jersey Dist. Water Supply Comm.	1613001-032	Filter Bldg. Pipe Gallery Dehumidify	$ 3,600,000
77	East Greenwich	0803001-004	Installation of Filtration System at Well #3	$ 2,280,200
80	Jersey City Municipal Utilities Authority	0906001-017	Boonton Plant Centrifuge	$ 1,740,240
88	Jersey City Municipal Utilities Authority	0906001-027	Phase 6B Water Main Rehabilitation Project	$ 8,500,000
92	Woodbine Borough	0516001-001	WTP Upgrade and water main extension	$ 3,239,500
97	Newark City	0714001-018	Replacement of Water Distribution Mains	$ 5,150,000
100	Jersey City Municipal Utilities Authority	0906001-019	Route 139 Water Main Replacement Project	$ 6,700,000
101	Wildwood City	0514001-006	2019 Capital Improvements (Drinking Water)	$ 6,183,204
103	Little Egg Harbor Municipal Utilities Authority	1516001-005	Little Egg Harbor Water Improvements Phases I	$ 6,609,594
104	North Jersey Dist. Water Supply Comm.	1613001-026	Rehabilitation of Treatment Facility	$ 12,900,000
104	North Jersey Dist. Water Supply Comm.	1613001-031	Expansion of Aeriation System	$ 3,800,000
112	NJ American Water Company	1345001-021	Swimming River WTP 2nd Clearwell	$ 26,345,000
114	Camden City	0408001-022	Install potable wells/for elevations @ Morris Deair WTP	$ 1,400,000
117	Brick Township Municipal Utilities Authority	1506001-014	Water Main Replacement on Cartagena Drive, Al-Hamad Drive, Cadiz Drive, Valencia Drive and Monterey Drive	$ 3,600,000
119	Netcong Borough	1428001-007	Replace WM on Route 46, Extend WM on Route 80	$ 3,700,000
123	Manchester Township	1518005-002	Repaint and repair one MG elevated storage facility	$ 5,500,000
125	Lower Township Municipal Utilities Authority	0505002-003	Villas East Phase 2 and Lower Cape May Regional WM Extensions	$ 6,923,406
126	Hopatcong Borough	1912001-001	Hudson Avenue Water Main Installation	$ 1,000,000
127	Paulsboro Borough	0814001-003	Water Main Replacement	$ 2,800,000
128	Clementon Borough	0411001-001	Rehab of Gibbsboro Water Main	$ 500,000

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

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
134	North Jersey Dist. Water Supply Comm.	1613001-033	Basins 1-4 Flocculator Rehabilitation	$ 4,100,000
139	Middlesex Water Company	1225001-029	CJO Plant Upgrade - DBP Removal Treatment	$ 72,000,000
143	Freehold Borough	1315001-002	Water Plant Development	$ 6,440,000
144	**Salem City**	**1712001-005**	**Salem City Water Meter**	**$ 1,900,000**
153	Netcong Borough	1428001-008	Rehabilitate existing storage facilities	$ 1,100,000
155	NJ American Water Company, Incorporated	2004002-012	Oak Street Treatment Plant Improvements	$ 8,974,000
159	Upper Deerfield Township	0613004-002	Seabrook Water Tower Replacement (Upper Deerfield)	$ 2,000,000
162	Jersey City Municipal Utilities Authority	0906001-016	Large Valve Replacement Program- Phase 2	$ 7,321,200
163	Jersey City Municipal Utilities Authority	0906001-012	Water Main Replacement	$ 18,000,000
163	Jersey City Municipal Utilities Authority	0906001-025	Phase 1 & 2 Water Main Replacement Project	$ 19,511,200
163	Jersey City Municipal Utilities Authority	0906001-026	5-B Water Project	$ 7,320,000
169	Willingboro Municipal Utilities Authority	0338001-011	Well No. 6 Water Treatment Plant Upgrade	$ 10,621,600
173	Jersey City Municipal Utilities Authority	0906001-009	Burma Road Area Water System Improvements	$ 2,770,000
173	Jersey City Municipal Utilities Authority	0906001-010	Journal Square North Cleaning	$ 16,900,000
175	Jersey City Municipal Utilities Authority	0906001-018	Tunneled Avenue Water Main Replacement and Relining	$ 7,442,800
176	Jersey City Municipal Utilities Authority	0906001-006	Transmission Main Install	$ 19,000,000
188	NJ American Water Company, Incorporated	1345001-019	NJ American Water Lead Service Line Replacement Program	$ 60,000,000
193	Middlesex Water Company	1225001-028	RENEW 2018 - Woodbridge Twp.	$ 11,200,000
195	Old Bridge Municipal Utilities Authority	1209002-005	Laurence Harbor Water System Upgrade, Phase 1	$ 2,500,000
197	Hoboken City	0905001-002	Water Main Upgrades	$ 8,000,000
200	Wall Township	1352003-001	Route 138 Water Main Improvements	$ 1,800,000
200	Wall Township	1352003-002	Route 34 Water Main Improvements	$ 3,700,000
209	Clinton Town	1005001-010	West Main Street Water Main Replacement Project	$ 1,448,187
209	Clinton Town	1005001-011	Glen Eagles Dr, Muirfield Ln, and Heather Hill Way WM Replacement	$ 1,265,807

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

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
211	Manchester Utilities Authority	1603001-001	Heights Tank Rehabilitation	$ 500,000
212	Spotswood Borough	1224001-001	Cleaning and lining of approximately 3,600 LF of water mains	$ 3,443,914
213	Glen Ridge Borough	0708001-008	Replace Lead Service Line/ Hydrants & Water System AMP	$ 2,573,210
214	Netcong Borough	1428001-009	Meter Upgrades	$ 400,000
217	Vineland City	0614003-017	2016 Water Distribution Rehabilitation Project	$ 3,100,000
223	Seaside Park Borough	1527001-004	Well #10 Treatment Facility	$ 1,500,000
225	Jersey City Municipal Utilities Authority	0906001-023	Phase 5A Water Project	$ 9,300,000
225	Jersey City Municipal Utilities Authority	0906001-024	Phase 2A Water	$ 11,640,000
228	Jersey City Municipal Utilities Authority	0906001-020	Phase 3 and 4 Water Main Replacement Project	**$ 6,620,000**
228	Jersey City Municipal Utilities Authority	0906001-021	Phase 5 Water Mains	$ 9,100,000
231	Jackson Township Municipal Utilities Authority	1511001-013	Six Flags Great Adventure Water Treatment Plant Replacement	$ 20,000,000
233	South Orange Village	0719001-012	South Orange Newstead Water sphere Emergency Repairs	$ 640,000
235	Berkeley Township Municipal Utilities Authority	1505004-009	Installation of New Well #4 with WM to Connect to WTP	$ 2,500,000
241	Allentown Borough	1302001-004	Water Treatment Plant Improvements	$ 2,328,960
243	North Jersey Dist. Water Supply Comm.	1613001-034	Modify and Expand Central Receiving Building	$ 1,600,000
245	Jersey City Municipal Utilities Authority	0906001-015	Van Winkle Ave. Water Main Replacement	$ 3,589,266
249	Brick Township Municipal Utilities Authority	1506001-008	Undersized Water Main Replacement Cedar Park East and West	$ 6,550,000
250	Hoboken City	0905001-001	Washington St. Water Main / Green Infrastructure Drainage Improv.	$ 8,500,000
252	Kearny Town	0907001-001A	Water Facility and ground Improv. program	$ 29,000,000
254	Jackson Township Municipal Utilities Authority	1511001-010	Demolition of Facilities, Replace Storage Tank, Well #3	$ 8,200,000
262	Jersey City Municipal Utilities Authority	0906001-028	Dam Security Improvements	$ 1,700,000

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

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
272	Middlesex Water Company	1225001-027	RENEW 2019 - Carteret	$ 11,200,000
301	Hightstown Borough	1104001-010	2017 Water Main Improvements	$ 1,775,678
302	Ship Bottom Borough	1528001-002	Water main Replacement Project	$ 3,750,000
306	Oak Ridge Senior Housing Community	1414008-001	Water Line Upgrades	$ 530,300
307	**Passaic Valley Water Commission**	**1605002-001**	**Subsurface Exploratory Investigation for Determination of Lead Service Lines**	**$ 5,200,000**
309	Middlesex Water Company	1225001-025	Western Transmission Main	$ 57,000,000
313	Eve sham Municipal Utilities Authority	0313001-001	Wells 13 Treatment Improvements	$ 2,600,000
318	Moorestown Township	0322001-002	Hartford Road Water Treatment Plant Upgrade	$ 15,240,000
324	Long Beach Township	1517001-502	Raise Well 4, reconstruct filter room & pumps	$ 11,500,000
340	Atlantic City Municipal Utilities Authority	0102001-010	Asset Management Plan - Professional Consulting Services In Compliance With The New Jersey Water Quality Accountability Act	$ 150,000
342	Brick Township Municipal Utilities Authority	1506001-009	Breton Woods Water Main Replacement - Phase I	$ 5,928,760
343	Brick Township Municipal Utilities Authority	1506001-010	Hydrant Replacement in Baywood Section	$ 1,160,000
346	Stafford Township	1530004-019	Mill Creek Water Main Replacement Phase II	$ 1,900,000
353	Milltown Borough	1212001-002	Ford Ave Redevelopment	$ 1,606,000
355	Clementon Borough	0411001-002	Rehab of well 9 including slip lining to improve conveyance	$ 1,400,000
356	Flemington Borough	1009001-009	Water Tank Construction and Various Improvements	$ 4,500,000
357	Hamburg Borough	1909001-002	Water Storage Tank Rehabilitation	$ 1,100,000
363	Brick Township Municipal Utilities Authority	1506001-013	Water Main Stream Crossings Replacements at Various locations	$ 4,188,419
364	Bayonne Municipal Utilities Authority	0901001-006	Aqueduct Replacement	$ 12,000,000
366	Monroe Municipal Utilities Authority	0811002-001	Tank Painting	$ 2,300,000

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

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
371	Deptford Township Municipal Utilities Authority	0802001-002	Water Main Replacement at East Woodbury	$ 1,550,000
371	Deptford Township Municipal Utilities Authority	0802001-003	Water Main Replacement at Country Club Estates	$ 1,200,000
377	Wallington Borough	0265001-002	Wallington Avenue Water Main	$ 2,600,000
381	Lakehurst Borough	1513001-002	Water Main Replacement Project Phase I	**$ 1,200,000**
392	NJ American Water Company, Incorporated	0712001-016	RM WTP Emergency Generator	$ 6,576,000
396	**Perth Amboy City**	**1216001-005**	**The Installation Of A New Standby Generator At The Runyon Water Treatment Plant**	**$ 1,100,000**
396	Perth Amboy City	1216001-500	Install New Stand-by Generator for Runyon Water Treat. Plant **(SANDY)**	$ 2,750,000
405	South Orange Village	0719001-009	Scotland Road Water Mains	$ 4,100,000
882	East Windsor Municipal Utilities Authority	1101002-005	Twin Rivers (H section) Water Main Replacement Project	$ 2,000,000
884	West Deptford Township	0820001-004	Jessup Road Water Storage Tank Repair and Repainting	$ 3,300,000
891	Clinton Town	1005001-006	Lebanon Borough WM Replacements - Phase II through Phase V	$ 4,300,000
891	Clinton Town	1005001-012	WQAA Implementation - Water Infrastructure Audit and Upgrades	$ 3,500,000
897	Long Beach Township	1517001-015	Water Main Replacement Project	$ 4,159,201
905	Milltown Borough	1212001-005	Water Storage Tank Rehabilitation	$ 1,800,000
909	Allentown Borough	1302001-002	Elevated Water Tank Improvements	$ 549,100
919	Roosevelt Borough	1341001-007	Homestead, Cedar and Elm Water Mains Project.	$ 600,000
925	Aberdeen Township	1330004-001	Woodfield Area Water System Rehabilitation	$ 3,900,000
933	Woodland Heights Homeowners Association	1615022-001	Well Rehabilitation and System Improvements	$ 560,000
935	NJ American Water Company, Incorporated	2004002-013	Howell-Lakewood Transmission Main	$ 16,000,000
944	Jackson Township Municipal Utilities Authority	1511001-012	Western Water Main Extension	$ 11,000,000
946	South Orange Village	0719001-006	Repair or Replace Newstead Sphere	$ 1,950,000
950	Freehold Borough	1315001-003	Replacement of Well No. 3	$ 2,152,400

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

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
951	Manchester Utilities Authority	1603001-003	High Service Pump Station Replacement	$ 2,000,000
965	Marlboro Township	1328002-003	Beacon Hill storage tank Rehab	$ 1,714,000
973	Oakland Borough	0220001-004	Rehab of Iroquois Pumping Station	$ 3,133,000
975	Clinton Town	1005001-013	Foster Wheeler Booster Pump Station Modifications - Asset Management Planning	$ 3,000,000
978	Brigantine City	0103001-501	Installation of generators @ well **(SANDY)**	$ 2,900,000
981	Brielle Borough	1308001-004	Brielle Drinking Water Storage Tank Project	$ 2,460,000
992	Jackson Township Municipal Utilities Authority	1511001-011	Improvements to Manhattan St Complex, Garage & Admin Bldg.	$ 1,600,000
997	**Winslow Township**	**0436007-010**	**Well #2 Filter Plant Upgrade**	**$ 3,100,000**
1005	Mount Arlington Borough	1426005-001	Mount Arlington Asset Management Plan	$ 250,285
1014	Brielle Borough	1308001-005	Old Bridge Road Elevated Water Storage Tank	$ 3,600,000
1019	Brick Township Municipal Utilities Authority	1506001-012	Meter Replacement	$ 5,420,000
1023	Vineland City	0614003-016	Well No. 17 Treatment Facility	$ 9,000,000
1028	Oakland Borough	0220001-003	diesel generator for well 9 **(SANDY)**	$ 3,133,000
1038	Hampton Borough	1013001-001	New back up well 5 to address firm capacity requirements	$ 1,800,000
1060	Highbridge Borough	1014001-002	Improvements to water system	$ 1,076,758
1061	Hardyston Municipal Utility Authority	1911006-001	Water Meter Replacement	$ 477,400
1066	**Passaic Valley Water Commission**	**0231001-001**	**Subsurface Exploratory Investigation for Determination of Lead Service Lines in the Lodi System**	**$ 1,500,000**
1072	South Orange Village	0719001-004	Farrell Field (Walton Ave & Audley St.) Interconnection Rehab.	$ 150,000
1074	South Orange Village	0719001-003	South Orange Ave and Holland Road Interconnection Rehabilitation	$ 150,000
1079	Little Egg Harbor Municipal Utilities Authority	1516001-003	Water Treatment Plant at Mathis town Road (SANDY)	$ 5,525,000
1089	South River Borough	1223001-003	Rehabilitation of Borough Wells	$ 1,300,000
1096	National Park Borough	0812001-004	Replacement of Wells 5 & 6	$ 1,700,000
1097	Ocean Gate Borough	1521001-003	Well Water Construction/Drilling a new well	$ 720,000

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

Current Rank	Applicant	Project No.	Project Description	Estimated Project Amount
1110	Oakland Borough	0220001-002	Replace 4600 water meters	$ 3,133,000
1111	Clinton Town	1005001-007	Replace Water Meters	$ 4,277,804
1117	South Orange Village	0719001-001	Well 17 Rehabilitation	$ 250,000
1121	Hopatcong Borough	1912001-004	Small System Asset Management	$ 100,000
1122	Hamburg Borough	1909001-001	Small System Asset Management	$ 85,000
1125	Marlboro Township	1328002-004	New Stand-by Well 5A	$ 1,385,000
1128	Oakland Borough	0220001-001	Construct new well 10A as backup for well 10	$ 3,133,000
1132	Harvey Cedars Borough	1509001-002	Installation of a Water Monitoring Well	$ 1,100,000
1152	**Passaic Valley Water Commission**	**0239001-001**	**Subsurface Exploratory Investigation for Determination of Lead Service Lines in the North Arlington System**	**$ 2,000,000**
1153	Ridgefield Park Village	0238001-002	Village of Ridgefield Park Skymark Project	$ 1,752,308
1154	Spotswood Borough	1224001-002	Water Master Pan	$ 85,265
1158	Highbridge Borough	1014001-001	Asset Management Plan for the High Bridge Water System	$ 100,000
1159	Seaside Park Borough	1527001-003	Water Asset Management Plan	$ 70,200
1163	Hardyston Municipal Utility Authority	1911006-003	Asset Management Plan	$ 100,000
	Base Amended SFY2021 DW Projects: #	**165**	**Subtotal**	**$ 1,262,149,561**

	TOTAL NUMBER OF PROJECTS (CW,DW, Pinelands and Supplemental):	**484**	**TOTAL PROJECT COSTS (CW,DW, Pinelands and Supplemental):**	**$ 4,901,086,667**

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

Appendix C
SAIL
Projects financed through the **S**tatewide **A**ssistance **I**nfrastructure **L**oan Program
(Disaster Relief Emergency Financing Program)

Through December 31, 2019

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

Project #	Project Sponsor	Description	Loan Closing Date	Loan Amount
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
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*

*Estimated total project cost for S340689-40 is $113,283,451, amount financed as of 12/31/19 is $13,217,254

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Appendix D

Emergency Loan Program Guidance Document

Introduction

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

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

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

Project Notification Procedure.

The affected system must notify:

Drinking Water Projects:

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

Clean Water Projects:

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

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

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

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

Appendix E

State Fiscal Year 2019 Financing Program Summary

New Jersey Environmental Infrastructure Financing Program						
Fiscal Year 2019 Financing Program Summary						
	Funding Received prior to SFY2019	**New Funds Received in SFY2019**				
Borrower	**Previously Reported ST Loans (not part of SFY2019 Funding)**	**New Short Term Loans**	**New LT Loans and Adjustments to Prior ST Loans**	**Net new Funding in SFY2019**	**LT Financing Received in SFY2019**	**Project Description**
Allentown Borough		$500,000		$500,000		**Project No. S340 567-06.** Water meter replacement
Atlantic County UA	$488,637		($198,724)	($198,724)	$289,913	**Project No. S340 809-24 (DRAA).** Pump station resiliency
Atlantic County UA	$3,664,280		($259,605)	($259,605)	$3,404,675	**Project No. S340 809-28.** Sewer sludge incinerator improvements
Atlantic County UA			$241,250	$241,250	$241,250	**Project No. S340 809-25A.** Construction of seawall
Atlantic County UA			$3,891,300	$3,891,300	$3,891,300	**Project No. S340 809-25B.** Construction of seawall
Bayshore RSA	$15,031,324		($11,542,857)	($11,542,857)	$3,488,467	**Project No. S340 697-06.** Restoration/mitigation of blower building and power distribution system **(SAIL)**
Bellmawr Borough			$899,009	$899,009	$899,009	**Project No. W0404001-006 (Nano).** Improvements to Borough's drinking water infrastructure including replacement of fire hydrants, replacement of three water mains and assorted valve replacements.
Bordentown City			$682,544	$682,544	$682,544	**Project No. W0303001-008.** Replacement of HVAC dehumidification units and electrical system upgrades in existing filtration building.
Brick Twp MUA		$860,669		$860,669		**Project No. W1506001-010.** Replacement of approximately 100 fire hydrants within the Baywood section of the Township of Brick.
Brick Twp MUA		$5,278,297		$5,278,297		**Project No. S340 448-11.** Wastewater pump station rehab - Phase II

	Funding Received prior to SFY2019	New Funds Received in SFY2019				
Borrower	**Previously Reported ST Loans (not part of SFY2019 Funding)**	**New Short Term Loans**	**New LT Loans and Adjustments to Prior ST Loans**	**Net new Funding in SFY2019**	**LT Financing Received in SFY2019**	**Project Description**
Brick Twp MUA		$3,000,000		$3,000,000		**Project No. W1506001-009.** Replacement of galvanized steel and cast iron water mains that do not meet current NJDEP standards and residential site improvement standards with ductile iron pipe with polywrap corrosion protection and polyethylene services with meter pits. Existing water mains will be abandoned in place.
Burlington City			$1,068,750	$1,068,750	$1,068,750	**Project No. S340 140-01.** Stormwater pump upgrades
Burlington Twp			$709,767	$709,767	$709,767	**Project No. S340 712-16.** Sanitary sewer rehabilitation.
Camden County MUA		$2,005,428		$2,005,428		**Project No. S340 640-22.** Upgrades to Camden's CSO system to increase wet weather conveyance capacity.
Camden County MUA		$4,200,000		$4,200,000		**Project No. S340 640-23.** Dredging of Camden City's CSO system to reduce sewage flooding.
Camden County MUA		$10,226,713		$10,226,713		**Project No. S340 640-13.** Upgrades to four existing raw sewage pumps including replacement of existing motors, replacement of existing variable speed drives, replacement pump casings and rotating assemblies.
Camden County MUA		$3,785,476		$3,785,476		**Project No. S340 640-24.** Upgrades to CCMUA's wastewater treatment plant to enable it to receive more wet weather flow and thereby reduce combined sewage flooding and overflows in Camden City and Gloucester City. Includes modification to primary sedimentation tanks and outfall
Camden County MUA (CSO)		$7,260,546		$7,260,546		**Project No. S340 640-16.** Wastewater treatment plant improvements
Chatham Borough (JM)		$165,137		$165,137		**Project No. S340 715-07A.** Improvements to water pollution control facility

	Funding Received prior to SFY2019	New Funds Received in SFY2019				
Borrower	**Previously Reported ST Loans (not part of SFY2019 Funding)**	**New Short Term Loans**	**New LT Loans and Adjustments to Prior ST Loans**	**Net new Funding in SFY2019**	**LT Financing Received in SFY2019**	**Project Description**
Cinnaminson SA	$751,544		($8,467)	($8,467)	$743,077	**Project No. S340 170-08.** Sewer extension to properties currently using septic systems
Clinton Town		$719,969		$719,969		**Project No. S340 924-07.** System-wide customer meter replacement
Cranford Twp		$2,578,383		$2,578,383		**Project No. S340 858-04.** Stormwater construction to improve drainage and prevent flooding
East Greenwich Twp		$310,000		$310,000		**Project No. W0803001-004 (Nano).** Installation of filtration system for PFC removal
Elizabeth City	$2,132,483		$1,023,255	$1,023,255		**Project No. S345 070-01.** Long term control plan to minimize future sewer overflows
Elizabeth City		$5,320,111		$5,320,111		**Project No. S340 942-17.** Flood control plan including installation of new sewers and conduit for storage
Evesham MUA		$1,915,662		$1,915,662		**Project No. W0313001-001.** Water treatment improvements including iron removal
Franklin Twp SA		$1,746,857		$1,746,857		**Project No. S340 839-07.** Reduction of extraneous infiltration and inflow to collection system
Glen Ridge Borough		$1,856,145		$1,856,145		**Project No. S340 861-04.** Sanitary sewer rehabilitation and sanitary sewer collection system asset management plan
Gloucester City	$1,262,765		($387,495)	($387,495)	$875,270	**Project No. S340 958-08.** Removal and replacement of combined sewer mains
Gloucester City	$595,027		($61,008)	($61,008)	$534,019	**Project No. W0414001-022.** Replacing deteriorated water mains
Gloucester County IA		$5,100,000		$5,100,000		**Project No. S342 016-03. C**onstruction of landfill with Soil and Sediment Control Plan to mitigate adverse impacts on site hydrology
Gloucester CUA	$41,605,911		($365,433)	($365,433)	$41,240,478	**Project No. S340 902-14.** Upgrade bio-solids handling facility to anaerobic digestion with combined heat and power generation
Hamburg Borough		$85,000		$85,000		**Project No. W1909001-001 (SS - AMP).** Preparation of water system asset management plan

	Funding Received prior to SFY2019	New Funds Received in SFY2019				
Borrower	**Previously Reported ST Loans (not part of SFY2019 Funding)**	**New Short Term Loans**	**New LT Loans and Adjustments to Prior ST Loans**	**Net new Funding in SFY2019**	**LT Financing Received in SFY2019**	**Project Description**
Hampton Borough		$930,445		$930,445		**Project No. W1013001-001 (Nano).** Construction of backup well to address capacity requirements
Hardyston MUA		$84,840		$84,840		**Project No. W1911006-003 (SS - AMP).** Water system asset management plan
High Bridge Borough		$100,000		$100,000		**Project No. W1014001-001 (SS - AMP).** Water system asset management plan
Hoboken City	$31,402,264		$35,500,000	$35,500,000		**Project No. S340 635-06.** Development of green infrastructure park and sub-surface stormwater storage
Hopatcong Borough		$100,000		$100,000		**Project No. W1912001-004 (SS - AMP).** Water system asset management plan
Howell Twp		$12,076,776		$12,076,776		**Project No. S344 040-02 (BB).** Extend sanitary sewer service
Jersey City MUA		$3,116,740		$3,116,740		**Project No. W0906001-015.** Water main replacement
Jersey City MUA	$6,283,246		($99,210)	($99,210)	$6,184,036	**Project No. S340 928-19.** Construction of new wet weather pumping stations
Jersey City MUA		$2,286,447		$2,286,447		**Project No. S340 928-28.** Improvement to existing combined sewer system removing inflow/infiltration
Jersey City MUA		$9,255,147		$9,255,147		**Project No. S340 928-31.** Sewer pipe replacement
Jersey City MUA		$5,280,963		$5,280,963		**Project No. W0906001-019.** Water main replacement
Jersey City MUA (CSO - green)	$394,384		($102,178)	($102,178)	$292,206	**Project No. S340 928-22.** Replace deteriorating sidewalk with pervious surfaces to recharge groundwater
Kearny MUA	$6,441,376		($4,985,505)	($4,985,505)	$1,455,871	**Project No. S340 259-07.** Replace pump and associated equipment to increase operational reliability of pump station. **(SAIL)**
Kearny Town		$14,090,909		$14,090,909		**Project No. S340 259-12.** Redevelopment of complex including stormwater management components

	Funding Received prior to SFY2019	New Funds Received in SFY2019				
Borrower	**Previously Reported ST Loans (not part of SFY2019 Funding)**	**New Short Term Loans**	**New LT Loans and Adjustments to Prior ST Loans**	**Net new Funding in SFY2019**	**LT Financing Received in SFY2019**	**Project Description**
Lakewood Twp MUA		$1,440,000		$1,440,000		**Project No. S340 465-03.** Adding office and storage space to existing administration building
Little Egg Harbor MUA		$3,320,000		$3,320,000		**Project No. W1516001-003.** Construction of new water treatment plant
Little Egg Harbor Twp		$4,050,329		$4,050,329		**Project No. S344 060-02 (BB).** Remove and replace stormwater drainage collection system
Long Beach Twp	$1,258,067		($18,859)	($18,859)	$1,239,208	**Project No. W1517001-501 (Nano/non-Nano).** Demolish and replace damaged water pump room
Long Beach Twp		$9,541,057		$9,541,057		**Project No. W1517001-502 (Nano).** Reconstruct filter room and pumps
Lower Twp MUA		$3,112,198		$3,112,198		**Project No. W0505002-003.** Regional water main extensions
Madison Borough (JM)		$288,535		$288,535		**Project No. S340 715-07B.** Improvements of water pollution control facility infrastructure
Manchester Twp		$2,614,425		$2,614,425		**Project No. S340 650-08.** Install automated water meters
Mantua Twp MUA	$1,456,460		($22,312)	($22,312)	$1,434,148	**Project No. W0810004-002.** Construction of a new well and well building
Mantua Twp MUA	$1,269,636		($19,455)	($19,455)	$1,250,181	**Project No. W0810004-003.** Water tank rehabilitation
Middlesex Borough		$1,381,868		$1,381,868		**Project No. S340 698-02.** Sanitary sewer main improvements
Middlesex County UA	$35,208,623		($19,008,801)	($19,008,801)	$16,199,822	**Project No. S340 699-13.** Replacement of mechanical and electrical components at pump station. **(SAIL)**
Middlesex County UA		$10,118,868		$10,118,868		**Project No. S340 699-14.** Rehabilitation of main trunk sewer
Middlesex Water Company		$43,474,714		$43,474,714		**Project No. W1225001-025.** Construction of large diameter transmission main
Middlesex Water Company		$8,656,747		$8,656,747		**Project No. W1225001-028.** Replacement of water main
Milltown Borough		$1,450,000		$1,450,000		**Project No. W1212001-005.** Water storage tank rehabilitation

	Funding Received prior to SFY2019	New Funds Received in SFY2019				
Borrower	**Previously Reported ST Loans (not part of SFY2019 Funding)**	**New Short Term Loans**	**New LT Loans and Adjustments to Prior ST Loans**	**Net new Funding in SFY2019**	**LT Financing Received in SFY2019**	**Project Description**
Monmouth County BOA		$1,641,447		$1,641,447		**Project No. S340 325-04.** Force main rehabilitation project
Montclair Twp		$829,000		$829,000		**Project No. S340 837-03.** Sanitary sewer collection system rehabilitation
Mt Arlington Borough		$159,456		$159,456		**Project No. S340 451-05 (SS - AMP).** Development of asset management plan for sewer system improvements
Mt Arlington Borough		$165,836		$165,836		**Project No. W1426005-001 (AMP).** Development of asset management plan
National Park Borough		$1,495,000		$1,495,000		**Project No. W0812001-004 (Nano).** Replacement of two wells
Netcong Borough	$301,230		$428,354	$428,354		**Project No. W1428001-008 (Nano).** Cleaning and lining of water mains, water main upgrades, and replacing fire hydrants
Newark City	$6,005,901		($47,484)	($47,484)	$5,958,417	**Project No. S340 815-22.** Installation of end of pipe netting facilities
Newark City		$4,698,840		$4,698,840		**Project No. W0714001-018.** Replacement of water distribution mains
Newark City		$12,296,528		$12,296,528		**Project No. W0714001-019 (LSLR).** Lead service line replacement
Newark City		$12,746,105		$12,746,105		**Project No. S340 815-24.** Evaluation of rehabilitation of small diameter sewers
NJ Water Supply Auth		$15,224,595		$15,224,595		**Project No. S340 421-02.** Refurbish reservoir structure
North Brunswick Twp		$5,427,000		$5,427,000		**Project No. S340 888-02.** Water meter replacement
North Hudson SA	$1,200,000		($8,911)	($8,911)	$1,191,089	**Project No. S340 952-28.** Cleaning and lining of combined sewers
North Hudson SA		$17,500,000		$17,500,000		**Project No. S340 952-30.** Install of various wastewater treatment system components
North Hudson SA (LTCP)	$3,000,000		$675,301	$675,301		**Project No. S345 190-01.** Preparation of long term control plan to minimize sewer overflows

	Funding Received prior to SFY2019	New Funds Received in SFY2019				
Borrower	**Previously Reported ST Loans (not part of SFY2019 Funding)**	**New Short Term Loans**	**New LT Loans and Adjustments to Prior ST Loans**	**Net new Funding in SFY2019**	**LT Financing Received in SFY2019**	**Project Description**
North Jersey District WSC	$1,064,196		$8,790,243	$8,790,243		**Project No. W1613001-022.** Replace sedimentation basin with high rate clarifiers
Northwest Bergen CUA	$2,301,788		($32,540)	($32,540)	$2,269,248	**Project No. S340 700-13.** Improvements to waste activate sludge and aeration system
Northwest Bergen CUA		$6,516,744		$6,516,744		**Project No. S340 700-15.** Wastewater pump station improvements
Northwest Bergen CUA		$3,900,000		$3,900,000		**Project No. S340 700-16.** Wastewater treatment plant improvements
Northwest Bergen CUA		$379,232	$711,604	$1,090,836		**Project No. S340 700-18.** Interceptor system rehabilitation and purchase of related equipment
Northwest Bergen CUA		$101,000		$101,000		**Project No. S340 700-19.** Interceptor rehabilitation
Ocean County UA		$2,604,099		$2,604,099		**Project No. S340 372-58.** Interceptor system rehabilitation
Ocean County UA		$6,813,604		$6,813,604		**Project No. S340 372-59.** Area wide clarifier rehabilitation
Ocean County UA		$668,003		$668,003		**Project No. S340 372-60.** Interceptor system rehabilitation
Ocean Twp SA		$3,500,000		$3,500,000		**Project No. S340 750-12.** Pump station reconstruction
Old Bridge MUA			$2,826,091	$2,826,091	$2,826,091	**Project No. W1209002-013.** Water main rehabilitation
Old Bridge MUA		$3,290,000		$3,290,000		**Project No. S340 945-14.** Sewage pump station improvements
Passaic Valley SC	$919,075		($11,594)	($11,594)	$907,481	**Project No. S340 689-34.** Waste pump station improvements
Paulsboro Borough		$2,209,814		$2,209,814		**Project No. S340 164-01**. Replace storm sewer
Paulsboro Borough		$635,400		$635,400		**Project No. W0814001-003.** Water main replacement
Pennington Borough	$862,260		($233,875)	($233,875)	$628,385	**Project No. W1108001-002 (Nano).** Water distribution upgrades
Perth Amboy City			$1,387,474	$1,387,474	$1,387,474	**Project No. S340 435-18.** Replacement of water meters

	Funding Received prior to SFY2019	New Funds Received in SFY2019				
Borrower	**Previously Reported ST Loans (not part of SFY2019 Funding)**	**New Short Term Loans**	**New LT Loans and Adjustments to Prior ST Loans**	**Net new Funding in SFY2019**	**LT Financing Received in SFY2019**	**Project Description**
Perth Amboy City		$350,000		$350,000		**Project No. S340 435-11.** Improve system resiliency, replace pumps and relocate electrical equipment
Perth Amboy City (CSO - green)			$358,986	$358,986	$358,986	**Project No. S340 435-13.** Installation of porous pavement
Perth Amboy City (LTCP)		$665,156		$665,156		**Project No. S345 220-01.** Preparation for combined sewer overflow long term control plan
Plumsted Twp	$1,250,000		$15,828,746	$15,828,746		**Project No. S340 607-03.** Advanced wastewater treatment and collection system
Point Pleasant Beach Borough		$1,540,650		$1,540,650		**Project No. S340 479-04.** Water meter replacement
Raritan Twp MUA		$3,904,852		$3,904,852		**Project No. S340 485-12.** Treatment plant improvements including influent pump station upgrades and clarifier refurbishment
Red Bank Borough	$1,749,805		($25,445)	($25,445)	$1,724,360	**Project No. W1340001-002.** Water plant improvements
Rockaway Valley RSA	$6,470,073		($4,192,859)	($4,192,859)	$2,277,214	**Project No. S340 821-06.** Trunk sewer replacement
Rockaway Valley RSA	$1,866,402		($175,017)	($175,017)	$1,691,385	**Project No. S340 821-09.** Repair of sewer interceptor
Rockaway Valley RSA		$738,042		$738,042		**Project No. S340 821-06-1.** Supplemental loan for trunk sewer replacement
Rutgers, The State University of NJ		$365,822		$365,822		**Project No. S340 500-01.** Cogeneration plant upgrade
Somerset Raritan Valley SA	$14,135,291		($2,839,626)	($2,839,626)	$11,295,665	**Project No. S340 801-08.** Rehabilitation of sludge incinerator
Somerset Raritan Valley SA		$33,000,000		$33,000,000		**Project No. S340 801-07.** Stormwater control facility to eliminate sewage discharge
Somerville Borough	$3,943,224		($558,710)	($558,710)	$3,384,514	**Project No. S342 013-01.** Remediation and closure of landfill and installation of stormwater management measures
Toms River MUA		$387,427		$387,427		**Project No. S340 145-06.** Purchase of equipment to support site inspection
Tuckerton Borough	$1,405,206		($80,065)	($80,065)	$1,325,141	**Project No. S340 034-03.** Sewer main replacement

	Funding Received prior to SFY2019	New Funds Received in SFY2019				
Borrower	**Previously Reported ST Loans (not part of SFY2019 Funding)**	**New Short Term Loans**	**New LT Loans and Adjustments to Prior ST Loans**	**Net new Funding in SFY2019**	**LT Financing Received in SFY2019**	**Project Description**
Tuckerton Borough	$1,120,766		($312,621)	($312,621)	$808,145	**Project No. W1532002-006 (Nano).** Water main replacement
Vernon Twp		$100,000		$100,000		**Project No. S340 745-03 (SS - AMP).** Pump station asset management plan
Wall Twp		$1,291,525		$1,291,525		**Project No. W1352003-001.** Water main improvements
Wall Twp		$2,900,000		$2,900,000		**Project No. W1352003-002.** Water main improvements
Warren Twp SA		$1,805,202		$1,805,202		**Project No. S340 964-05.** Sewer collection system rehabilitation
West Deptford Twp		$1,384,468		$1,384,468		**Project No. S340 947-05.** Replacement of pump stations
Western Monmouth UA		$6,480,000		$6,480,000		**Project No. S340 128-05.** Pump station and force main replacement
Western Monmouth UA		$12,843,750		$12,843,750		**Project No. S340 128-06.** Sewage treatment plant improvements
Total	**$196,841,244**	**$364,243,998**	**$29,424,018**	**$393,668,016**	**$ 124,157,586**	

	New Short Term Loans	New LT Loans and Adjustments to Prior ST Loans	Net new Funding in SFY2019
S/T and L/T Loans	**$364,955,602**	**$28,712,414**	$393,668,016
Adjustments for SAIL and other FEMA reimbursed Projects	**$0**	**$35,360,140**	$35,360,140
SFY2019 Water Bank Loan Production	**$364,955,602**	**$64,072,554**	**$429,028,156**