New Jersey's Environmental Infrastructure Financing Program

FINAL

Clean Water State Revolving Fund Intended Use Plan for Federal Fiscal Year 2018 (and State Fiscal Year 2019)

and

Drinking Water State Revolving Fund Intended Use Plan for Federal Fiscal Year 2018 (and State Fiscal Year 2019)

and

Drinking Water State Revolving Fund Intended Use Plan for Federal Fiscal Year 2019 (and State Fiscal Year 2020)

New Jersey Department of Environmental Protection
Water Resource Management
Division of Water Quality
Municipal Finance and Construction Element
Division of Water Supply and Geoscience
Water System Operations Element

March 2019

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The Priority System/Intended Use Plan (IUP) document must be developed annually, undergo a public participation process and be approved by the US Environmental Protection Agency for the State to qualify for State Revolving Fund (SRF) capitalization grants to support the New Jersey Environmental Infrastructure Financing Program ("Water Bank").

The federal fiscal year (FFY) 2018 CWSRF and DWSRF IUPs were proposed in November 2017 with a 30-day comment period. The FFY2018 proposed IUP provided information on how clean water and drinking water funds, available through the NJ Department of Environmental Protection (DEP) and the NJ Infrastructure Bank (I-Bank), would be used to provide financial assistance for clean water and drinking water projects and identified State policies governing loan awards.

> "The New Jersey Water Bank is a partnership to… provide low-cost financing for the design, construction, and implementation of projects that help to protect, maintain and improve water quality."

The financing packages for Drinking Water State Revolving Funds (DWSRF) projects originally published in the Proposed FFY2018 IUP (November 2017), were re-proposed with amendments in September 2018 along with publication of the proposed FFY2019 IUP. In December 2018, the DWSRF FFY2018 and FFY2019 IUPs were revised to incorporate supplemental amendments based on comments received in October 2018. No further changes have been made as a result of comments received on the supplemental amendments (December 2018). The Final DWSRF FFY2018 and FFY2019 IUPs are described in detail in this document.

No changes were made to the Clean Water SRF program, as described in the proposed FFY2018 IUP. The CWSRF FFY2018 IUP is finalized with no changes. The FFY2019/State Fiscal Year (SFY) 2020 CWSRF IUP was proposed and finalized in a separate document. See www.nj.gov/dep/dwq/cwpl.htm.

The DEP continues to highlight the SFY2019 Clean Water (CWSRF) plan to utilize any unallocated principal forgiveness funds carried over at the end of SFY18 in accordance with the FFY2017 IUP and supplement those principal forgiveness funds with additional principal forgiveness as follows:

- $1 million for small system asset management planning, capped at $100K per sponsor;
- $3 million for stormwater and nonpoint source projects in the Barnegat Bay Watershed, capped at $2 million per sponsor; and
- $6 million for CSO-Green Infrastructure, capped at $2 million per sponsor.

Executive Summary

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

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

The priorities and policies of the NJ Water Bank are established through this IUP. Projects eligible for financing include a wide variety of wastewater treatment works, stormwater management, drinking water systems, land acquisition, and landfill activities.

The NJ Water Bank will continue to offer very attractive low-cost financing packages, including principal forgiveness (or grant-like funding), interest-free loans, and low interest loans for high priority projects. The CWSRF NJ Water Bank base program will continue to consist of 75% funding from the DEP at 0% interest and 25% funding from the Water Bank at the AAA market rate bond with opportunities for principal forgiveness in FFY2018/SFY2019. Prior to long-term funding, CWSRF projects are encouraged to seek a short-term loan from the I-Bank for activities from planning through construction completion.

Because of the success of the DWSRF program over the last two years, the NJ Water Bank has funded a record number of projects and currently has many more project applications in-house in FFY2018 than in previous years. Therefore, to accommodate the maximum number of these projects, and comply with the federal requirements, the DEP proposed amendments to the FFY2018/SFY2019 and FFY2019/SFY2020 IUPs to modify the DWSRF loan rates, the funding priority, and certain project set-asides in September 2018, and proposed additional changes in December 2018, with the required 30-day comment periods. The DEP has responded to all comments regarding these proposed changes. The DWSRF FFY2018/SFY2019 and FFY2019/SFY2020 IUPs are finalized with changes as noted below.

The most significant changes to the DWSRF funding program in SFY2019 and SFY2020 are modifications to the loan rates and the project funding order. The DWSRF will offer publicly-owned water systems 50% funding from the DEP at 0% interest and 50% funding from the Water Bank at the AAA market rate bond; privately-owned water systems will be offered 25% funding from the DEP at 0% interest and 75% funding from the Water Bank at the AAA market rate bond. Other loan rates are discussed in more detail in this IUP. The DWSRF intends to fund projects in SFY2019 and SFY2020 in ranked order, not based on readiness-to-proceed as in past years. By funding DWSRF projects in project priority order and amending loan rates based on DEP priorities, the highest priority public health projects will be able to be funded in FFY2018 and FFY2019 with the funds available. The IUP continues to maintain the loan repayment period of 30 years, the population cut-offs for the Nano program of 10,000 customers for principal forgiveness, and

the continuation of the Asset Management Program for small systems with high-ranking projects. The allocation of principal forgiveness for Lead Service Line (LSL) replacement projects remains the same as proposed with the following modifications: eligible systems may receive loan packages with a cap of $1M/5M/10M system, based on population served.

For those projects that received an approval of an asset management plan contract, an authorization to advertise prior to July 31, 2018, the project will continue to qualify for financing under the terms of the original SFY2019 IUP proposed in November 2017 provided you close on a short-term loan by June 30, 2019. Projects that received an authorization to advertise after July 31, 2018 are not guaranteed funding until funding decisions are made in SFY2020, based on funding projects in ranked order.

Program Summary

The DEP and the I-Bank made several changes to the CWSRF program in 2017 and are continuing to support those changes and using any carryover principal forgiveness funds from 2017 and 2018 allocating additional principal forgiveness funds in SFY2019 as follows:

- $1 million for small system asset management planning, capped at $100K per sponsor;
- $3 million for stormwater and nonpoint source projects in the Barnegat Bay Watershed; and
- $6 million for CSO-Green Infrastructure capped at $2 million per sponsor.

The NJ Water Bank is also extending 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.

Continued Improvements Initiated in 2017:

Rolling Applications

Applications will be accepted anytime of the year. There are no submission deadlines.

Principal Forgiveness Funds

Green Infrastructure (GI) in Combined Sewer Overflow (CSO) Sewersheds

Continue to provide 50% principal forgiveness, 25% DEP interest-free financing, and 25% I-Bank Market rate financing for GI projects that manage stormwater to reduce the overflow of untreated wastewater from CSOs.

Lead Service Line Replacement Program

Funding of lead service line projects will be in ranked order, with those systems exceeding the lead action level receiving the loan rates of 90% principal forgiveness, to replace lead lines in communities serving customers whose median household incomes are less than the county median household income. The loans are capped based on the population served ($1M, $5M, $10M) per applicant/year. Other lead service lines projects will receive the base rate, affordability rate, or Nano financing.

COASTAL COMMUNITY WATER QUALITY RESTORATION

50% principal forgiveness for projects that will eliminate, prevent, or reduce occurrences of shellfish bed and beach closings due to the presence of pathogens; 25% DEP interest-free and 25% I-Bank Market Rate financing. $2.5 million committed to a potential project by Cumberland County Improvement Authority.

NANO

50% principal forgiveness for small drinking water systems serving ≤ 10,000 residents, in addition to 25% DEP interest-free financing, and 25% I-Bank Market Rate financing.

CSO Flow Abatement

50% principal forgiveness, 25% DEP interest free financing, and 25% Water Bank Market Rate financing for the first $10 million for more traditional capital improvements (e.g. treatment plant expansions, sewer separation) that reduce CSOs. DEP interest-free funding will be provided for costs beyond the cap or in lieu of principal forgiveness.

Small System Asset Management

100% principal forgiveness to develop and implement asset management programs for small clean water systems and for small drinking water systems with a high-ranking project ($100k cap).

Barnegat Bay

50% principal forgiveness, 25% DEP interest-free financing, and 25% I-Bank Market Rate financing for stormwater and non-point projects in the Barnegat Bay Watershed.

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Program Goals

Short-term: Provide funding to needed, construction ready, highly-ranked water quality improvement projects.

Long-term:

- 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.

Califon Storm Water Improvements

Passaic Valley Sewerage Commission Interceptor Slip Lining

Borrower Eligibility

The following project sponsors are eligible to receive NJ Water Bank financing provided they satisfy the I-Bank and State of New Jersey creditworthiness standards:

Clean Water Borrowers

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 I-Bank. Private entities are eligible through public conduit borrowers. The Program is also expanding 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.

Drinking Water Borrowers

Public community water systems, both privately and publicly owned, and nonprofit noncommunity water systems (as defined by the National Primary Drinking Water Regulations) are eligible for Water Bank assistance. Public community water systems owned by water commissions, water supply authorities, and water districts are also eligible. Federally owned systems and State-owned systems (State agencies, such as State Police, Parks and Forestry, and Corrections) are not eligible to receive Water Bank assistance.

Bayonne MUA Wind Turbine for a Pump Station

PROJECT ELIGIBILITY

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
- Water conservation, such as water meters
- 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
- 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

For information regarding permitting, see:
NJPDES Additional Information (www.nj.gov/dep/dwq/njpdes.htm)
NJDEP Treatment Works Approval program
(www.nj.gov/dep/dwq/forms_twa.htm)
NJDEP Land Use Program (www.nj.gov/dep/landuse)

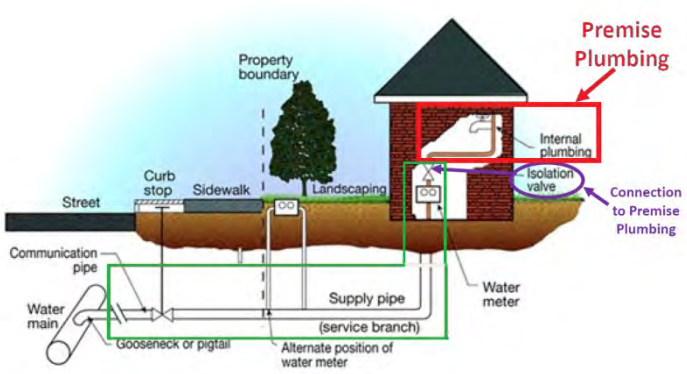
Drilling of a Drinking Water Well at the Berkeley Twp. MUA

Construction of Storage Tanks at the Jackson Twp. MUA

Drinking Water

The main objective of drinking water funding is to protect the public health in conformance with the objectives of the Safe Drinking Water Act. Types of eligible projects include:

- Projects to maintain compliance with existing regulations for contaminants with acute health effects (e.g. Surface Water Treatment Rule, Revised Total Coliform Rule) and existing regulations for contaminants with chronic health effects (e.g. Lead and Copper Rule)
- Full lead service lines replacement by systems with Lead Action Level Exceedance
- Treatment of unregulated contaminants (contaminants that are currently not regulated under the SDWA rules, including contaminants of emerging concern for which there is no drinking water standard)
- Rehabilitate or develop sources to replace contaminated sources
- Treatment facilities
- Storage facilities
- Transmission and distribution pipes, including lead service line location and replacement, regardless of whether the system has ownership of the pipe.
- Projects that address the exceedance of a recommended upper limit for secondary contaminants.
- Purchase or consolidation (i.e., restructure) of a water system that is unable to maintain compliance for technical, financial, or managerial reasons.
- Emergency Repair Projects to 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.



Drinking water service line eligible up to the isolation valve

Township of Middletown Sanitary Authority Aeration Digester

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

Old Bridge MUA Laurence Harbor Bulkhead and Walkway

For additional information, see:
NJDEP Stormwater Links (www.nj.gov/dep/dwq/fd.htm)

Green

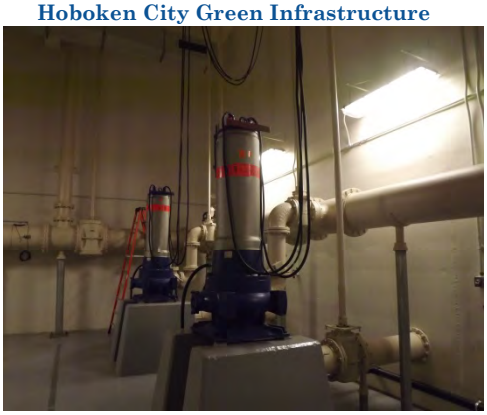
Green projects are clean water and drinking water projects that incorporate green infrastructure and water or energy efficiency improvements (those that reduce greenhouse gas emissions, for example). Green infrastructure includes such practices as replacing existing pavement with porous pavement, utilizing bioretention, renewable energy, constructing green roofs, creating rain gardens, and other practices that restore natural hydrology and treat stormwater runoff through infiltration into the subsoil, treatment by vegetation or soil, or stored for reuse.

Hoboken City Green Infrastructure

For additional information, see:
Green Infrastructure in New Jersey (www.nj.gov/dep/gi/index.html)
NJDEP Sustainability and Green Energy Guidance
(www.nj.gov/dep/sage/so-guidancedocs.html)

Brownfields

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



Camden County MUA Pump Station

Returning Brownfield sites to productive use protects and improves water quality 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 NJ Water Bank 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.

For additional information, see:
NJDEP Site Remediation Links (www.nj.gov/dep/srp/)

Mount Laurel MUA Elbo Lane Water Treatment Plant

Landfills

Landfills construction activities that have a water quality benefit are eligible for NJ Water Bank 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

Camden County Phoenix Park

Land Preservation

NJ Water Bank 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.

Although lands purchased through the NJ Water Bank 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.

The NJ Water Bank 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 additional resources to facilitate the purchase of larger and/or more expensive parcels. For Additional information, see: NJDEP Green Acres Program (www.nj.gov/dep/greenacres/)

Equipment

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

- Street sweepers
- Generators
- Sewer flushing and cleaning equipment
- Dump trucks
- Crawler loaders
- Skimmer boats
- Aquatic weed harvesters
- Outfall netting may be financed under the NJ Water Bank

Passaic Valley Sewerage Commission Electrical Substation

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
- Alternative auxiliary power sources

North Wildwood Sewer, Storm and Street Restoration

Allowable Auxiliary Costs

Additional costs that are eligible within a project include:

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

Highlighted Planning and Design:

Projects to develop and implement CWSRF 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 a NJ Water Bank capital improvement project or repaid in 3 years. CSO long term control plans can receive loans up to 10 years.

NJDEP Asset Management Program (www.nj.gov/dep/assetmanagement/)
NJDEP Asset Management Guidance and Best Practice
(www.nj.gov/dep/watersupply/pdf/guidance-amp.pdf)

Continued Typical Planning & Design:

Planning & Design Loans cover costs incurred in the planning and design phase of a water infrastructure project. These loans are 0% interest. Eligible costs include engineering fees, surveys, environmental or geological studies, and other costs related to project plan preparation. The loans must be rolled into a Water Bank capital improvement project or repaid in 3 years.

FUNDING PACKAGES (LONG-TERM LOANS)

Table 1: Long –Term Funding Packages Breakdown – Clean Water

Clean Water	Principal Forgiveness	DEP 0%*	I-Bank Market Rate**	$ Savings as % of Total Loan***
Asset Management Plan Development	100%	0%	0%	100%
Coastal Community Water Quality Restoration	50%	25%	25%	57%
Barnegat Bay, CSO-Green, & CSO-Abatement	50%	25%	25%	57%
Superstorm Sandy Relief	19%	56%	25%	34%
Planning and Design	0%	100%	0%	27%
Base CWSRF	0%	75%	25%	20%
Brownfield Redevelopment	0%	50%	50%	13%

* DEP portion of funding is at 0% interest
** I-Bank portion of funding is at AAA market Rate
***Saving based on comparison to AAA market rate municipal bond, as of October 2016 and administrative fees

Table 2: Long-Term 30 Year Funding Packages Breakdown – Drinking Water

Drinking Water	DEP 0%*	I-Bank Market Rate**	Principal Forgiveness	Funding Cap
Asset Management Plan Development	0%	0%	100%	$100,000[1]
Base DWSRF – Public	50%	50%	0%	Not applicable
Base DWSRF – Investor-owned	25%	75%	0%	$10 Million (remainder at I-Bank market rate)
Small System ("Nano") ≤ 10,000 customers	25%	25%	50%	$1 million (remainder at 50/50 or 25/75)
Affordability (publicly-owned water systems only)[2]	75%	25%	0%	$10 million (Remainder at base)
Lead Line Replacement[3]	10%	0%	90%	$ 1, 5 or 10 million (depending on population served per eligible water system; remainder at applicable base rate)
Planning and Design	100%	0%	0%	NA

*DEP
**Water Bank portion of funding is at AAA market Rate

[1] $100,000 principal forgiveness for a small system (≤10,000) asset management plan development with a resulting capital improvement project that ranks high enough to qualify for funding. Large systems are also eligible for DEP 100% loans (no PF) asset management funding, funded in ranked order.
[2] Systems serving municipalities with MHI ≤ 65% State MHI (2010 census).
[3] Water systems that exceed the lead action level are eligible to receive the lead line replacement funding, in project priority order according to ranking assigned by the priority ranking system (see Appendix 3). PF Funding is capped per applicant/year.

Principal Forgiveness Funds

The DEP expects to use the maximum amount available for principal forgiveness utilizing SRF monies subject to federal restrictions. In addition to the SRF, the DEP 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 Corporate Business Tax (CBT)-diesel funds) to supplement principal forgiveness or low-cost loan funding. In addition, the DEP may bank any non-SRF financing towards future State Match requirements subject to EPA approval.

Asset Management for Small Systems

For the CWSRF, the Water Bank will provide 100% principal forgiveness to small wastewater systems (those that serve 10,000 or fewer people) to develop and implement asset management programs.

The asset management funding will be available to small drinking water systems in FFY2018 and FFY2019, with a high-ranked capital improvement project.

DEP expects to make SRF or non-SRF funds available in the form of principal forgiveness through the NJ Water Bank and cap the amount at $100,000 per applicant. A total of $1 million in principal forgiveness funds (plus any of the $1M reserved last year for Asset Management Plan that remains unobligated at the end of SFY18) is available for this purpose in SFY19 and SFY20. A high-ranked capital improvement project must be implemented to be eligible for the asset management program, but the larger systems are eligible for short-term, interest-free loans, with a capital improvement project. The DEP reserves the right to use these funds to hire a contractor to provide technical services to small communities for asset management.

Coastal Community Water Quality Restoration

NJ Water Bank is offering 50% principal forgiveness for capital improvement projects that will eliminate, prevent or reduce occurrences of shellfish bed or beach closings due to the presence of pathogens. Projects would eliminate such potential sources as failing on-site wastewater systems and cross-connections between storm sewers and sanitary sewers. Project costs up to $5 million would receive 50% principal forgiveness, 25% DEP interest-free, and 25% I-Bank market rate financing. Project costs exceeding $5 million are eligible for the Base CWSRF structure. $2.5 million in principal forgiveness has been committed towards Cumberland County Improvement Authority to resolve failing septics and prevent shellfish bed closures in Downe Township, limited to Fortescue and Gandys Beach. A total of $5 million in principal forgiveness funds was reserved last year. Any amounts that remain unobligated at the end of SFY18, continue to be available for these purposes in SFY19.

Green Infrastructure – CSO Sewershed

The DEP is reserving funds and providing principal forgiveness loans for Combined Sewer Overflow (CSO) abatement projects utilizing green practices (such as green roofs, rain gardens, porous pavement, and other activities that maintain and restore natural hydrology by treating stormwater runoff through infiltration into the subsoil, treatment by vegetation or soil, or stored for reuse). Projects will continue to receive 50% principal forgiveness, 25% DEP interest free, and 25% I-Bank market rate financing. A total of $6 million in principal forgiveness funds (plus any of the $30M amount reserved in SFY18 for CSO-Green and CSO-Gray that remains unobligated at the end of the SFY) is reserved to provide principal forgiveness loans for CSO-Green Infrastructure in SFY19.

There is a $2 million cap of principal forgiveness per applicant in SFY19. DEP interest-free funding will be provided for costs beyond the cap or in lieu of principal forgiveness.

Flow Abatement - CSO Sewershed

NJ Water Bank is reserving funds and offering 50% principal forgiveness and 25% DEP interest-free financing and 25% I-Bank market rate financing to communities in a CSO sewershed sponsoring construction projects that reduce or eliminate excessive infiltration/inflow or extraneous flows. There is a $5 million cap of principal forgiveness per applicant. DEP interest-free funding will be provided for costs beyond the cap or in lieu of principal forgiveness. A total of $30 million in principal forgiveness funds was reserved last year. Any amounts that remain unobligated at the end of SFY18, continue to be available for these purposes in SFY19.

Sandy Relief

Sandy Relief funds are for clean water and drinking water facilities that were damaged by Superstorm Sandy and are constructing repairs or resiliency to prevent future damage to a treatment facility or water system from a similar event. Resiliency projects include elevating critical infrastructure, flood walls, backup power sources and more. Sandy Relief funds were made available in a one-time installment and offered while funds remain. All the Sandy Relief DWSRF funds were awarded in SFY2017. As such, the NJ Water Bank will continue to accept clean water submittals under the Sandy Relief program, which includes a principal forgiveness component of approximately 19% of the allowable costs. If all the CWSRF Sandy Relief funds are awarded in SFY17 or SFY18, new submittals will be eligible under the Base SRF loan structure.

Barnegat Bay

A total of $3 million in principal forgiveness funds (plus any of the $10M amount reserved in SFY18 that is unallocated at the end of the SFY) is reserved for stormwater and non-point source pollution management projects in the Barnegat Bay Watershed. 50% principal forgiveness will be offered with a $2 million limit on principal forgiveness per applicant and awarded on a first come basis. The remaining project amount is financed 25% DEP interest-free, and 25% I-Bank market rate financing.

Replacement of Lead Service Line Set-Aside Program

The existence of lead service lines in some of our aging drinking water infrastructure poses potential risk to public health. This risk can be significantly reduced through the identification and replacement of lead service lines. Lead service line replacement projects will be funded in priority ranked order, with those water systems exceeding the action level receiving priority. Water systems that have exceeded the lead action level that serve communities with a median household income (MHI) less than the median household income for the county in which they are located are eligible for DEP's lead line replacement program. MHI is calculated using 2017 Census data, in accordance with data obtained from https://www.census.gov/quickfacts/NJ. Loans will be offered as 90% principal forgiveness and 10% funding from the DEP at 0% interest. Project applicants are capped at $1, 5 or 10 million per water system (PWSID)/per year based on the population served by the water system. Specifically,

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

The balance of financing will be provided at the applicable base rate.

The DEP has set aside $30 million for principal forgiveness for LSL replacement projects. Water systems that do not exceed the lead action level but want to replace lead pipes are eligible for Water Bank base programs. The following criteria must be met for the project to be eligible for Water bank loans:

- Be able to document the presence of lead pipes and components
- Lead pipes and components are defined as containing at least 90% or more lead by weight.
- Provide documentation through historic records that the lines to be replaced are lead. Acceptable records include information on the age of the houses and high probability of lead lines and components being present, line installation records, etc.
- Partial lead line replacements are not allowable.

Nano Loan Program

In FY2018, small systems will be funded in ranked order. $4 million, subject to any state and federal limitations, is available for loans to small water systems serving 10,000 or fewer customers in FFY2018/SFY2019 and $4 million in FFY2019/SFY2020. 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. In addition, the Department intends to prioritize small water systems with projects that have secured federal/non-profit grants to be leveraged with SRF funding.

Small Water System Engineering Contract Program

Under a $400,000 contract with the NJDEP and the New Jersey Water Association (NJWA), funded through a DWSRF set-aside, small water systems that serve fewer than 3,300 persons are provided 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. When these projects are ready for financing, they will be ranked, and financed to the extent that the DEP can accommodate their loan requests under the Nano program.

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. $2 million of SRF funds is being made available for this program. 100% principal forgiveness loans will be available to those systems that are assisted by the Community Engineering Corps, with a cap of $500,000 per project. The DEP will not charge permit fees to these small systems.

Financing Options

The NJ Water Bank offers the following low interest financing options for eligible projects.

Base CWSRF & DWSRF

At the time a project is at or near construction completion, long-term financing will be issued. The Base CWSRF funding package consists of 75% DEP interest-free and 25% I-Bank market rate financing for allowable costs. This is offered to all eligible clean water borrowers.

The DEP is changing the 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 financed by the I-Bank. Project applicants for privately owned water systems are capped at $10 million per project. Project costs over $10 million can be 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 3. 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.

For the DWSRF FFY2018/SFY19 and the FFY19/SFY20 program, funding decisions will be based on the DWSRF Project Priority List, as determined by the DWSRF Project Ranking methodology in Appendix 3. For those projects that received an authorization to advertise after July 31, 2018, DEP will be determining financing availability and loan terms in priority ranked order in the Spring 2020 based on available funds.

Brownfield Redevelopment (Public Private Partnership)

A total of $60 million in NJ Water Bank loans is reserved for brownfield redevelopment projects in SFY19. Brownfield redevelopment by private entities is eligible for a funding package of 50% DEP and 50% I-Bank financing. Private entities must have a public conduit that will sponsor the project.

Planning and Design

The Water Bank is offering 100% interest-free financing for up to three years through the planning and design loan program. Planning and design include projects such as the development of asset management plans and CSO long-term control plans. CSO permittees developing long-term control plans for their CSO sewershed may receive loans for up to 10 years, with portions of principal repayments commencing at the end of the 3rd year. Loans are given with the expectation that such plans will result in an eligible capital improvement project.

SAIL Program

The Statewide Assistance Infrastructure Loan (SAIL) program is a disaster relief loan program designed for project sponsors that anticipate receiving FEMA or other federal disaster relief grants. The SAIL program's goal is to provide timely and cost-effective funds, in advance of federal reimbursements, to expedite and support the impacted communities' recovery and rebuilding of

environmental infrastructure. SAIL finances projects within a declared disaster area to rebuild water systems directly impacted by a declared disaster as well as costs associated with improving the resiliency of Clean Water and Drinking Water systems, regardless of direct disaster impact.

Short-Term Loans

All projects are encouraged to secure short-term loans at the time of execution of an engineering design contract for the entirety of the project (planning, design, and construction). Funding will be committed upon certification of each operable segment and satisfaction of the program's credit worthiness standards. Such loans are currently at 0% interest for terms of up to 3 full fiscal years.

Noteworthy Program Features

Application

All applications are submitted on the H2LOans website (h2loans.com). To create an H2LOans account, the project sponsor's authorized official will need to call the Water Bank at 609-219-8601 for security reasons. The authorized official can then designate a project manager (authorized representative) to submit required information. Application deadlines have been removed and rolling applications are being accepted any time of the year.

H2LOans Tutorial Video (https://www.youtube.com/watch?v=UgDDV_SyqL0)

Loan Awards

Loan awards for new projects will be made in FFY2018/SFY2019 in accordance with N.J.A.C. 7:22-3, 4, and 5 9 (http://www.nj.gov/dep/dwq/722.htm). The loan term will generally be 30 years for CWSRF funded projects but cannot exceed the useful life of the facility. The loan term for DWSRF projects will be 30 years but cannot exceed the useful life of the project.

Local government units are required to meet the technical, administrative, and environmental provisions of the rules of DEP and the Water Bank (N.J.A.C. 7:22-3, 4, 5, 8, 9, and 10 http://www.nj.gov/dep/dwq/722.htm). Disbursement and loan repayment provisions must be consistent with the rules.

Pre-award Approvals/Emergency Projects

Eligible projects can qualify to receive pre-award approvals if the requirements of the rules (N.J.A.C. 7:22-3.32 and 4.32 http://www.nj.gov/dep/dwq/722.htm) are met and if executed contracts to implement the project have been received by DEP.

DEP & I-Bank Fee

In accordance with the USEPA Policy on Fees Charged on Assistance Provided Under the SRF Programs, states must disclose information regarding the assessment and use of any fees associated with SRF activities that are passed on to the program participants. In New Jersey, DEP reserves 4% of the annual SRF capitalization grant to cover a portion of the administrative costs of administering the program. In addition, the annual legislation for the SFY2006 Program established a "Department Loan Origination Fund" that is administered by the Water Bank. The DEP now has a stable fixed fee of 2% of the participant's loan amount. No SRF funding is involved in DEP's loan origination fee. DEP's loan origination fee is not included in the principal amount of the CWSRF and DWSRF loan and is separately accounted for.
The Water Bank's loan is issued at the same market interest rate as the Water Bank obtains from the sale of its bonds. Rather than bonding for all the eligible closing costs associated with each financing, the I-

Bank charges the borrowers a one-time charge of 0.1% of the principal Water Bank loan amount to partially cover the costs associated with that particular series' bond issuance expenses. These costs include such activities as: bond counsel, financial advisor, rating agencies, printing and publishing of the Notice of Sale, the Preliminary Official Statement, the Official Statement, and other costs related to the Water Bank 's bond sale. In addition, the Water Bank charges an annual administrative fee of 0.3% of the Water Bank 's bond principal loan amount to cover the balance of the closing cost and the annual operating expenses associated with the operations of the Water Bank and the on-going costs associated with the loan servicer and Trustees. The Water Bank 's annual administrative fee is not included in the principal amount of the loan and is held in an account outside of the SRF. The Water Bank is evaluating its existing fee structure and considering a return to an annual administrative fee equal to 0.30% on 50% of a borrower's total loan amount. Any changes to the Water Bank 's fee annual structure are subject to all applicable approvals and publication in the SFY2019 Financial Plan in May of 2018.

Sources and Use of Funds

The Table below represents estimated amounts available from prior program years and anticipated uses for the FFY2018/SFY2019 Environmental Infrastructure Financing Program:

SFY 2018 Financing Program

Anticipated Sources:	
Funds Available from prior years	$272 M
Repayments from prior years' loans	$133 M
FY 2017 CW/DW SRF Grants	$ 78 M
Subtotal	$483 M
Anticipated I-Bank Share:	$162 M
Total Program Sources:	**$644 M**
Anticipated Uses:	
Projects to be Financed in the SFY 2018 Program	$450 M

SFY 2019 Financing Program

Anticipated Sources:	
Funds Available from prior years	$194 M
Repayments from prior years' loans	$133 M
FY 2018 CW/DW SRF Grants	$ 78 M
Subtotal	$405 M
Anticipated I-Bank Share:	$135 M
Total Program Sources:	**$540 M**
Anticipated Uses:	
Projects to be Financed in the SFY 2019 Program	$450 M

UPDATED ESTIMATES FOR DRINKING WATER PROGRAM ONLY:

SFY2019 Financing Program

Anticipated Sources:	
Funds Available from prior years	$ 48 M
Repayments from prior years' loans	$ 38 M
FFY2018 DW SRF Grant	$ 16 M
CW to DW Transfer	$ 6 M
Subtotal	$ 108 M
Anticipated I-Bank Share (est. 50%)	$ 108 M
Total Program Sources:	**$ 216 M**
Anticipated Uses:	
Projects to be Financed in the SFY2019 Program	$ 216 M*

SFY2020 Financing Program

Anticipated Sources:	
Funds Available from prior years	$ 0 M
Repayments from prior years' loans	$ 38 M
FFY2019 DW SRF Grant	$ 16 M
CW to DW Transfer	$ 6 M
Subtotal	$ 60 M

* Current DWSRF obligations and project applications exceed this amount.

Financial Relationships between the CWSRF and the DWSRF

The federal Safe Drinking Water Act Amendments of 1996 offer states the flexibility to meet the funding needs for drinking water and wastewater facilities by transferring funds from one SRF program to the other. Annually, an amount up to 33% of the DWSRF Capitalization Grant may be transferred from the CWSRF program to the DWSRF program, or vice versa. The EPA has issued guidance that would allow utilization of transfer credits and transfer of funds on a net basis (i.e., funds could be moved in both directions), provided that the final transferred amount does not exceed the authorized ceiling.

The SRF program evaluates funds available to determine if adequate monies are available to be used for clean water projects in the current fiscal year. In addition, the type and number of DWSRF projects are reviewed and a determination is made on the need of the funds to be transferred from the CWSRF accounts to the DWSRF accounts or vice-versa.

DEP reserves the right to transfer funds from the CWSRF to the DWSRF (or vice-versa) each fiscal year to the extent allowed by law, including Sandy SRF funds. While all projects that meet the program requirements and are ready to proceed have been able to receive a CWSRF or DWSRF loan in the past, the

ability of the programs to finance all qualifying projects in the future is uncertain because of reduced federal funding levels and the increase in the demand for the limited DWSRF funds.

In addition to the potential transfer of funds between the CWSRF and DWSRF, DEP is continuing its policy to cross-collateralize the DWSRF with the CWSRF. This feature results in significant savings to project sponsors and benefits the drinking water project sponsors since there is a large source of revenue available via the CWSRF repayments to cover possible loan defaults. Under the EPA-approved procedures associated with cross-collateralization, a temporary transfer of funds between the two SRFs may occur as if necessary to cover the default of a loan repayment or other financial obligation. DEP and the Water Bank would take steps to collect any obligations resulting from a loan default and reimburse the appropriate drinking water or clean water account.

Additional SRF Provisions:

Programmatic requirements are listed below. It is anticipated that these provisions will be maintained in a subsequent federal reauthorization act or federal policy. If substantial changes in the Act necessitate DEP's revision of the FFY2018 document, additional public participation efforts will be conducted.

1. The schedule of state capitalization grant payments, jointly agreed upon by the administrator of the EPA and each state, is based upon the state's IUP.t
2. States are required to deposit in the SRF, from state monies, an amount equal to at least 20% of the total amount of all capitalization grants made to the state.
3. The CWSRF fund created with federal capitalization grants can only be used to provide assistance for (a) the construction of publicly owned treatment works, (b) the implementation of a NPS (nonpoint source) management program, which includes construction of stormwater/NPS management facilities, and (c) the development and implementation of an estuary conservation and management plan. Although CWSRF loans may only be provided for publicly-owned wastewater treatment and stormwater sewer systems, if a government unit assumes ownership of a privately-owned system, a loan may be provided under the authority of section 603(c) of the federal CWA. A state may also deem the public ownership requirement as being met for small/on-site systems if adequate inspections and operations are ensured through the establishment of a septic management district or use of service easements.
4. Monies in the CWSRF may be used to provide loans at or below market interest rate, for terms not greater than 30 years or the useful life, whichever is less. For DWSRF, the terms are not greater than 20 years or the useful life, whichever is less. Repayments must begin no later than one year after completion of the project and must be credited to the SRF (principal and interest). The recipient of a loan must establish a dedicated source of repayments. The CWA authorized the use of federal CWSRF monies to refinance local debt obligations, provide guarantees, or purchase insurance.

Section 1452 of the federal SDWA authorizes the states to provide funding for certain non-project activities, as long as the amounts do not exceed ceilings specified in the statute. The non-project set-asides provide for DWSRF activities that are not construction related and include administration of the DWSRF, technical assistance for small systems, state public water system supervision (PWSS) programs, source water program administration, capacity development, and operator certification. Each state must have a capacity development and operator program, or EPA may withhold up to 20% of the annual capitalization grant.

The DEP issued a workplan for the FFY2018 non-project set-asides on June 15, 2018 which was distributed to community and nonprofit noncommunity water systems and other stakeholders for a 30-day comment

period. The DEP did not receive any comments on the FFY2018 non-project set-aside workplan. This final workplan was submitted as an attachment to the FFY2018 Capitalization Grant. The DEP was awarded the Capitalization Grant in September 2018.

The Table below represents the amounts of the available sources and anticipated uses for certain non-project activities:

Funds Available	***FFY 2018***	
Federal Capitalization Grant	$	18,957,000.00
State Match		
20%	$	3,791,400.00
Projected Expenditures		
Administration (net position)	$	979,451.00
Non-project Set-asides	$	1,849,961.00
Small System Tech Assistance (2%)	$	183,708.00

APPENDIX 1: CLEAN WATER PRIORITY SYSTEM RANKING METHODOLOGY

I. Project Priority List — General Information

Clean water projects must be listed on the Project Priority List in order to be considered eligible for financial assistance under the EIFP. The Priority List identifies the estimated total eligible building costs under the appropriate project category. Except for certain project types, the figure under the "Total Eligible Project Cost" includes the estimated total eligible building costs, the related costs for construction services (i.e., administrative, legal, engineering, inspection, one year start-up services, etc.), the allowance for planning and/or design (or best estimate of actual costs), 3% for the recipient's administrative costs, and a 5% contingency cost. The figure under the "Total State Amount" column represents 100%of the estimated total eligible project costs.

DEP has established a rolling application process and will update and post the Priority List several times during the fiscal year. The Department expects to notify potential borrowers and other interested parties upon each posting of an amendment to the Priority List on the DEP and I-Bank websites and establish a reasonable comment period for public input on those amended lists as they become available.

II. Ranking Methodology

DEP ranks all projects on the basis of 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 can impair water uses.

DEP's Priorities List provides a strategic foundation for structural changes and includes objectives to implement projects that will help to protect, maintain and improve water quality in and around the Barnegat Bay, while also determining the best long-term approach for restoring the ecological health of Barnegat Bay. To support these efforts to improve the water quality of the Bay, the project ranking methodology for the FFY 2018 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 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.

A. 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 planning strategies discussed below.

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 future generations 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.

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

B. Project Discharge Category Points

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.

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)	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. 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 and the purchase and installation of security and energy efficiency measures at the STP.	500

Sanitary Sewer System Rehabilitation	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	Projects involving the construction of facilities to manage sludge from STPs or from potable water treatment activities, such as the installation of dewatering equipment, the implementation of land application or composting activities or improvements or repairs to sludge incinerators.	350
Wastewater Reuse	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 and/or construction of conveyance and distribution systems to allow for reuse activities.	300
Septic System Repair/Replacement	Projects that involve repairs, improvements, and/or replacement of individual or small community, on-site septic systems.	275
New Systems	The expansion of a STP's treatment capacity, and the construction of new facilities to provide collection, conveyance or treatment of sanitary sewage.	250

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 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	The construction or rehabilitation of stormwater basins, sewer systems or storm drains, the extension of outfall pipes, green roofs, blue 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). 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	The implementation of measures to prevent and control pollutants from entering groundwater at non-operating landfill sites that are publicly owned and at abandoned	150

Conservation and Well Sealing	well locations. Open space land acquisition and conservation projects that help to protect or maintain water quality.	
Landfill Construction and Remedial Action Activities	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	Environmental infrastructure projects where a developer, LLC, partnership or other private party is involved in the project; 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 Trust loans, the project is considered exempt from the conduit financing classification and corresponding funding limitations.	50

C. 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.

Nutrients reflect the presence of phosphorus/phosphates and nitrates/nitrites in a water body. Excessive nutrient levels in freshwater streams and lakes may result a decrease in water quality and an increase in treatment costs. 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 given lower points since in most cases the significant contributions of toxic substances come from industrial sources that are better controlled through pretreatment and are only incidentally abated by municipal treatment facilities. In the case of the toxicity of ammonia, municipal facilities are usually the main source, but the most significant impact is associated with streams designated for trout production/maintenance, which already receive a high number of points under the water use category.

Table III. Ranking Points Related to Water Quality

Water Quality		**Points for Water Quality that**		
		Meet	**Marginally Meet**	**Do Not Meet**
		The Water Quality Standard*		
Parameter	Dissolved Oxygen	0	50	100
	Fecal Coliform	0	50	100
Parameter	Nutrients	0	25	50
Category	Toxics	0	25	50

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

D. Smart Growth Approvals

DEP seeks to coordinate and enhance the efforts to encourage smart growth through the implementation of the State Development and Redevelopment Plan. DEP 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 New Jersey 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

Projects located in or benefiting areas designated as Brownfield Development Areas, Transfer of Development Rights receiving areas or Transit Villages 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.

E. Population Points

Projects are assigned points based on the population of the area served by the project. One point is given for every 1 million people living year-round in the project area. 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 larger population.

Priority Growth Investment Areas

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

Table 1: Growth Areas

1. Former State Plan Policy Map Metropolitan Planning Areas (PA 1) and Nodes
2. Unexpired Commission Approved Centers, Urban Complexes and other areas designated for development or redevelopment as the result of the Commission formally endorsing municipal or county plans
3. Municipally Designated Transfer of Development Rights "Receiving Areas"
4. Municipally Designated "Urban Enterprise Zones"
5. Municipally Designated "Areas in Need of Redevelopment" or "Areas in Need of Rehabilitation"
6. Approved "Foreign Trade Zones"
7. Land within Higher Education Campuses suitable for development / redevelopment
8. NJDOT Certified Transit Villages
9. "Urban Transit Hubs" as defined by Economic Development Authority's Urban Transit Hub Tax Credit Program
10. Land owned by the New Jersey Sports and Exposition Authority

11. Commission approved requests for additional areas, for example, sites that have been historically utilized for large-scale commercial, research or industrial uses, that meet Commission requirements may be submitted for inclusion by a county with the support of relevant municipalities and, if relevant, the advice and consent of a regional planning entity. If a county declines to serve this role, requests will be accepted by a municipality or other appropriate entity.

Regional Planning Entities

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

New Jersey Sports and Exposition Authority (formerly Meadowlands Commission)

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

Pinelands Commission

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

Highlands Council

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

APPENDIX 2: CLEAN WATER AFFORDABILITY CRITERIA

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

Section 603(i)(2)(A) of WRRDA requires that states base their criteria on:

- income;
- unemployment data;
- population trends; and
- other data determined relevant by the State.

In New Jersey, those applicants where the following income, unemployment data, and population trends exist, based upon the sources below for each factor, are considered to have satisfied the State's CWSRF affordability criteria:

- Median household income of $90,000 or more;
- County-wide unemployment of 5% or lower; and
- Population trend of 2% or higher.

Applicants that do not meet the specifications above do not meet the State's CWSRF Affordability Criteria.

WRRDA allows states to provide additional subsidization to eligible recipients for the following:

- To benefit a municipality that meets the State's affordability criteria as established under the FWPCA section 603(i)(2);10;
- To benefit a municipality that does not meet the State's affordability criteria but seeks additional subsidization to benefit individual ratepayers in the residential user rate class; or
- To implement a process, material, technique, or technology that addresses water or energy efficiency goals; mitigates stormwater runoff; or encourages sustainable project planning, design, and construction.

In New Jersey, additional subsidization through principal forgiveness loans is allocated to implement a process, technique or technology that mitigates stormwater runoff. In the case of the CSO reserve, projects that implement green technologies to reduce runoff are only eligible for PFLs and, in the case of the Barnegat Bay reserve, only stormwater runoff mitigation projects qualify for PFLs.

NOTE: MHI (2009-2013) and Population Trend Data (percent change - April 1, 2010 to July 1, 2014) is from https://www.census.gov/quickfacts/NJ . County Unemployment data is from http://lwd.dol.state.nj.us/labor/lpa/content/maps/laus_month.pdf .

APPENDIX 3: DRINKING WATER PROJECT RANKING METHODOLOGY

Table 1 of Category A lists the types of projects eligible for DWSRF funding. A project must be assigned points from Category A to be eligible for ranking; points assigned from the remaining categories are in addition to the points received in Category A. 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 A. Projects that include multiple elements, as listed in priority Category A, are separately listed by the elements involved and priority points assigned for each element.

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 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 changes to an individual project ranking.

The principal elements of the Priority System are: A) Compliance and Public Health Criteria, B) Water Supply Plans/Studies, C) State Designations, D) Affordability, and E) Population. Points are assigned for each of the five priority categories and are discussed in more detail below.

The order of project priority for funding is as follows:

1. Emergency Projects are considered a public health hazard and receive funding over other projects on the Comprehensive Priority List;
2. Surface Water Treatment Rule violations including uncovered finished water reservoirs;
3. MCL and Lead Action Level Exceedances;
4. Unregulated contaminants (contaminants of emerging concerns);
5. Small Systems serving less than 10,000 persons, up to 15 % of DWSRF Funds;
6. Projects that have secured federal/non-profit grants to be leveraged with SRF funding,
7. Other projects currently on the comprehensive list.

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.

<u>Category A. Compliance with the SDWA and Protection of Public Health</u>

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 1 describes the project elements that are eligible for DWSRF funds:

TABLE 1. Project Elements Eligible for
Project Priority Ranking in the Drinking Water State Revolving Fund Program[4]

1.	Systems that utilize surface water that are not in compliance with the surface water treatment requirements or have had any acute violations (either *E. coli* 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 Points
2.	Systems that 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 *E. coli* 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 Points
3.	Systems that utilize groundwater that have had any acute violation (either *E. coli* or nitrates).	300 Points
4.	Systems that have had, or DEP reasonably expects to have, any primary maximum contaminant level (MCL) violations (except acute violations) or exceedance of action levels (Lead and Copper Rule).	250 Points
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 points
6.	Systems that were classified as vulnerable, because of a 2007 DEP Interconnection Study.	200 Points
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 Points
8.	Purchase and/or consolidation of a water system to comply with the SDWA for capacity development.	170 Points
9.	Systems that are proposing improvements for drought or other related water supply management initiatives, as identified or designated by the State.	160 Points
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 Points

[4] A project must be assigned points from Category A to be eligible for Project Priority List ranking; points assigned from Categories B through E supplement the points received in Category A.

11.	Extension of water mains, including associated appurtenances and water system facilities, to private wells that have had any maximum contaminant level exceedances or have exceeded lead and copper action levels.	125 Points
12.	Existing treatment facilities that need to be rehabilitated, replaced, or repaired to ensure compliance with the SDWA.	100 Points
13.	Existing transmission or distribution mains with appurtenances that need to be rehabilitated, replaced, repaired or looped to prevent contamination caused by leaks or breaks in the pipe or improve water pressures to maintain safe levels or to ensure compliance with the SDWA.	75 Points
14.	Existing pump stations or finished water storage facilities that need to be rehabilitated or replaced to maintain compliance with the SDWA.	60 Points
15.	New finished water storage facilities or pump stations that are needed to maintain pressure in the system and/or prevent contamination.	50 Points
16.	Addition or enhancement of security measures at drinking water facilities, including but not limited to fencing, lighting, motion detectors, cameras, secure doors and locks, and auxiliary power sources.	45 Points
17.	Green Infrastructure: renewable energy generation such as solar panels, hydroelectric, geothermal or wind turbines or infrastructure built at the water system facilities such as green roofs, porous pavement, bioretention or grey water reuse.	45 Points
18.	Systems which have had any exceedance of any secondary drinking water regulations that have received notification issued by DEP that exceedance of a secondary drinking water regulation causes adverse effects on the public welfare, and for which the system has received a directive issued by the DEP requiring correction of the exceedance.	40 Points
19	Installation of new water meters and/or other water conservation devices, including but not limited to retrofit plumbing fixtures.	35 Points
20.	Construction of new or rehabilitation of existing interconnections between water systems to improve water pressures to maintain safe levels, promote availability of alternative source of supply, or to ensure compliance with the SDWA.	30 Points
21.	Replacement of water meters.	25 Points
22.	Redevelop wells, construct new wells, or construct or rehabilitate surface water sources with associated treatment facilities to meet the New Jersey SDWA rules for required pumping capacity.	15 Points
22.	Other project elements, not including items 1 through 21 above, that ensure compliance with the SDWA and protect public health, as approved by DEP.	1 Point

Category B. 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 DEP, 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 years. Also, 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.

Category C. State Designations

1. 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 points for this element.

   a. 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 20 points.
   b. 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 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. 08625-0820 or call (609) 292-7156 for further information on the State Development and Redevelopment Plan.

2. Transit Village Initiative
   The New Jersey Department of Transportation (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 ridership. Therefore, DEP will provide five 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.

3. Brownfield Development Area (BDA)
   DEP sponsors a program to promote the re-use of formerly contaminated sites. 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 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.

4. Green Project Reserve (GPR)
   DEP promotes green infrastructure, water and energy efficiency, and environmental innovation in its water improvement projects. Therefore, DEP provides 15 additional priority points to any project that is a categorically eligible project.

   Please note that the points from these four items of Category C 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.

Category D. 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 2.

TABLE 2. 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 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.

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 receives 80 priority points which is proportionately greater than the other affordability factor points. (New Jersey's MHI is $68,911 as reported in the 2010 Census.)

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

Example:

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 10 municipalities, the 10 municipalities that have the highest populations served will be considered in the above table for the affordability factor.

Category E. Population

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

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

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

APPENDIX 4: SUMMARY OF PUBLIC COMMENTS AND AGENCY RESPONSES

I. Proposed DWSRF FFY2018 (SFY2019) IUP issued November 13, 2017

The Department proposed a joint Drinking Water SRF – Clean Water SRF IUP for FFY2018 (SFY2019) on November 13, 2017 (November 2017 Proposed IUP). A Notice of Public Hearing was sent to interested parties, including community water systems, non-profit non-community water systems and engineers. A public hearing was held on December 6, 2017 at the New Jersey Environmental Trust in Lawrenceville, NJ. The 30-day public comment period closed on December 14, 2017. The Department received one written comment on the FFY2018 Proposed DWSRF IUP.

The following person submitted comments on the DWSRF November 2017 Proposed IUP proposed on November 17, 2017: Amendments:

1. Alan S. Dillon, Ewing, NJ

COMMENT
A. Dillon commented that the Drinking Water 2018 Project Priority List included a proposed water main extension project for Sea Village Marina LLC (NJ0108021), which has not existed as a public community water system for the last five years. Mr. Dillon stated that funding consideration of a tax delinquent non-water system entity, with no residents, as eligible for a total of $1,534,000 is not directly related to the purposes of DWSRF financing. As such, Sea Village Marina should be removed from the 2018 DWSRF proposed projects list.

RESPONSE
The Department acknowledges that Sea Village Marina LLC is no longer classified as a public water system. Therefore, the project is no longer eligible for DWSRF funding and has been removed from the project priority list.

II. Proposed Amendments to the FFY2018 (SFY2019) DWSRF Proposed IUP issued September 24, 2018 and
III. Supplemental Amendments to the FFY2018 (SFY2019) Proposed IUP issued December 19, 2018

Due to concerns regarding the availability of DWSRF funds for loan applications in-house, on September 24, 2018, the Department proposed amendments to the Drinking Water SRF IUP proposal for FFY2018 (SFY2019) and proposed the Drinking Water SRF IUP for FFY2019 (SFY2020) (October 2018 IUP Amendments). Again, a Notice of Public Hearing was sent to interested parties, including community water systems, non-profit non-community water systems and engineers. Proposed changes to the October 2018 IUP Amendments included: funding projects that received authorization to advertise after July 31, 2018 based on project rank (vs. readiness-to-proceed); changes in loan rates for public systems and investor owned systems; revised loan duration from 30 years to 20 years; requirement to have a lead action level exceedance to qualify for principal forgiveness for lead service line replacement; elimination of the asset management funds for small systems; caps on loan amounts; and reduced availability of principal forgiveness (PF) for some small systems. Hearings on the October 2018 IUP Amendments were held on October 12, 2018 at the NJDEP Public Hearing Room, Trenton, NJ and on October 16, 2018 at the North Jersey Transportation Planning Authority, Newark, NJ. Seventeen (17) individuals attended the public hearing in Trenton and four (4) provided comments. Eight (8) individuals attended the public hearing in Newark and three (3) provided comments. The Department also accepted written comments submitted on the October 2018 IUP Amendments until close of business on October 24, 2018. Written comments were submitted by ten (10) entities, including several that attended and provided testimony during the public hearings.

The following persons submitted comments on the October 2018 IUP Amendments:

1. Christine Ballard, T&M Associates
2. Ras J. Baraka, Mayor, City of Newark
3. Joseph A. Bella, Executive Director, Passaic Valley Water Commission
4. Michael DeLoreto, Gibbons P.C., on behalf of Passaic Valley Water Commission
5. James G. Fearon, Gluckwalrath LLP, on behalf of the Township of Howell
6. Michael Francis, Mayor, Borough of Hopatcong
7. Peggy Gallos, Association of Environmental Authorities (AEA)
8. Eleni Giannikopoulos, Suburban Consulting Engineers
9. Eileen M. Heinzel, Borough Administrator, Borough of Pennington
10. Dan Kennedy, Utility and Transportation Contractors
11. Janice Kovach, Mayor, Township of Clinton, on behalf of the Clinton Water Department
12. Erin Law
13. William R. Mayer, Decotiis, Fitzpatrick, Cole & Giblin, LLP on behalf of the Atlantic City Municipal Utilities Authority (ACMUA)
14. William R. Mayer, Decotiis, Fitzpatrick, Cole & Giblin, LLP on behalf of the Hardyston Township Municipal Utilities Authority (HTMUA)
15. William Pikolycky, Mayor, Borough of Woodbine
16. Donald Shields, Vice President of Engineering, New Jersey American Water

On December 19, 2018, in response to comments received on the October 2018 IUP Amendments, the Department proposed Supplemental Amendments (December 2018 Supplemental IUP Amendments), reestablishing the population cut-offs for the Nano Loan program back to 10,000 for principal forgiveness; reestablishing loan duration up to 30 years; reestablishing $30M PF for lead service line replacement with yearly project caps per system of $1M, $5M, or $10M based on system size; and reestablishing the Asset Management Program for small systems with high-ranking projects. A public hearing was held on January 9, 2019 at 10:00 AM at the New Jersey Environmental Infrastructure Trust, 3131 Princeton Pike, Building 4, Suite 216, Lawrenceville, NJ. Six (6) individuals attended the public hearing, two (2) provided comments. The Department also received two (2) additional written comments submitted by the January 19, 2019 close of comments date.

The following persons submitted comments on the December 2018 Supplemental IUP Amendments:

1. Dennis W. Doll, President & CEO, Middlesex Water Company
2. Eleni Giannikopoulos, Suburban Consulting Engineers
3. William Pikolycky, Mayor, Borough of Woodbine
4. Donald Shields, Vice President of Engineering, New Jersey American Water

The below summarizes the major public comments received on the October 2018 IUP Amendments and the December 2018 IUP Supplemental Amendments and memorializes the Department's responses.

COMMENT

The Borough of Pennington, Borough of Woodbine, HTMUA, and the AEA all commented on the October 2018 IUP Amendments requesting that the Department restore the $1,000,000 available to small systems for the development of an Asset Management Plan ("AMP") as proposed in the November 2017 Proposed IUP as these funds would help them comply with the requirements of the Water Quality Accountability Act (WQAA). This set-aside, capped at $100,000 per water system serving 10,000 or fewer residents in the November 2017 Proposed IUP, was originally proposed as available as principal forgiveness if the AMP resulted in a capital project costing more than $250,000. E. Law commented that $100,000 is a lot of money for those small systems that need to comply with WQAA, and a small program lasting a few years would allow small water systems to comply with the initial requirements of the WQAA. Furthermore, HTMUA objected to linking AMP funds to subsequent funding projects on a priority basis because a small system accepting the AMP funds may not be able to satisfy the "resulting capital improvement project" condition required for AMP principal forgiveness.

RESPONSE
The October 2018 IUP Amendments eliminated the 100% PF set-aside program for small drinking water systems so that more funds would go towards highly ranked capital projects. However, based on the comments received, the Department has reestablished the Asset Management Program for small drinking water systems with high-ranking projects (e.g. MCL violations, Action Level Exceedances, Contaminants of Emerging Concern, etc.) where the resulting capital improvement project is likely to rank high enough to receive funding. If a water system has a high-ranking project, there is little doubt the water system would be unable to satisfy the condition for subsequent principal forgiveness.

HTMUA is one of the systems that had an approved contract for an AMP prior to July 31, 2018 and received a short-term loan to complete an AMP on September 12, 2018. The AMP will continue to qualify for 100% PF under the terms of the original IUP. However, the Department cannot determine at this time if HTMUA's Water Tank Refurbishment Project will qualify for funding based on rank order. HTMUA is encouraged to submit the required project documentation in case other higher ranked projects fail to meet the deadline for funding and additional funds become available. HTMUA's Water Meter Replacement Project has the option to be transferred for Clean Water State Revolving Fund (CWSRF) funding eligibility due to their water conservation properties.

COMMENT
AEA commented that the sudden shift from loan rates at 75% zero interest/25% market rate to 50% zero interest/50% market rate did not provide borrowers with enough notice (at least 1-year) to adjust capital plans, budgets and rates. Suburban Consulting Engineers commented that the Department should not change both the interest rate and the length of the loan from 30 years to 20 years.

RESPONSE
The November 2017 Proposed IUP provided notice that the Department was considering changes to the program for the FFY19/SFY20 program. The changes were proposed earlier than anticipated in the October 2018 IUP Amendments based on the higher than anticipated demand for drinking water funds in SFY2019 and SFY2020. To ensure the long-term sustainability of the fund, these changes were necessary to finance drinking water projects. However, the Department agrees that the change in both the interest rate and the loan length might jeopardize a water system's ability to make infrastructure improvements for projects already in the system, so the Department changed the loan period back to 30 years in the December 2018 Supplemental IUP Amendments.

COMMENT
The Department received multiple comments from entities that asked for reconsideration of the Nano program and suggested caps for larger projects in order to make more funds available for Nano projects. The Borough of Woodbine and the HTMUA commented in response to the October 2018 IUP Amendments that the Department should grandfather the current Nano program eligibility criteria for applicants who already have projects in the system or reconsider the eligibility criteria and principal forgiveness limits for the Nano-lite program that would allow small systems with slightly over 500 customers to take advantage of the Nano program. The Borough of Hopatcong also noted that reconsideration of these Nano projects is needed to obtain health and safety benefits for small systems. Furthermore, another point noted by Suburban Consulting Engineers is that these smaller public water systems need to convince the governing unit for the town to invest in the drinking water infrastructure by maintaining the attractive loan rates for funding priorities that will encourage other small systems to utilize the available funds. AEA, Suburban Consulting Engineers, and T&M Associates all suggested capping loans for large projects at $10 to $20 million, and/or setting aside $5 to $10 million for projects of under $1 million to assist small systems. T&M and Suburban both noted that $10M is a very significant amount of money to a smaller system that might represent their entire capital improvement plan. AEA also offered an alternate suggestion of returning to the policy of limiting borrowing to public systems.

RESPONSE
In the December 2018 Supplemental IUP Amendments, in response to the comments on the Nano program, the Department has reestablished the population cut-offs for the small systems program at 10,000 or fewer

residents. In addition, $4M will be used for Nano loan program in SFY2019 and in again SFY2020, and will be offered at 50% PF, 25% zero interest, 25% market rate for qualifying systems capped at $500,000 PF per project. Using the higher population cutoff will increase the number of small systems eligible for this loan rate. Although the Department provides special loan rates for small systems, the Department's highest priority is funding projects to address MCL violations and Action Level exceedances, no matter the water system size.

The DWSRF has never been restricted to publicly owned water systems. The Safe Drinking Water Act specifies that community water systems, both publicly and privately-owned, and nontransient noncommunity water systems are eligible for DWSRF funding.

COMMENT
The Borough of Woodbine raised concerns that the delay or loss of DWSRF funds puts other committed United States Department of Agriculture (USDA) grant and loan funds in jeopardy, which make up the balance of the money needed to implement their project. The water system also asked for additional ranking points for water systems in distressed communities like Woodbine. These are the communities that can least afford increased costs through higher user rates and should be afforded additional points to make them more competitive in the ranking system.

RESPONSE
The Department held a conference call with Woodbine on November 26, 2018 to address the concerns regarding the USDA funding. During the call, Woodbine was encouraged to proceed with sending in the project planning and design documents and obtaining the necessary Department permits. Contract documents were submitted November 29, 2018 and are under review. With the changes to the Nano program referenced above, communities with just over 500 residents like Woodbine will be eligible for funding at the Nano rates, should this project be ranked high enough and should funds be available. Project ranking will still be determined by project priority order. Note that Woodbine received additional points under the current ranking system based on median household income. The Department has included a statement in the December Supplemental IUP Amendments, such that projects that have secured federal/non-profit grants to be leveraged with SRF funding will be given priority for funding, as DWSRF funds are available.

COMMENT
NJAW noted that they serve approximately one third of the State's population. The modified loan rates in the October IUP Amendments are not being used to lower customer rates but are being used to fund other needed improvement projects. This is financially penalizing their customers by preventing NJAW from using the capital saved from lower interest rates, and thus causing NJAW to find other financing for needed projects. UTCA also commented that it is hard to understand why the State made decisions (against) those entities that invest in their own service area.

NJAW commented that the merits of providing a higher priority to a project for a system that is in violation of a current primary drinking water standard (surface water treatment technique, MCL or ALE) is hard to understand. The change in allocation methodology discriminates against the largest group of customers in the State, when they supply a wider demographic area that also includes low-income and disadvantaged communities. Furthermore, in comments on the December 2018 IUP Supplemental Amendments, NJAW noted that none of the recommendations related to Investor Owned Utilities were considered in revising the IUP. Their main issue was the negative impact on customers served by investor owned utilities by limiting total available funds ($10 million cap per project) and imposing higher project interest rates (change from 75/25 to 25/75).

In responding to the December 2018 IUP Supplemental Amendments, Middlesex Water Company offered support for NJAW's statements. Specifically, Middlesex Water Company stated that this is yet "another example of disparate treatment between public and private utilities," noting that investors do not receive any benefit from government subsidies. Middlesex Water Company viewed changes to the program to offer

assistance to poorly managed facilities as a reward for bad behavior at the expense of the broader taxpayer base.

RESPONSE
Every year, the Department issues a proposed DWSRF ranking methodology for projects and ranks incoming projects accordingly. This prioritization gives priority to projects that address the most serious risks to human health and are necessary to ensure compliance with the SDWA. In years past, project priority was not an important criterion for determining funding, as there were enough DWSRF funds to fund all project applicants. However, the recent increase in demands on the program, including large private utility projects, based on readiness-to-proceed, depleted the available funds. Projections indicate that inadequate funds would be available to fund high priority projects if the Program continued to finance on a readiness to proceed basis in SFY2019 and SFY2020. Without making changes to the loan rate structure, the Department does not have enough money to fund those projects with the most public health benefit and continue to fund large projects for the investor owned water systems. The change in allocation methodology is not intended to discriminate against the larger utilities but rather focus the limited amount of funds on the projects that best meet the goals of the program and sustain the program in the future.

COMMENT
Comments were both in favor and against the changes to the current rolling deadlines. T&M encouraged the Department to draw definitive deadlines, so small to medium water systems can better understand and utilize the process, as rolling applications mean small and medium size communities cannot take advantage of funding because they have requirements to spend money on an annual basis. Suburban Consulting stated that the rolling deadlines are a benefit to the engineers because of the tight timeframe surrounding budget approvals at the local level. UTCA and NJAW both commented that by not using the readiness-to-proceed approach and moving the loan program backwards towards hard deadlines, we are not allowing those water systems to proceed if they have completed the steps to move forward.

RESPONSE
As the demand for drinking water funding has increased and the available funds decreased, the Department is no longer in the position to use readiness-to-proceed alone as the key indicator for project funding. With limited funds, the Department is focusing our funding efforts on high ranking projects which address identified health-based issues. The Department will certify projects that are in the fundable range in Spring 2020 when additional funds are available. For those projects that received an authorization to advertise or an authorization to award by July 31, 2018, the project will continue to qualify for financing under the terms of the original IUP issued for FFY2018/SFY2019 (November 2017), provided that the water system closes on a short-term loan by June 30, 2019. If the project fails to close on a loan by June 30, 2019, the Department will hold financing until June 30, 2020, however, the project will be subject to the revised loan rates and terms of the amended IUP.

COMMENT
Several commenters suggested changes to the points assessed as part of the Department's ranking system. AEA suggested providing points to projects when they are being done to comply with water quality issues such as emerging contaminants and the WQAA. The NJAW commented that the Department should provide equal priority points to projects that are designed to improve treatment performance that would enhance system reliability to assure adherence to primary drinking water standards. The Clinton Water Department is proactively addressing miles of water mains that are approaching their anticipated useful life and stated that, while not a contaminant, it is arguably an equally serious concern and should be included as a category with an adequate point system to rank such projects with respective importance. The NJAW echoed statement made by Clinton Water Department by stating projects that are designed to improve treatment performance that would enhance system reliability to assure adherence to primary Drinking Water Standards compliance are equally important and should receive equal priority points, otherwise the Department will continue to reward mediocre performance of water suppliers that have historically disregarded their responsibility and likely lack Technical, Managerial and/or Financial (TMF) Capacity. Suburban Consulting Engineers stated that the Department should also consider the water audit

rating system that would prioritize water main replacement and would warrant a higher ranking than traditional water main replacement.

RESPONSE
Revisions to the point system were not one of the proposed changes to the IUP, however the Department assigns the most points to those systems that have exceedances of the MCLs, ALEs and contaminates of emerging concern. With an increasing focus on drinking water issues, such as asset management and emerging contaminants, the Department agrees that a reevaluation of the point system is needed. However, due to the complexity of that task it is anticipated as part of a future IUP.

COMMENT
The Department received comments on the proposed amendments that decreased the principal forgiveness available for Lead Service Line (LSL) replacement projects from $30M to $5M with a $1M cap per municipality. The City of Newark commented that this results in inadequate funds set aside for LSL projects and asked that the funding cap be raised to $6.75M per application for each phase of a LSL replacement project. NJAW commented that there should be no change for LSL replacement projects and the Department should maintain 90% principal forgiveness/10% NJDEP interest-free loans capped at $1 million per municipality served that has a median household income less than the median household income of the county.

RESPONSE
Funding for LSL replacement is a priority both nationwide and for the Department. Therefore, the Department is reestablishing the $30M in principal forgiveness available for LSL replacement. With only $30M available, there are still a limited number of projects that can be funded. The need throughout the State, far surpasses the available funds. The Department is maintaining a cap on the project funds with the goal to provide funding for the water systems that have lead ALEs and are most in need. In addition to having an ALE, the water system is only eligible for this funding if the median household income of the service area is less than the median household income of the county where the water system is located. The Department is raising the cap on the loan amount based on the population served by the water system ($1M, $5M, $10M) per applicant per year, which allows water systems such as Newark with existing lead ALEs to obtain additional principal forgiveness to help cover various phases of a project in subsequent years based on availability. It also gives room for other municipalities, such as Trenton and the PVWC, with lead ALEs, to take advantage of the available funds. At this time, NJAW is not currently eligible for LSL funding since they have not incurred an ALE. Should they incur an ALE, the Department will calculate their eligibility based on the LSL eligibility criteria for MHI.

COMMENT
With regards to the December 2018 IUP Supplemental Amendments, NJAW and Suburban Consulting Engineers stated that lead service line replacements should not be contingent on exceedance of the lead action level. If a system is proactively addressing lead service line replacements, they should be eligible for the same funding. If not, at a minimum they should be available for the funding available.

RESPONSE
As noted in the above response, there are limited amount of funds available for principal forgiveness and so therefore funding must be prioritized for those systems with an exceedance that is currently impacting public health. There are not enough funds to maintain the program at the current rates.

COMMENT
The Township of Howell commented that in applying the "grandfathering" rules, a Department authorization for a project under the Clean Water Program issued prior to September 24, 2018 (the date on which the Proposed DWSRF Program Amendments were announced) should be deemed to satisfy the "grandfathering" rule with respect to a companion project under the Drinking Water Program, where they are in effect a combined project substantially related by geographic scope.

RESPONSE
Clean Water SRF projects are not impacted by the changes. Only drinking water projects are affected. In the case of the Township of Howell, that means the CWSRF project issued prior to September 24, 2018 is proceeding forward. The DWSRF project has not received an authorization to advertise and it will be subject to the proposed IUP revisions. With limited DWSRF funds, all drinking water projects must be funded in project priority order to address those that have the greatest impact on public health.

COMMENT
PVWC stated that using the maximum transfer of CWSRF funds could fund eligible projects that were slated to receive DWSRF dollars.

RESPONSE
The Department has already requested and received approval from the United States Environmental Protection Agency to transfer an amount equal to 33 percent of the State's FFY2018 Drinking Water State Revolving Fund Capitalization Grant from the CWSRF to the DWSRF. This is the maximum amount allowed under the Federal rules. Furthermore, the Department is transferring all drinking water projects, such as water meters, that are eligible for the CWSRF program for funding.

COMMENT
AEA commented that large projects should be required to seek Water Infrastructure Finance and Innovation Act (WIFIA) funding before coming to the I-Bank.

RESPONSE
To date, the Department has not required large systems (or small systems) to use the Water Infrastructure Finance and Innovation Act of 2014 (WIFIA) funds for their projects although this might be considered in the future. WIFIA established the federal credit program administered by EPA for eligible water and wastewater infrastructure projects. Projects eligible for the DWSRF are eligible for funding under WIFIA. WIFA assistance is awarded competitively based on letters of interest received for eligible, creditworthy projects. The WIFIA loan amount is limited to 49% of eligible project costs. State DWSRF funds can be used to provide additional financing as needed.

COMMENT
UTCA and E. Law both stressed that there is a need to work with the legislature to obtain more funding for drinking water infrastructure.

RESPONSE
The Department recognizes that costs to restore and replace critical infrastructure are expected to be in the billions of dollars over the next several decades. Obtaining this funding will require coordination from various entities, public and private, within municipalities and counties and is complicated by the need to properly prioritize necessary infrastructure improvements, increasing regulatory requirements and other community needs. The Department continues to evaluate ways to help offset the costs of meeting regulatory requirements and the paramount goal of protecting public health.

COMMENT
NJAW stated in response to both the October 2018 IUP Amendments and the December 2018 IUP Supplemental Amendments that the Department should allow both private and public entities to demonstrate project level affordability.

RESPONSE
The State developed affordability criteria that assists in identifying applicants that would have difficulty financing projects without additional subsidization. Under the base program, water systems with a median household income (MHI) less than 65% of the State MHI based on the latest 2010 US Census receive adjusted loan rates. When more than one municipality is served by a water system, the weighted municipal population and MHI is used to determine the weighted MHI and determine affordability; affordability is not determined based on the MHI of a single municipality served. Private investor owned

water systems are not eligible for adjusted loan rates based on affordability under the base program. It is unlikely that these water systems would meet the affordability criteria noted above due to their large customer base, which is typically spread across multiple municipalities.

However, the Department does apply an affordability criterion for both privately-owned and publicly-owned water systems under the Department's LSL replacement program due to the potential risk to public health. Water systems that have exceeded the lead action level that serve communities with a median household income (MHI) less than the median household income for the county in which they are located are eligible for principal forgiveness for full lead service line replacement projects. Loans will be offered as 90% principal forgiveness and 10% funding from the DEP at 0% interest. Project applicants are capped at $1, 5 or 10 million per water system (PWSID)/per year based on the population served by the water system.

The DEP has set aside $30 million for principal forgiveness for LSL replacement projects. MHI is calculated using 2017 Census data, in accordance with data obtained from https://www.census.gov/quickfacts/NJ

COMMENT
Atlantic City MUA asked the Department to modify the December 2018 Supplemental IUP Amendments to allocate funds for 100 percent Department financing for drinking water projects for publicly owned utility authorities with service contracts with municipalities that are under State supervision in accordance with Section 4(c)(l)(b) of Chapter 85 of the New Jersey 2018 Public Laws.

RESPONSE
Chapter 85 of the New Jersey 2018 Public Laws provides up to 100 percent of the total allowable loan amount not to exceed a total of $10 million for drinking water project loans to municipalities that do not satisfy the New Jersey Infrastructure Bank credit policy but are subject to State financial supervision and oversight pursuant to the "Local Government Supervision Act (1947), " P. L. 1947. c. 151 (C. 52:27BB-1 et seq.). The law does not require the Department to provide the full 100% financing from the Department. Therefore, financing for these systems will be in ranked order based on the amendments to the IUP.

COMMENT
In responding to the December 2018 IUP Supplemental Amendments, Suburban Consulting Engineers stated that midsize systems, as well as other projects in the queue, should receive consideration to honor funding of the project at the proposed rate of 50% interest free financing from the Department and 50% at the I-Bank market rate with the remaining funds that are left in the state fiscal year.

RESPONSE
As noted in the public notice for the amendments to the IUP, the success of the program has resulting in funding a record number of projects. Funding under the existing loan terms by year of application or by the current project rank would put the long-term viability of the DWSRF fund in jeopardy. The proposed changes are necessary to accommodate the maximum number of projects and ensure the highest priority public health projects will be able to be funded with the limited funds available.

COMMENT
Howell stated that in a case where a governmental entity is the indirect obligor of at least 50% of the debt service on a loan under the Drinking Water Program, that such loan would be entitled to 0% financing at the one-half funding level applicable to loans to governmental entities (as opposed to the one-quarter funding level applicable to loans to investor-owned utilities).

RESPONSE
The proposed changes are intended to balance the interests of investor owned and municipally owned water systems. A governmental entity is the indirect obligor of almost all private or investor-owned utilities that serve those municipalities. The DWSRF provides financing directly to the water system and not to the municipality. Based upon this and the large number of government entities in the State,

offering 0% financing or a more favorable Base DWSRF financing package is not sustainable long term for these water systems.

COMMENT
PVWC made several comments on the proposed IUP. First, stating that the funding cap per project for Disadvantaged Communities be eliminated. Second, that the fifteen highest ranked DWSRF projects receive greater access to zero-interest loans for their projects, with at least 75 percent of the entire project's cost eligible for the zero-interest loan program. Finally, that the loan terms are provided to the Project based upon the IUP in effect at the time the application was submitted, rather than at the time of the loan closure.

RESPONSE
As stated above, the NJ Water Bank has funded a record number of projects and currently has many more project applications in-house in FFY2018 than in previous years. Funding under the existing loan terms by year of application or by the current project rank would put the long-term viability of the DWSRF fund in jeopardy. The proposed changes are necessary to accommodate the maximum number of projects and ensure the highest priority public health projects will be able to be funded with the limited funds available.

Transcripts of the hearings on the October 2018 IUP Amendments are available from the transcription services (Guy J. Renzi & Associates of Trenton, NJ) to any interested person or organization upon request. Transcripts of the hearing on the December 2018 IUP Supplemental Amendments are available from the transcription services (Rosenberg & Associates, Inc. of Florham Park, NJ) to any interested person or organization upon request. In addition, copies of the transcripts may be reviewed at the NJDEP's offices at 401 East State Street in Trenton, New Jersey.

Appendix 5

Date generated: March 21, 2019

STATE OF NEW JERSEY
FINAL FEDERAL FISCAL YEAR 2019 PROJECT PRIORITY LIST (DW)

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Total Project Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Total Points
1	Newark City	0714001-012	Construction of a cover for the Cedar Grove Reservoir	285,000	$50,000,000	$12,730,000	$62,730,000	500	50	20	0	0	0	80	2.85	652.85
2	Passaic Valley Water Commission	1605002-024	Installation of a 2.0 MG storage tank next to existing Verona storage tank	347,052	$2,970,000	$1,566,800	$4,536,800	500	0	20	0	0	0	80	3.47	603.47
4	Passaic Valley Water Commission	1605002-014	Levine Reservoir Water Storage Improvements - Phase 1	314,900	$17,142,000	$5,186,920	$22,328,920	500	0	20	0	0	0	80	3.15	603.15
5	Newark City	0714001-019	Phase-1 Lead Service Line Replacement (LSLR) Project	280,139	$6,000,000	$1,528,353	$7,528,353	250	50	15	0	5	0	80	2.8	402.8
7	Hopatcong Borough	1912001-009	Installation of 48-inch pipe at wells to increase chlorine contact time at nine wells	7,900	$750,000	$525,000	$1,275,000	350	0	15	0	0	0	0	0.08	365.08
8	Passaic Valley Water Commission	1605002-026	PVWC Lead Service Line Replacement	147,000	$1,400,000	$578,000	$1,978,000	250	0	20	0	0	0	80	3.47	353.47
9	Buttonwood Mobile Home Park	0301001-001	Buttonwood system	77	$240,000	$78,000	$318,000	250	0	0	0	0	0	80	0	330
10	Trenton City	1111001-011	Lead Service line replacement	391,000	$13,000,000	$2,900,000	$15,900,000	250	50	15	0	5	0	0	3.91	323.91
13	Bloomfield Township	0702001-003	Lead Service Line Replacement	47,982	$875,000	$1,440,000	$1,098,395	300	0	15	0	5	0	0	0.47	305.47
14	NJ American Water Company, Incorporated	1345001-017	Oak Street Treatment Plant Improvements	290,470	$4,239,000	$2,763,840	$7,002,840	250	50	0	0	0	0	0	2.9	302.9
15	Aqua New Jersey Incorporate	1103001-005	Addition of radium treatment at Well 9 to resolve MCL exceedance	49,000	$583,100	$418,226	$1,001,326	250	50	0	0	0	0	0	0.49	300.49
16	North Shore Water Association	1904004-001	Existing Well Requires Replacement	105	$360,000	$158,000	$518,000	300	0	0	0	0	0	0	0	300
~~16~~	~~North Shore Water Association~~	~~1904004-994~~	~~Water System Refurb~~	~~105~~	~~$100,000~~	~~$145,400~~	~~$245,400~~	~~300~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~300~~
18	ADTI Housing Corporation	2103002-001	Chlorination system	83	$243,700	$170,590	$414,290	250	0	0	0	0	0	30	0	280
19	Bloomfield Township	0702001-004	Interconnection Project	47,315	$1,920,000	$491,000	$2,592,000	250	0	15	0	0	0	15	0.47	270.47
20	North Jersey District Water Supply Commission	1613001-013	Construction of a new 50 MGD Bellville Pump Station	872,153	$25,000,000	$11,690,000	$36,690,000	160	50	20	0	0	0	30	8.72	268.72
21	Winslow Township	0436007-006	Add radium removal treatment at existing wells 1 and 8 to correct Maximum Contaminant Level violations	39,328	$4,953,080	$2,439,355	$7,392,435	250	0	15	0	0	0	0	0.39	265.39
22	Belleville Township	0701001-003	Replacement of 7,000 lead service lines	35,928	$14,000,000	$5,940,000	$19,940,000	250	0	0	0	0	0	15	0.36	265.36
22	Belleville Township	0701001-004	Installation of lead corrosion control measures at four interconnections	35,928	$400,000	$280,000	$680,000	250	0	0	0	0	0	15	0.36	265.36
24	Upper Deerfield Township	0613004-001	Radium Treatment Removal for Love Lane WTP (wells # 3 & 4)	4,500	$2,200,000	$1,228,000	$3,428,000	250	0	0	0	0	0	15	0.04	265.04
26	New Brunswick City	1214001-005	Water Treatment Plant Improvements	50,000	$10,435,000	$6,155,300	$16,590,300	100	50	20	5	0	0	80	0.5	255.5
27	Newark City	0714001-001	Construction of an ozonation facility	285,000	$10,000,000	$4,660,000	$14,660,000	100	50	20	0	0	0	80	2.85	252.85
27	Newark City	0714001-013	Removal and disposal of sludge from lagoon	285,000	$3,000,000	$1,580,000	$4,580,000	100	50	20	0	0	0	80	2.85	252.85
27	Newark City	0714001-016	Pequannock Water Treatment Plant Rehab	285,000	$6,658,000	$5,020,400	$11,678,400	100	50	20	0	0	0	80	2.85	252.85
30	Camden City	0408001-015	Morris-Delair WTP improvements - Phase II	77,344	$919,790	$524,245	$1,444,035	100	50	20	0	0	0	80	0.77	250.77
30	Camden City	0408001-016	Parkside WTP various improvements	77,344	$245,277	$139,797	$385,074	100	50	20	0	0	0	80	0.77	250.77
32	Moorestown Township	0322001-001	North Church Street Water Treatment Plant Upgrade	20,726	$15,260,000	$4,601,000	$19,861,000	250	0	0	0	0	0	0	0.21	250.21
33	Ramsey Borough	0248001-009	Arsenic treatment system at the Spring Street Treatment Facility	16,350	$422,903	$373,372	$796,275	250	0	0	0	0	0	0	0.16	250.16
36	Sparta Township	1918004-003	Installation of uranium treatment equipment at two of the existing Autumn Hill well house (Well 1 and Well 2)	15,726	$350,000	-$14,000	$336,000	250	0	0	0	0	0	0	0.16	250.16
38	East Orange City	0705001-014	Water System Improvement and Resiliency Project 2017	65,078	$19,520,000	$5,805,200	$25,325,200	100	50	0	5	0	0	80	0.65	235.65
39	Newark City	0714001-002	Rehab of 42-inch Steel water main including cleaning & lining	285,000	$3,000,000	$2,070,000	$5,070,000	75	50	20	0	0	0	80	2.85	227.85
39	Newark City	0714001-008	Cleaning and lining of water mains, upgrading 4 inch mains to 6 & 8 inch mains, replace old fire hydrants	285,000	$24,800,000	$9,396,000	$34,196,000	75	50	20	0	0	0	80	2.85	227.85
39	Newark City	0714001-009	Replacement of 12,000 Lead service lines	285,000	$30,000,000	$11,060,000	$41,060,000	75	50	20	0	0	0	80	2.85	227.85
39	Newark City	0714001-017	Water Distribution System Upgrades	285,000	$971,100	$1,538,580	$2,509,680	75	50	20	0	0	0	80	2.85	227.85
44	Camden City	0408001-004	Replacement of water mains on South Merrimac Road and New Hampshire Road	77,344	$4,100,000	$2,064,000	$6,164,000	75	50	20	0	0	0	80	0.77	225.77
44	Camden City	0408001-013	Cleaning & Lining of distribution and transmission mains	77,344	$7,971,514	$4,543,450	$12,514,964	75	50	20	0	0	0	80	0.77	225.77
44	Camden City	0408001-014	Replacement of Lead Service Lines	77,344	$567,000	$396,900	$963,900	75	50	20	0	0	0	80	0.77	225.77
44	Camden City	0408001-020	Cleaning and lining of a transmission mains	77,344	$7,358,322	$4,193,950	$11,552,272	75	50	20	0	0	0	80	0.77	225.77
48	Bridgeton City	0601001-005	Replacement of 2,190 LF of 6 inch with 8 inch main	22,770	$1,723,000	$724,600	$2,447,600	75	50	15	0	0	0	80	0.23	220.23
49	Brick Township Municipal Utilities Authority	1506001-011	Granular Activated Carbon (GAC) Treatment Addition	134,108	$16,000,000	$4,890,000	$20,890,000	200	0	15	0	0	0	0	1.34	216.34
50	Newark City	0714001-007	Construction of a hydro-electric facility at the pre-treatment plant screen building	285,000	$6,000,000	$3,750,000	$9,750,000	45	50	20	0	0	15	80	2.85	212.85
51	Atlantic City Municipal Utilities Authority	0102001-006	1 MG Storage Tank Sand Blasting and painting	94,225	$1,345,500	$1,042,626	$2,388,126	60	50	20	0	0	0	80	0.94	210.94
52	East Orange Water Commission	0705001-002	Cleaning & Lining of mains	80,468	$2,164,500	$1,212,380	$3,376,880	75	50	0	5	0	0	80	0.8	210.8
52	East Orange Water Commission	0705001-006	Replacement of west well transmission main	80,468	$2,500,000	$1,360,000	$3,860,000	75	50	0	5	0	0	80	0.8	210.8
52	East Orange Water Commission	0705001-007	Replacement of fifteen water mains suspended on Garden State Parkway bridges	80,468	$2,500,000	$1,360,000	$3,860,000	75	50	0	5	0	0	80	0.8	210.8

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Total Project Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Total Points
52	East Orange Water Commission	0705001-010	Installation of 2,150 LF of 8-inch & 1,400 LF of 4-inch for a redevelopment	80,468	$325,000	$227,500	$552,500	75	50	0	5	0	0	80	0.8	210.8
56	Camden City	0408001-006	Rehabilitate the North Camden pump station	77,344	$500,000	$350,000	$850,000	60	50	20	0	0	0	80	0.77	210.77
57	Atlantic City Municipal Utilities Authority	0102001-005	Installation of solar system at offices and at WTP	47,011	$4,000,000	$2,020,000	$6,020,000	45	50	20	0	0	15	80	0.47	210.47
58	North Jersey District Water Supply Commission	1613001-012	Improvement of chemical feed equipment, pressure gauges, meters and alarms for increased security measures	872,153	$500,000	$475,000	$975,000	100	50	20	0	0	0	30	8.72	208.72
58	North Jersey District Water Supply Commission	1613001-014	Construction of a 6 MG baffled clearwell and rehab of an existing clearwell to include baffles	872,153	$5,000,000	$3,190,000	$8,190,000	100	50	20	0	0	0	30	8.72	208.72
58	North Jersey District Water Supply Commission	1613001-016	Install 6 Layer Aerators including air piping and appurtenances.	872,153	$1,000,000	$950,000	$1,950,000	100	50	20	0	0	0	30	8.72	208.72
58	North Jersey District Water Supply Commission	1613001-020	Rehabilitation of existing WTP	872,153	$4,250,000	$2,770,000	$7,020,000	100	50	20	0	0	0	30	8.72	208.72
58	North Jersey District Water Supply Commission	1613001-022	Basins 5 & 6 Rehabilitation	872,153	$12,095,000	$6,927,370	$19,022,370	100	50	20	0	0	0	30	8.72	208.72
58	North Jersey District Water Supply Commission	1613001-025	Recycle Clear Phase to the Head of the Treatment Plant	872,153	$5,130,000	$3,207,360	$8,337,360	100	50	20	0	0	0	30	8.72	208.72
58	North Jersey District Water Supply Commission	1613001-026	Low Lift Gas Pump	872,153	$9,142,875	$5,502,725	$14,645,600	100	50	20	0	0	0	30	8.72	208.72
58	North Jersey District Water Supply Commission	1613001-027	Expansion of Aeriation System	872,153	$1,554,000	$1,161,888	$2,715,888	100	50	20	0	0	0	30	8.72	208.72
58	North Jersey District Water Supply Commission	1613001-028	Filter Bldg Pipe Gallery Dehumid	872,153	$1,246,000	$985,712	$2,231,712	100	50	20	0	0	0	30	8.72	208.72
58	North Jersey District Water Supply Commission	1613001-029	Basins 1-4 Flocculator Rehabilitation	872,153	$1,970,000	$1,399,840	$3,369,840	100	50	20	0	0	0	30	8.72	208.72
58	North Jersey District Water Supply Commission	1613001-031	Purchase and Install New Dewatering System	872,153	$2,469,700	$1,937,660	$4,407,360	100	50	20	0	0	0	30	8.72	208.72
58	North Jersey District Water Supply Commission	1613001-032	Rehabilitation of Treatment Facility	872,153	$2,465,520	$1,683,276	$4,148,796	100	50	20	0	0	0	30	8.72	208.72
70	Aqua New Jersey Incorporate	2119001-008	Replacement of 7,080 LF of undersized water mains in Philipsburg	33,560	$1,062,000	$727,280	$1,789,280	75	50	0	0	0	0	80	0.34	205.34
71	Buena Vista Township	0660004-001	Water Main extension due to private well contamination	184	-	-	-	125	0	0	0	0	0	80	0	205
72	Passaic Valley Water Commission	1605002-018	Upgrade residual treatment process to include belt thickners	347,052	$5,000,000	$2,460,000	$7,460,000	100	0	20	0	0	0	80	3.47	203.47
73	Newark City	0714001-011	Rehabilitation of the basculate gate at the Charlotteburgh Reservoir with alarm and control systems	285,000	$2,000,000	$1,140,000	$3,140,000	45	50	20	0	0	0	80	2.85	197.85
75	East Orange Water Commission	0705001-009	Installation of solar power at water treatment plant	80,468	$1,000,000	$700,000	$1,700,000	45	50	0	5	0	15	80	0.8	195.8
76	East Orange City	0705001-012	WORPS SCADA Instrumentation/Controls Planning and Design	65,078	$3,000,000	$2,070,000	$5,070,000	60	50	0	5	0	0	80	0.65	195.65
76	East Orange City	0705001-013	WORPS Emergency Backup Power Generator Planning and Design	65,078	$3,420,000	$2,184,000	$5,604,000	60	50	0	5	0	0	80	0.65	195.65
78	Salem City	1712001-003	Upgrades to WTP to address taste and odor problems	5,857	$4,500,000	$2,240,000	$6,740,000	100	0	15	0	0	0	80	0.06	195.06
79	Egg Harbor City	0107001-002	Replacement of a water treatment plant	4,700	$8,500,000	$2,768,740	$11,268,740	100	0	15	0	0	0	80	0.05	195.05
80	Camden City	0408001-021	New Auto Meter Reading Equip for entire City	77,344	$100,000	$3,108,500	$3,208,500	25	50	20	0	0	15	80	0.77	190.77
81	North Jersey District Water Supply Commission	1613001-006	Construct a 48 inch by-pass main and rehabilitate the single 70+ yr old 74 inch aqueduct	872,153	$15,000,000	$6,260,000	$21,260,000	75	50	20	0	0	0	30	8.72	183.72
81	North Jersey District Water Supply Commission	1613001-009	Rehab of the Kearny/Bayonne Transmission main	872,153	$5,600,000	$3,526,000	$9,126,000	75	50	20	0	0	0	30	8.72	183.72
83	Jersey City Municipal Utilities Authority	0906001-017	Boonton Plant Centrifuge	264,290	$1,450,200	$290,040	$1,740,240	100	50	15	0	0	0	15	2.64	182.64
84	Tuckerton Borough	1532002-004	Rehabilitation of three green sand filter tanks and one backwash tank	3,365	$109,000	$49,050	$158,050	100	35	15	0	0	0	30	0.03	180.03
85	Woodbine Borough	0516001-001	WTP Upgrade and water main extension	2,472	$2,437,500	$1,001,230	$3,438,730	100	0	0	0	0	0	80	0.02	180.02
86	Passaic Valley Water Commission	1605002-015	Replace approximately 200 large antiquated valves	347,052	$2,000,000	$1,140,000	$3,140,000	75	0	20	0	0	0	80	3.47	178.47
86	Passaic Valley Water Commission	1605002-017	Installation of 7000 LF of 12-inch main to replace Granite Ave storage tank	347,052	$1,700,000	$1,008,000	$2,708,000	75	0	20	0	0	0	80	3.47	178.47
86	Passaic Valley Water Commission	1605002-019	Installation of 2200 LF of 12-inch main to connect Eastside Pumping station to Patersons downtown area	347,052	$600,000	$420,000	$1,020,000	75	0	20	0	0	0	80	3.47	178.47
89	Newark City	0714001-010	Replacement of 38,234 old water meters in the distribution system.	285,000	$19,000,000	$7,540,000	$26,540,000	25	50	20	0	0	0	80	2.85	177.85
90	Newark City	0714001-018	Replacement of Water Distribution Mains	273,000	$3,000,000	$2,070,000	$5,070,000	75	0	20	0	0	0	80	2.73	177.73
91	Atlantic City Municipal Utilities Authority	0102001-007	Water Main Replacement Program	94,225	-	-	-	75	0	20	0	0	0	80	0.95	175.95
93	Jersey City Municipal Utilities Authority	0906001-019	Route 139 Water Main Replacement Project	262,000	$5,000,000	$1,060,000	$6,060,000	75	50	20	5	5	0	15	2.62	172.62
94	Wildwood City	0514001-006	2019 Capital Improvements (Drinking Water)	94,333	$4,756,511	-	$6,183,204	75	0		0	0	0	80	0.94	170.94
95	Manchester Township	1518005-001	Various main replacements	26,877	$243,890	$56,585	$300,475	75	0	15	0	0	0	80	0.27	170.27
96	Lakehurst Borough	1513001-002	Water Main Replacement Project Phase I	2,654	$860,820	$223,813	$1,084,633	75	0	15	0	0	0	80	0.03	170.03
~~97~~	~~Arthur Road Well Association~~	~~1912007-001~~	~~Connection of this system to Hopatcong Borough~~	~~60~~	~~$200,000~~	~~$299,500~~	~~$499,500~~	~~170~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~170~~
98	North Jersey District Water Supply Commission	1613001-019	Ramapo Pump Station Improvements	872,153	$12,000,000	$6,750,000	$18,750,000	60	50	20	0	0	0	30	8.72	168.72
98	North Jersey District Water Supply Commission	1613001-021	Implementation of alternative energy generation systems at the Wanaque TP	872,153	$2,500,000	$1,790,000	$4,290,000	45	50	20	0	0	15	30	8.72	168.72
98	North Jersey District Water Supply Commission	1613001-035	Rehabilitation of Pump Stations	872,153	$1,000,000	$5,181,742	$6,181,742	60	50	20	0	0	0	30	8.72	168.72
101	Camden City	0408001-022	Install potable wells/flr elevations at Morris Delair WTP	77,344	$100,000	$2,300,000	$2,400,000	15	50	20	0	0	0	80	0.77	165.77
102	Passaic Valley Water Commission	1605002-020	Replacement of Prospect Park storage tank	347,052	$800,000	$560,000	$1,360,000	60	0	20	0	0	0	80	3.47	163.47
102	Passaic Valley Water Commission	1605002-023	Decommissing of Granite Avenue Tank	347,052	$1,700,000	$1,008,000	$2,708,000	60	0	20	0	0	0	80	3.47	163.47

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Total Project Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Total Points
104	Brick Township Municipal Utilities Authority	1506001-014	Water Main Replacement on Cartagena Drive, Alhama Drive, Cadiz Drive, Valencia Drive and Monterey Drive	86,898	$1,600,000	$495,000	$2,095,000	75	50	20	0	0	0	15	0.87	160.87
105	Berkeley Township Municipal Utilities Authority	1505004-003	Install new solar panels at treatment plant	8,130	$750,000	$525,000	$1,275,000	45	0	20	0	0	15	80	0.08	160.08
106	Netcong Borough	1428001-002	Replacement of leaking water mains	3,236	$1,150,000	$766,000	$1,916,000	75	50	15	5	0	0	15	0.03	160.03
106	Netcong Borough	1428001-004	Replacement of 8in water main	3,236	$1,597,665	$962,972	$2,560,637	75	50	15	5	0	0	15	0.03	160.03
106	Netcong Borough	1428001-007	Replace WM on Route 46, Extend WM on Rte 80, Replace Meters	3,236	$2,465,360	$1,683,186	$4,148,546	75	50	15	5	0	0	15	0.03	160.03
109	NJ American Water Company, Incorporated	0712001-016	NJ American Water Lead Service Line Replacement Program PWSID 0712001	54,425	$2,805,000	$1,027,600	$3,832,600	75	0	0	0	0	0	80	0.54	155.54
110	Wildwood City	0514001-004	Wildwood Boardwalk water main replacement	45,500	$1,820,080	$674,016	$2,494,096	75	0	0	0	0	0	80	0.45	155.45
111	Deptford Township Municipal Utilities Authority	0802001-002	Water Main Replacement at East Woodbury	30,590	$1,122,360	-	$1,531,832	75	0		0	0	0	80	0.31	155.31
111	Deptford Township Municipal Utilities Authority	0802001-003	Water Main Replacement at Country Club Estates	30,590	$893,481	$231,180	$1,188,377	75	0		0	0	0	80	0.31	155.31
113	Manchester Township	1518005-002	Repaint and repair one MG elevated storage facility	21,083	$4,169,100	$1,380,014	$5,549,114	60	0	15	0	0	0	80	0.21	155.21
115	Lower Township Municipal Utilities Authority	0505002-003	Villas East Phase 2 and Lower Cape May Regional water main extensions	22,393	$5,146,520	$1,776,886	$6,923,406	125	0	0	0	0	0	30	0.1	155.1
116	Hopatcong Borough	1912001-001	Hudson Avenue Water Main Installation	7,224	$750,000	$150,000	$900,000	125	0	15	0	0	15	0	0.07	155.07
117	Little Egg Harbor Municipal Utilities Authority	1516001-005	Little Egg Harbor Water Improvements Phases I	6,667	$4,789,562	$2,107,404	$6,896,966	75	50	15	0	0	0	15	0.07	155.07
118	Paulsboro Borough	0814001-003	Water Main Replacement (Thomson, Wood, Eliz. and Commerce St.)	6,025	$850,000	$1,877,722	$2,727,722	75	0	0	0	0	0	80	0.06	155.06
119	Sussex Borough	1921001-007	Sussex Borough Main Street Water Main Replacement Project	2,201	$496,477	$644,047	$595,772	75	0	0	0	0	0	80	0.02	155.02
120	Sussex Borough	1921001-005	Lake Rutherford Water Line Installation Project	2,130	$1,018,000	$203,600	$1,221,600	75	0	0	0	0	0	80	0.02	155.02
120	Sussex Borough	1921001-006	Water Systems Enhancements	2,130	$186,000	$37,200	$223,200	75	0	0	0	0	0	80	0.02	155.02
122	Newark City	0714001-014	Installation of a SCADA system	285,000	$2,500,000	$1,360,000	$3,860,000	1	50	20	0	0	0	80	2.85	153.85
123	North Jersey District Water Supply Commission	1613001-018	Security system improvements - Relocation of Wanaque WTP main entrance gate closer to Ringwood Blvd	872,153	$3,000,000	$1,890,000	$4,890,000	45	50	20	0	0	0	30	8.72	153.72
123	North Jersey District Water Supply Commission	1613001-023	Security system improvements	872,153	$1,500,000	$1,200,000	$2,700,000	45	50	20	0	0	0	30	8.72	153.72
123	North Jersey District Water Supply Commission	1613001-033	Security Enhancements Project - Orechio Dr Complex	872,153	$2,632,200	$2,030,610	$4,662,810	45	50	20	0	0	0	30	8.72	153.72
123	North Jersey District Water Supply Commission	1613001-034	Security, IT and Safety Projects	872,153	$950,350	$803,046	$1,753,396	45	50	20	0	0	0	30	8.72	153.72
127	NJ American Water Company, Incorporated	1345001-018	Oak Glenn Treatment Plant Expansion	290,470	$26,920,000	$12,419,600	$39,339,600	100	50	0	0	0	0	0	2.9	152.9
129	Middlesex Water Company	1225001-029	CJO Plant Upgrade - DBP Removal Treatment	282,741	$21,043,630	$6,201,344	$27,244,974	100	50	0	0	0	0	0	1.33	151.33
130	East Orange Water Commission	0705001-004	Rehab of Braidburn wells #1 & #2; Canoe Brook wells #2, #3 & #4	80,468	$1,196,000	$786,240	$1,982,240	15	50	0	5	0	0	80	0.8	150.8
130	East Orange Water Commission	0705001-005	Replacement of electrical cable for wellfield which includes Well Nos. 3, 4 & 5	80,468	$950,000	$665,000	$1,615,000	15	50	0	5	0	0	80	0.8	150.8
132	Mahwah Township	0233001-006	Rehabilitation of Ford Wellfield treatment, pumps & motors, electrical, SCADA and transmission mains	24,062	$4,600,000	$2,250,536	$6,850,536	100	50	0	0	0	0	0	0.24	150.24
133	Freehold Borough	1315001-002	Water Plant Development	12,052	$5,000,000	-	$6,440,000	100	0		0	0	0	30	0.12	150.12
134	Salem City	1712001-004	Salem City Water Meter	4,931	$1,092,100	$253,420	$1,345,520	35	0	15	0	5	15	80	0.05	150.05
135	Willingboro Municipal Utilities Authority	0338001-002	Replacement of 56,000 LF of 6 and 8-inch mains-Twin Hills	34,731	$8,100,000	$2,350,880	$10,450,880	75	50	20	0	0	0	0	0.35	145.35
135	Willingboro Municipal Utilities Authority	0338001-003	Replacement of 6 & 8 inch mains in RIttenhouse section	34,731	$1,585,600	$957,664	$2,543,264	75	50	20	0	0	0	0	0.35	145.35
137	Vineland City	0614003-012	Upgrades to well #4 water treatment plant including a new air stripping tower	33,000	$756,000	$529,200	$1,285,200	100	0	15	0	0	0	30	0.33	145.33
137	Vineland City	0614003-013	Upgrades to the existing water treatment plant at well #13 with new replacement well #18.	33,000	$4,000,000	$2,020,000	$6,020,000	100	0	15	0	0	0	30	0.33	145.33
139	Stafford Township	1530004-016	Installation of 5,000 LF of main under the GSP as secondary crossing	28,868	$3,000,000	$1,580,000	$4,580,000	75	35	20	0	0	0	15	0.29	145.29
139	Stafford Township	1530004-017	Replacement of 1,600 LF of water main on Charles Blvd	28,868	$363,066	$344,910	$707,976	75	35	20	0	0	0	15	0.29	145.29
142	Egg Harbor City	0107001-001	Construction of a new storage tank	4,700	$2,000,000	$340,000	$2,340,000	50	0	15	0	0	0	80	0.05	145.05
143	Netcong Borough	1428001-005	Roof and Structural repairs to a 1MG reservoir	3,236	$608,125	$425,687	$1,033,812	60	50	15	5	0	0	15	0.03	145.03
143	Netcong Borough	1428001-008	Rehabilitate existing storage facilities	3,236	$373,000	$1,190,014	$1,563,014	60	50	15	5	0	0	15	0.03	145.03
145	Manchester Utilities Authority	1603001-007	Replace existing booster station	12,111	$1,100,000	$744,000	$1,844,000	60	50	15	0	0	0	15	0.12	140.12
146	Berkeley Township Municipal Utilities Authority	1505004-004	Install automated meter reading system	8,130	$500,000	$350,000	$850,000	25	0	20	0	0	15	80	0.08	140.08
147	Upper Deerfield Township	0613004-002	Seabrook Water Tower Replacement (Upper Deerfield)	2,964	$1,615,000	$323,000	$1,938,000	60	0	0	0	0	0	80	0.03	140.03
148	Waterford Township Municipal Utilities Authority	0435003-001	New water mains for Maximum Contaminant Level violations	2,408	$1,465,738	$904,923	$2,370,661	125	0	15	0	0	0	0	0.02	140.02
149	Mount Arlington Borough	1426005-003	Altenbrand, Windemere, McGregor and Lee Water Main Extension	133	$1,529,000	-	$2,020,000	125	0		0	0	0	0	0.02	140.02
150	Jersey City Municipal Utilities Authority	0906001-025	Phase 1 & 2 Water Main Replacement Project	264,161	$16,166,000	$3,345,200	$19,511,200	75	0	20	5	5	15	15	2.62	137.62
150	Jersey City Municipal Utilities Authority	0906001-026	5-B Water Project	250,000	$6,100,000	$725,400	$7,320,000	75	0	15	0	5	0	30	2.62	137.62
152	East Orange City	0705001-500/001	Install generators -White Oak Rd	80,468	$3,217,000	$1,159,440	$4,376,440	1	50	0	5	0	0	80	0.8	136.8
153	Atlantic City Municipal Utilities Authority	0102001-009	Water Meter and MTU Replacement	75,619	$2,210,000	$350,000	$2,652,000	25	0		0	0	0	80	0.76	135.76

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Total Project Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Total Points
154	Burlington City	0305001-002	Meter Replacement & Filter Rehabilitation	9,835	$2,785,000	$815,000	$3,600,000	100	0	0	5	0	0	30	0.1	135.1
155	Passaic Valley Water Commission	1605002-010	Installation of a back up Wanaque interconnection line	347,052	$750,000	$525,000	$1,275,000	30	0	20	0	0	0	80	3.47	133.47
155	Passaic Valley Water Commission	1605002-016	Upgrade the interconnection with United WC	347,052	$2,000,000	$1,140,000	$3,140,000	30	0	20	0	0	0	80	3.47	133.47
155	Passaic Valley Water Commission	1605002-022	Emergency interconnection upgrade	347,052	$2,000,000	$1,140,000	$3,140,000	30	0	20	0	0	0	80	3.47	133.47
158	Jersey City Municipal Utilities Authority	0906001-006	Transmission Main Install	247,000	$13,500,000	$6,310,000	$19,810,000	75	0	20	5	0	0	30	2.47	132.47
158	Jersey City Municipal Utilities Authority	0906001-010	Journal Square North Cleaning	247,000	$5,000,000	$3,134,000	$8,134,000	75	0	20	5	0	0	30	2.47	132.47
158	Jersey City Municipal Utilities Authority	0906001-012	Water Main Replacement	247,000	$12,000,000	$6,886,000	$18,886,000	75	0	20	5	0	0	30	2.47	132.47
158	NJ City Univ. / Jersey City Municipal Utilities Authority	0906001-005	Redevelopment of Brownfield site	247,000	$882,867	$601,385	$1,484,252	75	0	20	5	0	0	30	2.47	132.47
163	Pine Hill Municipal Utilities Authority	0428002-001	Construction of GAC filtration system for removal of IPMP - Critical Area #2	12,492	$250,000	$175,000	$425,000	100	0	0	0	0	0	30	0.12	130.12
164	Bellmawr Borough	0404001-005	Improvements to WTP	11,583	$415,500	$83,100	$498,600	100	0	0	0	0	0	30	0.12	130.12
165	Sussex Borough	1921001-001	Water Treatment Plant upgrades	2,666	$116,857	-$16,359	$100,498	100	0	0	0	0	0	30	0.03	130.03
166	Bayville Central Regional Board of Education	1505355-001	Additional treatment on existing well	2,500	$1,000,000	$700,000	$1,700,000	100	0	0	0	0	0	30	0.02	130.02
167	Downe Township	0604001-004	Construction of new storage tank on New Jersey Avenue	770	$600,000	$420,000	$1,020,000	50	0	0	0	0	0	80	0.01	130.01
168	Middlesex Water Company	1225001-018	Construction of a water main	233,376	$23,200,000	$8,884,000	$32,084,000	75	50	0	0	0	0	0	2.33	127.33
168	Middlesex Water Company	1225001-019	Replacement of 5,000 LF of 24-inch cast iron mains	233,376	$4,200,000	$2,108,000	$6,308,000	75	50	0	0	0	0	0	2.33	127.33
172	Middlesex Water Company	1225001-028	RENEW 2018 - Woodbridge Twp.	22,844	$8,591,350	$2,607,612	$11,198,962	75	50	0	0	0	0	0	1.33	126.33
173	Atlantic City Municipal Utilities Authority	0102001-008	Water Meter Replacement Program	94,225	-	-	-	25	0	20	0	0	0	80	0.95	125.95
174	Bayonne Municipal Utilities Authority	0901001-004	Rehabilitation of gate house valve chamber and venturi flow meter	61,842	$900,000	$594,000	$1,494,000	75	0	20	0	0	0	30	0.62	125.62
175	Aqua New Jersey Incorporate	0415002-008	Replacement of 5,900 LF of water main on Lakeside, East Blenheim, Haines, Lake & Church, etc	49,350	$936,100	$723,456	$1,659,556	75	50	0	0	0	0	0	0.49	125.49
176	Long Beach Township	1517001-013	Replacement of water mains	35,367	$2,466,545	$1,345,279	$3,811,824	75	50	0	0	0	0	0	0.35	125.35
177	Wall Township	1352003-001	Route 138 Water Main Improvements	26,146	$886,000	$1,486,820	$2,372,820	75	50	0	0	0	0	0	0.26	125.26
177	Wall Township	1352003-002	Route 34 Water Main Improvements	26,146	$1,849,100	$3,121,922	$4,971,022	75	50	0	0	0	0	0	0.26	125.26
179	Ramsey Borough	0248001-001	Construction of mains (Rte 17, Grant & Airmount)	16,350	$1,690,000	$1,003,600	$2,693,600	75	50	0	0	0	0	0	0.16	125.16
179	Ramsey Borough	0248001-002	Replacement of mains (Carol & Maple)	16,350	$1,340,000	$849,600	$2,189,600	75	50	0	0	0	0	0	0.16	125.16
179	Ramsey Borough	0248001-003	Construction of mains (Rte 17, Snyder & Airmount)	16,350	$985,000	$689,500	$1,674,500	75	50	0	0	0	0	0	0.16	125.16
179	Ramsey Borough	0248001-004	Construction of mains (Lakeview & Airmount)	16,350	$795,000	$556,500	$1,351,500	75	50	0	0	0	0	0	0.16	125.16
183	Harrison Town	0904001-001	Cleaning & Lining of mains on Grant Ave., Cleveland Ave., & Hamilton Street	14,425	$5,500,000	$2,680,000	$8,180,000	75	0	20	0	0	0	30	0.14	125.14
183	Harrison Town	0904001-004	Cleaning and Lining and of approximately 3,000 LF of 10, 12 and 14 inch mains	14,425	$2,000,000	$1,140,000	$3,140,000	75	0	20	0	0	0	30	0.14	125.14
183	Harrison Town	0904001-005	Replacement of 3,160 LF of water mains on S 2nd, Frank E. Rogers Blvd & Scott Mobus Place	14,425	$1,500,000	$920,000	$2,420,000	75	0	20	0	0	0	30	0.14	125.14
186	Clinton Town	1005001-010	West Main Street Water Main Replacement Project - Asset Management Planning	12,500	$998,750	$449,437	$1,448,187	75	50	0	0	0	0	0	0.12	125.12
186	Clinton Town	1005001-011	2017-TOC-WMR-CTWP-Glen Eagles Drive, Muirfield Lane, and Heather Hill Way	12,500	$872,970	$392,837	$1,265,807	75	50	0	0	0	0	0	0.12	125.12
188	Manchester Utilities Authority	1603001-001	Heights Tank Rehabilitation	12,028	$389,167	$1,800,000	$500,000	60	50		0	0	0	0	0.12	125.12
189	Glen Ridge Borough	0708001-008	GR-2017-LSL-R/FH-RR Lead Service Water-Line Replacement/Fire Hydrant - Repairs & Replacement & Water System Asset Management Plan	7,681	$1,606,395	-	$2,573,210	75	50		0	0	0	0	0.08	125.08
190	Netcong Borough	1428001-009	Meter Upgrades	3,236	$43,750	$504,224	$547,974	25	50	15	5	0	15	15	0.03	125.03
191	Perth Amboy City	1216001-009	The Replacement of Water Meters Project	47,300	$575,830	$259,123	$834,953	25	0	0	0	0	15	80	0.47	120.47
192	Willingboro Municipal Utilities Authority	0338001-012	Well No. 1 Water Treatment Plant Upgrade	34,731	$2,001,800	$1,718,944	$3,720,744	100	0	20	0	0	0	0	0.38	120.38
193	Willingboro Municipal Utilities Authority	0338001-011	Well 6 Water Treatment Plant Upgrade	34,731	$6,250,000	$3,914,000	$10,164,000	100	0	20	0	0	0	0	0.35	120.35
194	Vineland City	0614003-007	Replacement of 1.4 miles of 8-inch with 10 -inch water mains	33,000	$1,100,000	$744,000	$1,844,000	75	0	15	0	0	0	30	0.33	120.33
194	Vineland City	0614003-008	Replacement of 2,300 LF of 8-, 10- and 12-inch water mains	33,000	$350,000	$245,000	$595,000	75	0	15	0	0	0	30	0.33	120.33
194	Vineland City	0614003-009	Construction of .4 miles of 12-inch water mains to loop dead ends and enhance water pressure	33,000	$200,000	$140,000	$340,000	75	0	15	0	0	0	30	0.33	120.33
197	Rahway City	2013001-007	Water Treatment Plant Filter System Upgrade	27,785	$13,300,000	$6,908,000	$20,208,000	100	0	0	5	0	0	15	0.28	120.28
198	Wildwood City	0514001-003	Water system improvements - 2016 street & utility reconstruction	20,361	$2,100,000	$480,000	$2,580,000	75	0	15	0	0	0	30	0.2	120.2
200	Passaic Valley Water Commission	1605002-009	Replacement of surface water intake facilities on the Passaic River	347,052	$800,000	$560,000	$1,360,000	15	0	20	0	0	0	80	3.47	118.47
201	Jersey City Municipal Utilities Authority	0906001-016	Large Valve Replacement Program- Phase 2	264,290	$6,101,000	$1,220,200	$7,321,200	75	0	20	5	0	0	15	2.64	117.64
202	Jersey City Municipal Utilities Authority	0906001-022	Hackensack River 36" Aqueduct replacement	270,753	$10,000,000	$5,910,317	$12,750,000	75	0		0	0	0	15	2.62	117.62
202	Jersey City Municipal Utilities Authority	0906001-023	Phase 5A Water Project	262,000	$7,750,000	-	$9,300,000	75	0		0	0	0	15	2.62	117.62
202	Jersey City Municipal Utilities Authority	0906001-024	Phase 2A Water	250,000	$9,700,000	$1,800,000	$11,640,000	75	0		0	0	0	15	2.62	117.62

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Total Project Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Total Points
205	Jersey City Municipal Utilities Authority	0906001-020	Phase 3 and 4 Water Main Replacement Project	261,666	$2,973,465	$713,173	$3,686,638	75	0	15	5	5	0	15	2.62	117.62
205	Jersey City Municipal Utilities Authority	0906001-021	Phase 5 Water Mains	261,666	$7,000,000	$1,547,000	$8,547,000	75	0	15	5	5	0	15	2.62	117.62
207	Jersey City Municipal Utilities Authority	0906001-014	Brookdale Gate House Improvements	257,342	$992,000	$674,560	$1,666,560	75	0	20	5	0	0	15	2.57	117.57
208	Jackson Township Municipal Utilities Authority	1511001-013	Six Flags Great Adventure Water Treatment Plant Replacement	45,200	$7,500,000	$4,190,000	$11,690,000	100	0	15	0	0	0	0	0.45	115.45
209	Winslow Township	0436007-003	New 1.0 MG finished water storage tank	39,328	$1,000,000	$700,000	$1,700,000	50	50	15	0	0	0	0	0.39	115.39
210	South Orange Village	0719001-012	South Orange Newstead Watersphere Emergency Repairs	17,000	$475,000	-	$640,000	60	50		0	0	0	0	0.17	115.17
211	Berlin Borough	0405001-005	Repairs to Plant#1 filter and complete replacement of filter media	13,121	$80,500	$57,030	$137,530	100	0	15	0	0	0	0	0.13	115.13
212	Berkeley Township Municipal Utilities Authority	1505004-009	Installation of new Well 4 with WM to connect to WTP	8,130	$690,000	$1,035,600	$1,725,600	15	0	20	0	0	0	80	0.08	115.08
214	Hightstown Borough	1104001-003	Construct 80,000 gallon backwash tank and re-line existing lagoons	5,567	$450,000	$315,000	$765,000	100	0	15	0	0	0	0	0.06	115.06
216	National Park Borough	0812001-001	Replacement of a WTP	3,289	$2,289,450	$1,193,852	$3,483,302	100	0	0	0	0	0	15	0.03	115.03
217	Sussex Borough	1921001-004	Water Meter Replacement Project	2,130	$338,850	$75,770	$414,620	35	0	0	0	0	0	80	0.02	115.02
218	Allentown Borough	1302001-004	Water Treatment Plant Improvements	1,828	$1,628,000	$700,960	$2,328,960	100	0	15	0	0	0	0	0.02	115.02
220	Jersey City Municipal Utilities Authority	0906001-015	Van Winkle Ave. Water Main Replacement	247,597	$2,799,120	$1,025,718	$3,824,838	75	0	20	0	0	0	15	2.47	112.47
221	Middlesex Water Company	1225001-020	Replace the Tingley Lane pump station	233,376	$10,000,000	$4,660,000	$14,660,000	60	50	0	0	0	0	0	2.33	112.33
222	Hoboken City	0905001-001	Washington St. Water Main / Green Infrastructure Drainage Improv.	50,005	$3,935,000	$3,040,778	$6,975,778	75	0	20	0	0	0	15	0.5	110.5
224	Kearny Town	0907001-001A	Water Facility and Ground Improv. Program	291,648	$20,495,142	$4,099,028	$24,594,170	75	0	20	0	0	0	15	0.42	110.42
225	Long Beach Township	1517001-012	Rehabilitation of four storage tanks-Beach Haven Terrace, Brant Beach, Holgate & Pehala Park	35,367	$1,000,000	$700,000	$1,700,000	60	50	0	0	0	0	0	0.35	110.35
226	Jackson Township Municipal Utilities Authority	1511001-010	Demolition of Facilities, Replace Storage Tank, Well #3	32,600	$4,006,800	$2,816,890	$6,823,690	60	35	15	0	0	0	0	0.33	110.33
227	Orange City	0717001-005	Cleaning & Lining of mains	30,000	$1,675,000	$997,000	$2,672,000	75	0	0	5	0	0	30	0.3	110.3
228	Phillipsburg Redevelopment Authority	2119001-006	Installation of 5,300 LF of 8 and 12-inch water mains for a brownfield site	18,162	$2,099,859	$1,180,310	$3,280,169	75	0	0	0	5	0	30	0.18	110.18
229	Ramsey Borough	0248001-005	Rehabilitation of Airmount reservoir	16,350	$430,000	$144,000	$574,000	60	50	0	0	0	0	0	0.16	110.16
230	Salem City	1712001-002	Installation of a new well	5,857	$130,000	$91,000	$221,000	15	0	15	0	0	0	80	0.06	110.06
231	Netcong Borough	1428001-006	Replacement of Water meters	3,236	$225,000	$157,500	$382,500	25	50	15	5	0	0	15	0.03	110.03
232	North Jersey District Water Supply Commission	1613001-007	Acquisition and integration of the Kearny/Bayonne Transmission main	872,153	$30,000,000	$11,060,000	$41,060,000	1	50	20	0	0	0	30	8.72	109.72
232	North Jersey District Water Supply Commission	1613001-030	Modify and Expand Central Receiving Building	872,153	$605,000	$511,226	$1,116,226	1	50	20	0	0	0	30	8.72	109.72
234	NJ American Water Company, Incorporated	1345001-021	Swimming River WTP 2nd Clearwell	9,965	$16,973,964	$5,143,231	$22,117,195	100	0	0	0	0	0	0	7.17	107.17
235	NJ American Water Company, Incorporated	2004002-007	Painting of the Raritan Millstone backwash tank at the WTP	610,000	$395,000	$276,500	$671,500	100	0	0	0	0	0	0	6.1	106.1
236	Perth Amboy City	1216001-001	Replacement of undersize water main - Center Street	50,814	$1,209,050	$791,982	$2,001,032	75	0	0	0	0	0	30	0.51	105.51
236	Perth Amboy City	1216001-002	Replacement of undersize water main - State Street	50,814	$2,490,000	$1,355,600	$3,845,600	75	0	0	0	0	0	30	0.51	105.51
236	Perth Amboy City	1216001-003	Cleaning & Lining of water mains-Central bussiness District	50,814	$1,000,000	$700,000	$1,700,000	75	0	0	0	0	0	30	0.51	105.51
240	Vineland City	0614003-017	2016 Water Distribution Rehabilitation Project	36,848	$1,906,425	$1,457,598	$3,364,023	75	0	15	0	0	0	15	0.37	105.37
241	Garfield City	0221001-004	Replacement of water mains	29,780	$4,200,000	$2,108,000	$6,308,000	75	0	0	0	0	0	30	0.3	105.3
241	Garfield City	0221001-006	Replacement of 8,000 LF of 6-inch to 12-inch water main & replacement of 30 valves	29,780	$4,500,000	$3,415,000	$7,915,000	75	0	0	0	0	0	30	0.3	105.3
243	Lakewood Township Municipal Utilities Authority	1514002-012	Installation of a new storage tank	25,000	$100,000	$70,000	$170,000	50	25	0	0	0	0	30	0.25	105.25
244	Middlesex Water Company	1225001-027	RENEW 2019 - Carteret	23,992	$6,900,000	$4,210,000	$11,110,000	75	0	0	0	0	15	15	0.24	105.24
245	Manchester Township	1518005-003	Install automated meters	21,083	$1,600,000	$1,044,444	$2,644,444	25	0	0	0	0	0	80	0.21	105.21
246	South Orange Village	0719001-008	Well 17 Air Stripper	16,198	$250,000	$112,500	$362,500	100	0	0	5	0	0	0	0.16	105.16
247	Highland Park Borough	1207001-001	2018-19 Water System Improvements	14,245	$2,350,000	$970,000	$3,320,000	25	0	0	0	0	0	80	0.14	105.14
248	Ventnor City	0122001-001	Clean and line 8 and 14inch water mains	12,900	$1,425,000	$865,000	$2,290,000	75	0	0	0	0	0	30	0.13	105.13
249	Red Bank Borough	1340001-003	White Street Water Main	12,350	$468,625	$1,426,693	$562,350	75	0	15	0	0	0	15	0.12	105.12
250	Manchester Utilities Authority	1603001-008	Slip line 16,000 LF unlined cast iron 16inch pipe in High Mountain in Haledon and North Haledon w/ smaller diameter pipe	12,111	$1,100,000	$744,000	$1,844,000	75	0	15	0	0	0	15	0.12	105.12
251	Bellmawr Borough	0404001-006	Various Water System Improvements	11,583	$799,010	$1,615,161	$2,414,171	75	0	0	0	0	0	30	0.12	105.12
252	Wallington Borough	0265001-001	Replacement of 6-inch mains with 8-inch mains	11,580	$1,295,845	$830,171	$2,126,016	75	0	0	0	0	0	30	0.12	105.12
253	Gloucester City	0414001-002	Water Main replacement on Broadway & Koehler Streets	11,484	$799,205	$559,442	$1,358,647	75	0	0	0	0	0	30	0.11	105.11
253	Gloucester City	0414001-003	Water Main replacement on Jersey Avenue	11,484	$2,038,605	$1,156,986	$3,195,591	75	0	0	0	0	0	30	0.11	105.11
253	Gloucester City	0414001-007	Water Main replacement on Johnson Blvd.	11,484	$856,487	$599,539	$1,456,026	75	0	0	0	0	0	30	0.11	105.11
253	Gloucester City	0414001-008	Water Main replacement on Market Street	11,484	$450,005	$315,002	$765,007	75	0	0	0	0	0	30	0.11	105.11

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Total Project Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Total Points
253	Gloucester City	0414001-009	Water Main replacement on Park Avenue	11,484	$791,314	$553,918	$1,345,232	75	0	0	0	0	0	30	0.11	105.11
253	Gloucester City	0414001-010	Water Main replacement on Baynes Avenue	11,484	$477,153	$334,006	$811,159	75	0	0	0	0	0	30	0.11	105.11
253	Gloucester City	0414001-011	Water Main replacement on Brown Street, E. Brown Street, Sparks Avenue	11,484	$1,667,072	$993,510	$2,660,582	75	0	0	0	0	0	30	0.11	105.11
253	Gloucester City	0414001-012	Water Main replacement on Nicholson Road	11,484	$217,305	$152,112	$369,417	75	0	0	0	0	0	30	0.11	105.11
253	Gloucester City	0414001-013	Replacement of 2,200 LF of water mains on Charles Street	11,484	$1,118,625	$751,231	$1,869,856	75	0	0	0	0	0	30	0.11	105.11
264	Gloucester City	0414001-022	Replacement of 1,200 LF of 8" cast iron main on Brown Street	11,456	$674,068	$330,025	$1,004,093	75	0	0	0	0	0	30	0.11	105.11
265	Hammonton Town	0113001-001	Water main extension along Egg Harbor Road, and Eighth Street to create loops and eliminate dead ends	11,300	$250,000	$175,000	$425,000	75	0	15	0	0	0	15	0.11	105.11
265	Hammonton Town	0113001-002	Replacement of water mains on Central Ave., Golf Dr., & 12th Street.	11,300	$1,000,000	$700,000	$1,700,000	75	0	15	0	0	0	15	0.11	105.11
265	Hammonton Town	0113001-003	Replacement of 2,900 LF of water mains on Rte 54	11,300	$485,000	$339,500	$824,500	75	0	15	0	0	0	15	0.11	105.11
269	Pemberton Township	0329004-006	Various Water System Improvements	10,815	$400,000	$366,000	$766,000	75	0	15	0	0	0	15	0.11	105.11
270	Pine Hill Municipal Utilities Authority	0428002-003	Erial Road Water Main Rehab and Branch Avenue Pressure Reducing Valve	10,233	$2,806,223	-	$3,367,468	75	0		0	0	0	30	0.1	105.1
271	Paulsboro Borough	0814001-002	Replacement of 2,300 water meters	6,025	$880,000	$616,000	$1,496,000	25	0	0	0	0	0	80	0.06	105.06
272	Clementon Borough	0411001-001	Rehab of Gibbsboro Water Main (White Horse Pike & White Horse Rd.)	5,003	$300,000	$253,500	$553,500	75	0	0	0	0	0	30	0.05	105.05
273	Ship Bottom Borough	1528001-002	Water Main Replacement Project	4,106	$1,650,000	$986,000	$2,636,000	75	0	15	0	0	0	15	0.04	105.04
274	Tuckerton Borough	1532002-006	Heron Road Water Main Replacement Project	500	$1,113,750	$356,400	$1,470,150	75	0	15	0	0	0	15	0.03	105.03
275	Sussex Borough	1921001-002	Replacement of 75 year old water mains	2,666	$1,402,286	-$196,321	$1,205,965	75	0	0	0	0	0	30	0.03	105.03
276	Brooklawn Borough	0407001-004	Removal and replacement 1,500 LFof 6-inch water mains	2,300	$1,483,000	$912,520	$2,395,520	75	0	0	0	0	0	30	0.02	105.02
277	Oak Ridge Senior Housing Community	1414008-001	Oakridge Senior Community Water Lines	100	$386,750	$143,550	$530,300	75	0	0	0	0	0	30	0	105
278	NJ American Water Company, Incorporated	1345001-005	Replacement of ozone generators at Swimming River WTP	289,553	$519,890	-$39,979	$479,911	100	0	0	0	0	0	0	2.9	102.9
279	Brick Township Municipal Utilities Authority	1506001-007	Chlorine Disinfection System Relocation	100,000	$2,400,000	$1,734,000	$4,134,000	1	0	20	0	0	0	80	1.34	102.34
280	Middlesex Water Company	1225001-025	Western Transmission Main	233,376	$29,000,000	$13,210,000	$42,210,000	30	50	15	5	0	0	0	2.33	102.33
281	Berkeley Township Municipal Utilities Authority	1505004-002	Install new water mains	8,130	$5,226,820	$1,805,364	$7,032,184	1	0	20	0	0	0	80	0.08	101.08
281	Berkeley Township Municipal Utilities Authority	1505004-005	Extension of water mains	8,130	$7,500,000	$5,138,330	$12,638,330	1	0	20	0	0	0	80	0.08	101.08
283	Evesham Municipal Utilities Authority	0313001-001	Wells 13 Treatment Improvements	43,200	$1,250,000	$1,176,000	$2,426,000	100	0	0	0	0	0	0	0.43	100.43
284	North Brunswick Township	1215001-003	Treatment plant upgrade	38,000	$20,000,000	$7,860,000	$27,860,000	100	0	0	0	0	0	0	0.38	100.38
285	Long Beach Township	1517001-501	Brant Beach Water Plant	35,367	$837,500	$1,811,500	$2,649,000	100	0	0	0	0	0	0	0.35	100.35
285	Long Beach Township	1517001-502	reconstruct filter room & pumps	35,367	$1,927,000	$2,172,194	$4,099,194	100	0	0	0	0	0	0	0.35	100.35
288	Moorestown Township	0322001-002	Hartford Road Water Treatment Plant Upgrade	20,726	$10,060,000	$3,097,320	$13,157,320	100	0	0	0	0	0	0	0.21	100.21
289	Point Pleasant Borough	1524001-002	Water Treatment Plant Filter Replacement	18,651	$1,600,000	$1,589,180	$2,112,000	100	0		0	0	0	0	0.19	100.19
290	Ramsey Borough	0248001-015	Installation of chlorine analyzers and pipe improvements to upgrade disinfection system at various facilities	16,350	$500,000	$180,000	$680,000	100	0	0	0	0	0	0	0.16	100.16
293	Pompton Lakes Municipal Utilities Authority	1609001-003	Replacement of gas chlorination system with solid tablet chlorination system	11,435	$60,000	$54,200	$114,200	100	0	0	0	0	0	0	0.11	100.11
294	Ringwood Borough	1611002-001	Installation of chlorination station, automatic controls & protection of pipe	9,600	$331,000	$52,960	$383,960	100	0	0	0	0	0	0	0.1	100.1
295	East Greenwich Township	0803001-004	Installation of filtration system for PFC removal at #3 Well	9,550	$1,741,000	$539,200	$2,280,200	100	0	0	0	0	0	0	0.1	100.1
296	Netcong Borough	1428001-003	Drill new well to meet current demand	3,236	$425,000	$297,500	$722,500	15	50	15	5	0	0	15	0.03	100.03
297	Fayson Lake Water Company, Incorporated	1415001-001	Upgrade treatment facility	3,087	$525,000	$367,500	$892,500	100	0	0	0	0	0	0	0.03	100.03
298	West Milford Municipal Utilities Authority	1615016-001	Wells #1,6 & 7 WTP upgrades	1,625	$358,000	$340,100	$698,100	100	0	0	0	0	0	0	0.02	100.02
299	West Milford Municipal Utilities Authority	1615018-001	Concorde & Quincy WTP upgrades	1,260	$324,000	$226,800	$550,800	100	0	0	0	0	0	0	0.01	100.01
300	Roosevelt Borough	1341001-005	Upgrades to water treatment plant	935	$246,240	$172,367	$418,607	100	0	0	0	0	0	0	0.01	100.01
301	West Milford Municipal Utilities Authority	1615012-001	Well #1 WTP upgrades	635	$118,000	$112,100	$230,100	100	0	0	0	0	0	0	0.01	100.01
302	West Milford Municipal Utilities Authority	1615002-001	Well #28 WTP Upgrades	600	$176,000	$167,200	$343,200	100	0	0	0	0	0	0	0.01	100.01
303	Collier Services	1328300-003	Replace existing hypochlorination and water softener systems	350	$100,000	$70,000	$170,000	100	0	0	0	0	0	0	0	100
304	Plausha Park Water Company	1421004-001	Install chemical feed, safety upgrades and replace the ramp and piping at the well/treatment facility	200	$130,000	$48,800	$178,800	100	0	0	0	0	0	0	0	100
305	West Milford Municipal Utilities Authority	1615001-001	Moore Rd WTP upgrades	180	$145,000	$137,750	$282,750	100	0	0	0	0	0	0	0	100
306	West Milford Municipal Utilities Authority	1615006-001	Well #6 WTP Upgrades	115	$256,000	$243,200	$499,200	100	0	0	0	0	0	0	0	100
307	Green Briar Residential Home	1421305-001	Installation of chlorination to WTP, emergency generator, back up well	43	$26,000	$3,760	$29,760	100	0	0	0	0	0	0	0	100
308	Cliffside Park Borough	0238001-001	Construction of water mains for a brownfield redevelopment project - Towne Centre	394,079	$525,000	$367,500	$892,500	75	0	0	0	5	0	15	3.94	98.94
309	NJ American Water Company, Incorporated	2004002-012	NJ American Water Lead Service Line Replacement Program PWSID 2004002	1	$6,700,000	$2,274,000	$8,974,000	75	0	0	5	0	0	15	1.94	96.94

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Total Project Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Total Points
310	Atlantic City Municipal Utilities Authority	0102001-010	Asset Management Plan - Professional Consulting Services In Compliance With The New Jersey Water Quality Accountability Act	76,240	-	$725,602	$122,840	1	0		0	0	0	80	0.76	96.76
311	Woodbine Borough	0516001-002	Woodbine Asset Management Plan	2,650	$100,000	$20,000	$120,000	1	0	15	0	0	0	80	0.03	96.03
312	Brick Township Municipal Utilities Authority	1506001-008	Undersized Water Main Replacement Cedar Park East and West	100,000	$4,616,240	$1,607,197	$6,223,437	75	0	20	0	0	0	0	1	96
312	Brick Township Municipal Utilities Authority	1506001-009	Breton Woods Water Main Replacement - Phase I	100,000	$4,393,000	$1,535,760	$5,928,760	75	0	20	0	0	0	0	1	96
314	Brick Township Municipal Utilities Authority	1506001-010	Hydrant Replacement in Baywood Section	75,000	$800,000	$360,000	$1,160,000	75	0	20	0	0	0	0	0.75	95.75
315	Jersey City Municipal Utilities Authority	0906001-018	Tonnele Avenue Water Main Replacement and Relining	257,342	$5,540,000	$1,902,800	$7,442,800	75	0	0	5	0	0	15	0.6	95.6
316	Wildwood City	0514001-005	Well #39 Redevelopment	45,500	$315,000	$63,000	$378,000	15	0	0	0	0	0	80	0.45	95.45
317	Bloomfield Township	0702001-001	Cleaning and Lining of water mains	47,000	$1,946,500	$775,720	$2,102,220	75	0	0	5	0	0	15	0.45	95.45
318	Stafford Township	1530004-019	Mill Creek Water Main Replacement Phase II	28,868	$1,203,384	$962,555	$2,165,939	75	0	20	0	0	0	0	0.29	95.29
319	Rahway City	2013001-001	Cleaning & Lining of various water main sections	27,785	$900,000	$630,000	$1,530,000	75	0	0	5	0	0	15	0.28	95.28
319	Rahway City	2013001-002	Cleaning & Lining of various water main sections	27,785	$1,100,000	$744,000	$1,844,000	75	0	0	5	0	0	15	0.28	95.28
321	Mahwah Township	0233001-005	Installation of emergency generators	24,062	$350,000	$245,000	$595,000	45	50	0	0	0	0	0	0.24	95.24
322	Burlington Township	0306001-004	Replacement of 1,500 LF of main on Lansberry Dr and LaVeer Rd	22,000	$214,000	$149,800	$363,800	75	0	20	0	0	0	0	0.22	95.22
323	Barnegat Township	1533001-002	Replacement of water meters & Back flow preventers	20,935	$450,000	$315,000	$765,000	25	35	20	0	0	0	15	0.21	95.21
325	Milltown Borough	1212001-002	Ford Ave Redevelopment	7,052	$1,060,000	$880,000	$1,940,000	75	0	15	0	5	0	0	0.07	95.07
326	Richard Stockton College	0111304-001	Installation of solar power at water treatment plant	6,600	$680,000	$476,000	$1,156,000	45	0	20	0	0	15	15	0.07	95.07
327	Flemington Borough	1009001-009	Additional Water Tank and Improvements	4,621	$3,500,000	$1,000,000	$4,500,000	60	0	0	5	0	0	30	0.05	95.05
328	Hamburg Borough	1909001-002	Water Storage Tank Rehabilitation	3,200	$820,000	$298,000	$1,000,000	60	0		0	0	0	15	0.03	95.03
329	National Park Borough	0812001-004	Replacement of Wells 5 & 6	3,102	$1,161,000	$539,000	$1,700,000	15	0	0	0	0	0	80	0.03	95.03
330	Hardyston Municipal Utility Authority	1911006-002	Water Tank Refurbishment	1,963	$825,000	$165,000	$990,000	60	35	0	0	0	0	0	0.02	95.02
331	Jersey City Municipal Utilities Authority	0906001-009	Burma Road Area Water System Improvements	262,000	$2,000,000	$770,000	$2,770,000	75	0	0	0	0	0	15	2.62	92.62
332	Middlesex Water Company	1225001-003	Installation of nanofiltration for hardness removal (North Tingley Lane)	233,376	$1,500,000	$920,000	$2,420,000	40	50	0	0	0	0	0	2.33	92.33
332	Middlesex Water Company	1225001-004	Installation of nanofiltration for hardness removal (South Tingley Lane)	233,376	$2,000,000	$1,140,000	$3,140,000	40	50	0	0	0	0	0	2.33	92.33
335	Orange City	0717001-006	asset management plan	30,134	$6,000,000	$1,220,000	$7,200,000	1	0	20	5	5	0	80	0.3	91.3
336	Hoboken City	0905001-002	Water Main Upgrades (2018)	54,379	$4,443,160	$1,127,465	$5,570,625	75	0	15	0	0	0	0	0.54	90.54
337	Monroe Municipal Utilities Authority	0811002-001	Tank Painting	36,908	$1,338,500	$482,000	$1,606,200	60	0		0	0	0	30	0.37	90.37
338	Belleville Township	0701001-006	Clara Maass Hospital Water Main Extension	36,010	$646,700	$614,365	$1,261,065	75	0	0	0	0	0	15	0.36	90.36
339	Belleville Township	0701001-001	Extension of 12 inch water main to the Medical Center	35,928	$350,000	$245,000	$595,000	75	0	0	0	0	0	15	0.36	90.36
339	Belleville Township	0701001-002	Replacement of inoperable valves & hydrants	35,928	$525,000	$367,500	$892,500	75	0	0	0	0	0	15	0.36	90.36
341	Vineland City	0614003-014	Installation of gas generators at wells #4,6,7,8,10,11 and 12	33,000	$1,543,500	$939,140	$2,482,640	45	0	15	0	0	0	30	0.33	90.33
342	Garfield City	0221001-005	Replacement of the Botany Street pump station. Expansion of the SCADA system	29,780	$2,050,000	$1,162,000	$3,212,000	60	0	0	0	0	0	30	0.3	90.3
343	Lyndhurst Township	0232001-002	Replacement of 1,350 LF of antiquated water mains on Forest Avenue	19,800	$1,950,000	$632,000	$2,582,000	75	0	0	0	0	0	15	0.2	90.2
344	Berlin Borough	0405001-006	A 12 inch water main needs to be tied in at Park Drive and White Horse Pike	13,121	$200,000	$140,000	$340,000	75	0	15	0	0	0	0	0.13	90.13
345	Manasquan Borough	1327001-002	Construction of 600 LF of WM on Perrine Blvd & Mallard Park Area	12,265	$750,000	$1,004,202	$1,754,202	75	0	15	0	0	0	0	0.12	90.12
346	Wallington Borough	0265001-002	Wallington Avenue Water Main	11,335	$2,084,160	$442,000	$2,500,992	75	0	15	0	0	15	15	0.12	90.12
347	Pemberton Township	0329004-007	Various Water System Improvements	10,815	$1,710,000	$1,257,000	$2,967,000	60	0	15	0	0	0	15	0.11	90.11
348	Long Beach Township	1517001-015	Water Main Replacement Project	7,667	$2,310,000	$1,683,600	$3,993,600	75	0	0	0	0	0	15	0.08	90.08
349	National Park Borough	0812001-003	Replacement of 6-inch and 10-inch water main with appurtenances	3,289	$228,450	$152,578	$381,028	75	0	0	0	0	0	15	0.03	90.03
350	Alpha Borough	2102001-001	Upgrades to treatment for Pursell & Alpha St wells or VOC removal, hardness and disinfection	2,500	$1,547,470	$1,201,360	$2,748,830	60	0	0	0	0	0	30	0.02	90.02
351	Brooklawn Borough	0407001-005	Painting interior & exterior of water tank	2,300	$429,000	$300,300	$729,300	60	0	0	0	0	0	30	0.02	90.02
352	Pemberton Borough	0328001-001	Replacement of undersized and antiquated water mains on Hough and Handover Streets	1,610	$490,820	$375,778	$866,598	75	0	0	0	0	0	15	0.02	90.02
353	Hopewell Township	1106001-001	Water System Improvements	5,710	$1,000,000	$927,000	$1,285,000	75	0		0	0	0	0	0	90
354	Fountainhead Properties Incorporate	1511013-002	Loop system with 400 LF of water main with replacement of water meters	280	$55,000	$22,680	$77,680	75	0	15	0	0	0	0	0	90
355	Stafford Township	1530004-014	Construction of 2,600 LF of 8 and 12-inch water main on Rte 9 and Oak Ave	28,868	$487,224	$340,510	$827,734	1	50	20	0	0	0	15	0.29	86.29
356	NJ American Water Company, Incorporated	0119002-004	Construction of a 1.5 MG elevated tank including water mains	88,088	$2,100,000	$1,184,000	$3,284,000	50	0	20	0	0	0	15	0.88	85.88
357	Stafford Township	1530004-015	Redevelopment of wells # 2 and 5	28,868	$90,000	$66,400	$156,400	15	35	20	0	0	0	15	0.29	85.29
358	NJ American Water Company, Incorporated	1345001-019	Howell-Lakewood Transmission Main	290,470	$32,000,000	$14,350,000	$46,350,000	30	50	0	0	0	0	0	2.9	82.9

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Total Project Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Total Points
359	Brick Township Municipal Utilities Authority	1506001-006	Installation of security measures in water system	134,108	$2,300,000	$1,140,000	$3,440,000	45	0	20	0	0	0	15	1.34	81.34
360	Lakewood Township Municipal Utilities Authority	1514002-003	Administration Building Addition	21,000	$1,200,000	$240,000	$1,440,000	1	0	0	0	0	0	80	0.21	81.21
361	NJ American Water Company, Incorporated	2004002-006	36 inch valve replacement at Madison Hill Road	610,000	$175,000	$122,500	$297,500	75	0	0	0	0	0	0	6.1	81.1
362	Winslow Township	0436007-004	Install appurtenances associated with new well #12 (SCADA, well house, transmission mains)	39,328	$1,791,000	$1,048,040	$2,839,040	15	50	15	0	0	0	0	0.39	80.39
362	Winslow Township	0436007-005	Install new 500 GPM well #12	39,328	$228,600	$160,020	$388,620	15	50	15	0	0	0	0	0.39	80.39
364	Montclair Township	0713001-002	Cleaning & Lining of water mains	38,977	$750,000	$525,000	$1,275,000	75	0	0	5	0	0	0	0.39	80.39
364	Montclair Township	0713001-003	Replace Transmission Valves	38,977	$650,000	$455,000	$1,105,000	75	0	0	5	0	0	0	0.39	80.39
364	Montclair Township	0713001-010	Replacement of lead service Lines - Phase III	38,977	$900,000	$324,000	$1,224,000	75	0	0	5	0	0	0	0.39	80.39
367	Rahway City	2013001-004	Repainting of 1.5 MG elevated & 0.5 MG watersphere water tanks	27,785	$750,000	$525,000	$1,275,000	60	0	0	5	0	0	15	0.28	80.28
368	Mahwah Township	0233001-003	Interconnection on Campgaw & Pulis Avenues	24,062	$1,300,000	$832,000	$2,132,000	30	50	0	0	0	0	0	0.24	80.24
369	South Orange Village	0719001-009	Scotland Road Water Mains	17,000	$2,994,500	$2,560,000	$3,891,400	75	0		0	0	0	0	0.17	80.17
370	Gloucester City	0414001-014	Construction of a 1.0 MG storage tank to replace standpipe	11,484	$3,000,000	$1,580,000	$4,580,000	50	0	0	0	0	0	30	0.11	80.11
370	Gloucester City	0414001-015	Construction of a new .5 MG storage tank to maintain pressure on the east side	11,484	$911,511	$638,056	$1,549,567	50	0	0	0	0	0	30	0.11	80.11
372	Milltown Borough	1212001-003	Ford Ave Redevelopment Agency Borough	7,052	$750,000	$876,000	$1,626,000	60	0	15	0	5	0	0	0.07	80.07
373	NJ American Water Company, Incorporated	1345001-006	Rehab of High Service Transmission Main in Middletown	289,553	$5,400,000	$2,113,300	$7,513,300	75	0	0	0	0	0	0	2.9	77.9
373	NJ American Water Company, Incorporated	1345001-009	East End Transmission Main Replacement	289,553	$1,391,309	$784,850	$2,176,159	75	0	0	0	0	0	0	2.9	77.9
376	NJ American Water Company, Incorporated	0712001-008	Replacement of two large valves	217,230	$600,000	$420,000	$1,020,000	75	0	0	0	0	0	0	2.17	77.17
377	Brick Township Municipal Utilities Authority	1506001-013	Water Main Stream Crossings Replacements at Route 70 (16" Diameter), at the Beaver Dam Creek at Midstreams Road (16" Diameter), and Five 12" Diameter Stream Crossings in the Township of Brick	100,000	$3,074,560	$1,113,859	$4,188,419	75	0	0	0	0	0	0	1	76
378	Old Bridge Municipal Utilities Authority	1209002-002	Replacement of water mains along Lawrence Harbor Road	66,200	$1,600,000	$964,000	$2,564,000	75	0	0	0	0	0	0	0.66	75.66
378	Old Bridge Municipal Utilities Authority	1209002-013	Knollcroft Water Main Rehabilitation	66,200	$1,900,000	$1,454,000	$3,354,000	75	0	0	0	0	0	0	0.66	75.66
380	Bayonne City	0901001-006	Aqueduct Replacement	65,000	$8,737,229	$1,747,446	$10,484,675	75	0	0	0	0	0	0	0.65	75.65
381	Wayne Township	1614001-001	Replacement of 2400 LF of 8-inch water main and 2000 LF of 12-inch water main -Farmingdale Area	55,000	$1,100,000	$744,000	$1,844,000	75	0	0	0	0	0	0	0.55	75.55
382	Perth Amboy City	1216001-500	Install New Stand-by Generator for Runyon Water Treat. Plant	50,814	$1,855,500	$1,333,900	$3,189,400	45	0	0	0	0	0	30	0.51	75.51
383	Franklin Township	1808001-006	Installation of new water mains to eliminate dead end mains	50,000	$920,000	$644,000	$1,564,000	75	0	0	0	0	0	0	0.5	75.5
384	East Brunswick Township	1204001-001	Replacement of undersized water mains on Wilmot, Harrison and various streets	47,000	$3,672,735	$1,959,983	$5,632,718	75	0	0	0	0	0	0	0.47	75.47
385	Evesham Municipal Utilities Authority	0313001-002	2018 Water Main Replacements	45,351	$4,528,600	$1,608,720	$6,137,320	75	0	0	0	0	0	0	0.45	75.45
385	Evesham Municipal Utilities Authority	0313001-003	Route 70 WM Replacement	45,351	$583,000	$206,600	$789,600	75	0	0	0	0	0	0	0.45	75.45
387	Sayreville Borough	1219001-004	Rehabilitate existing unlined cast iron water mains in several areas of Sayreville	40,377	$5,000,000	$2,460,000	$7,460,000	75	0	0	0	0	0	0	0.4	75.4
387	Sayreville Borough	1219001-006	Construct new water main along Washington Road	40,377	$650,000	$429,000	$1,079,000	75	0	0	0	0	0	0	0.4	75.4
387	Sayreville Borough	1219001-008	Clean and line water mains in several sections of the Borough	40,377	$2,000,000	$1,060,000	$3,060,000	75	0	0	0	0	0	0	0.4	75.4
390	North Brunswick Township	1215001-002	Replacement of 4 miles of 24 inch water main from the North Brunswick Twp Treatment plant to Finnegans Lane	38,000	$5,000,000	$2,460,000	$7,460,000	75	0	0	0	0	0	0	0.38	75.38
390	North Brunswick Township	1215001-004	Install 16 inch water main	38,000	$1,750,000	$264,000	$2,014,000	75	0	0	0	0	0	0	0.38	75.38
390	North Brunswick Township	1215001-005	Replacement of 2,350 LF of 8 inch water mains on Excelsior and Thalia Streets and Sioux Road	38,000	$844,000	$561,200	$1,405,200	75	0	0	0	0	0	0	0.38	75.38
393	East Windsor Municipal Utilities Authority	1101002-005	Twin Rivers (H section) Water Main Replacement Project	27,190	$1,050,070	$276,714	$1,326,784	75	0	0	0	0	0	0	0.27	75.27
394	Little Egg Harbor Municipal Utilities Authority	1516001-006	Water Storage Tank Painting and Upgrades	21,333	$2,168,364	$1,200,000	$2,659,837	60	0	0	5	5	0	15	0.21	75.21
395	Montville Township	1421003-002	Installation of 880 LF of 8 inch water main	21,000	$125,000	$45,000	$170,000	75	0	0	0	0	0	0	0.21	75.21
396	Aberdeen Township	1330004-001	Woodfield Area Water System Rehabilitation	18,210	$2,200,000	$2,016,000	$4,216,000	75	0	0	0	0	0	0	0.18	75.18
397	Ramsey Borough	0248001-014	Replacement of North Central Ave water main	16,350	$60,000	$68,000	$128,000	75	0	0	0	0	0	0	0.16	75.16
398	Bordentown City	0303001-002	Replacement of 1,500 LF of 12-inch transmission mains	15,831	$330,000	$251,800	$581,800	75	0	0	0	0	0	0	0.16	75.16
399	Pennsville Township	1708001-003	Rehabilitate .25 MG Water Street storage tank	13,250	$150,000	$105,000	$255,000	60	0	0	0	0	0	15	0.13	75.13
400	Saddle Brook Township	0257001-001	Construction of 1,200 LF of 8-inch water mains	13,155	$465,000	$325,500	$790,500	75	0	0	0	0	0	0	0.13	75.13
401	Mantua Township MUA	0810004-004	Centre City Water/Sewer Infrastructure Improvements	12,711	$3,500,000	$1,250,000	$4,750,000	75	0	0	0	0	0	0	0.13	75.13
402	Clinton Town	1005001-006	Lebanon Borough Water Main Replacements - Phase 2-5	12,500	$2,684,475	$1,441,169	$4,125,644	75	0	0	0	0	0	0	0.12	75.12
403	Haddonfield Borough	0417001-001	Replacement of water main on Tanner & Woodlane with 8 inch	11,600	$597,262	$206,740	$804,002	75	0	0	0	0	0	0	0.12	75.12
404	Pompton Lakes Municipal Utilities Authority	1609001-001	Abandonment of Cannonball Rd main and installation of insertion valves throughout system	11,435	$140,000	$110,000	$250,000	75	0	0	0	0	0	0	0.11	75.11
405	Beachwood Borough	1504001-006	The Cable Avenue water main replacement	10,375	$500,000	$100,000	$600,000	75	0	0	0	0	0	0	0.1	75.1
406	East Hanover Township	1410001-004	Replace Water Meters	10,000	$350,000	$245,000	$595,000	75	0	0	0	0	0	0	0.1	75.1

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Total Project Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Total Points
407	Wanaque Borough	1613002-002	Replacement of approximately 6,000 feet of water main and services on Ringwood Avenue	9,954	$1,700,000	$232,000	$1,932,000	75	0	0	0	0	0	0	0.1	75.1
408	Ringwood Borough	1611002-002	Replacement of undersized water mains	9,600	$650,000	$455,000	$1,105,000	75	0	0	0	0	0	0	0.1	75.1
409	Aberdeen Township	1330002-001	Installation of water mains	8,900	$775,000	$758,000	$1,533,000	75	0	0	0	0	0	0	0.09	75.09
409	Aberdeen Township	1330002-003	Replace deteriorated water main from Route 35/Long Neck crossing	8,900	$650,000	$455,000	$1,105,000	75	0	0	0	0	0	0	0.09	75.09
409	Aberdeen Township	1330002-004	Install two water utility crossing of Route 35	8,900	$350,000	$252,000	$602,000	75	0	0	0	0	0	0	0.09	75.09
412	Florham Park Borough	1411001-002	Replacement of 14 6-inch line valves, 12 hydrants and 11 services	8,857	$164,080	$114,855	$278,935	75	0	0	0	0	0	0	0.09	75.09
413	Spotswood Borough	1224001-001	Cleaning and lining of approximaty 3,600 LF of water mains	8,300	$2,528,595	$915,319	$3,443,914	75	0	0	0	0	0	0	0.08	75.08
415	Milltown Borough	1212001-005	Water Storage Tank Rehabilitation	7,000	$1,000,000	$950,000	$1,950,000	60	0	15	0	0	0	0	0.07	75.07
416	Hightstown Borough	1104001-010	2017 Water Main Improvements	5,567	$1,239,150	$536,528	$1,775,678	75	0	0	0	0	0	0	0.06	75.06
418	Allentown Borough	1302001-002	Elevated Water Tank Improvements	1,828	$418,000	$131,100	$549,100	60	0	15	0	0	0	0	0.02	75.02
419	Island Heights Borough	1510001-004	Replacement of 75 fire hydrants and repairs to 21 fire hydrants	1,750	$250,800	-$32	$250,768	75	0	0	0	0	0	0	0.02	75.02
420	West Milford Municipal Utilities Authority	1615016-004	Replace Fire Hydrants	1,625	$46,000	$43,700	$89,700	75	0	0	0	0	0	0	0.02	75.02
421	Milford Borough	1020001-001	Replace 3,000 LF with 8-inch water mains on Green, Maple, Orchard, Walnut & Railroad Sts	1,347	$710,000	$563,000	$1,273,000	75	0	0	0	0	0	0	0.01	75.01
421	Milford Borough	1020001-002	Replace 5,000 LF with 8-inch water mains on Delaware & Ravine Rds to loop system	1,347	$1,040,000	$1,442,440	$2,482,440	75	0	0	0	0	0	0	0.01	75.01
424	Farmingdale Borough	1314001-002	Painting and repairs to water tower and other misc system improvements	1,329	$685,000	$222,000	$907,000	60	0	0	0	0	0	15	0.01	75.01
425	West Milford Municipal Utilities Authority	1615018-004	Replace Fire Hydrants	1,260	$35,000	$24,500	$59,500	75	0	0	0	0	0	0	0.01	75.01
426	Roosevelt Borough	1341001-006	Replacement of water lines most susceptible to breakage	933	$730,625	$744,093	$1,474,718	75	0	0	0	0	0	0	0.01	75.01
427	Roosevelt Borough	1341001-007	Homestead, Cedar and Elm Water Mains Project.	882	$405,990	$125,700	$549,188	75	0		0	0	0	0	0.01	75.01
428	West Milford Municipal Utilities Authority	1615014-002	Replace Fire Hydrants	700	$17,000	$16,150	$33,150	75	0	0	0	0	0	0	0.01	75.01
429	West Milford Municipal Utilities Authority	1615012-004	Replace Fire Hydrants	635	$17,000	$16,150	$33,150	75	0	0	0	0	0	0	0.01	75.01
430	West Milford Municipal Utilities Authority	1615002-003	Replace Fire Hydrants	600	$17,000	$16,150	$33,150	75	0	0	0	0	0	0	0.01	75.01
431	Byram Homeowners Association	1904009-006	Replacement of 77 saddles on the water mains	400	$250,000	$175,000	$425,000	75	0	0	0	0	0	0	0	75
432	Collier Services	1328300-002	Replace distribution system and associated appurtenances	350	$254,000	$177,800	$431,800	75	0	0	0	0	0	0	0	75
433	Lake Glenwood Village	1922010-002	Installation of 7,100 LF of 6-inch Cement Lined Ductile Iron Pipe replacement water mains	250	$500,000	$350,000	$850,000	75	0	0	0	0	0	0	0	75
433	Lake Glenwood Village	1922010-004	Replacement of 1,000 LF of water mains on Cliffside, Toboggan & Lakeshore	250	$72,000	$50,400	$122,400	75	0	0	0	0	0	0	0	75
435	Rosemont Water Company	1007002-002	Rehabilitate and/or replace existing distribution mains	225	$361,456	$253,016	$614,472	75	0	0	0	0	0	0	0	75
436	Plausha Park Water Company	1421004-002	Replacement of main at stream crossing, valves and installing blow off hydrants	200	$95,000	$35,800	$130,800	75	0	0	0	0	0	0	0	75
437	West Milford Municipal Utilities Authority	1615001-004	Replace Fire Hydrants	180	$6,000	$5,700	$11,700	75	0	0	0	0	0	0	0	75
438	West Milford Municipal Utilities Authority	1615006-004	Replace Fire Hydrants	115	$6,000	$5,700	$11,700	75	0	0	0	0	0	0	0	75
~~439~~	~~North Shore Water Association~~	~~1904004-002~~	~~Water System Refurb~~	~~105~~	~~$285,000~~	~~$229,000~~	~~$514,000~~	~~75~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~75~~
440	Woodland Heights Homeowners Association	1615022-001	Well Rehabilitation/System Improvements	80	-	$685,000	$685,000	75	0	0	0	0	0	0	0	75
441	Middlesex Water Company	1225001-506/001	New elevated storage tank to replace tank & PS @ Eborn	1,633,632	$6,100,000	$1,220,000	$7,320,000	1	50	15	5	0	0	0	2.33	73.33
442	NJ American Water Company, Incorporated	2004002-013	RM WTP Emergency Generator	44,464	$7,980,000	$2,683,600	$10,663,600	1	50	15	0	0	0	0	6.1	72.1
443	Barnegat Township	1533001-003	Installation of 1,700 LF of 8 inch PVC water main extension	20,935	$208,000	$145,600	$353,600	1	35	20	0	0	0	15	0.21	71.21
444	NJ American Water Company, Incorporated	0119002-009	Installation of New Water Meters	88,088	$128,641	$90,045	$218,686	35	0	20	0	0	0	15	0.88	70.88
445	Jersey City Municipal Utilities Authority	0906001-013	Remote Meter Reading (AMI)	257,342	$6,371,000	$3,567,760	$9,938,760	25	0	20	5	0	0	15	2.57	67.57
446	Trenton City	1111001-007	Construction of an emergency interconnection with NJAWCo	255,000	$13,000,000	$5,620,000	$18,620,000	30	0	20	0	0	0	15	2.55	67.55
447	NJ American Water Company, Incorporated	2004002-002	Hummocks Tank Painting	610,000	$1,698,592	$534,994	$2,233,586	60	0	0	0	0	0	0	6.1	66.1
447	NJ American Water Company, Incorporated	2004002-003	Upgrade or replace existing booster station due to aging and obolete equipment (Roselle Station)	610,000	$4,446,416	$3,511,516	$7,957,932	60	0	0	0	0	0	0	6.1	66.1
447	NJ American Water Company, Incorporated	2004002-008	Prospect Ave Tank (Mountainside) Painting	610,000	$350,000	$245,000	$595,000	60	0	0	0	0	0	0	6.1	66.1
450	Jackson Township Municipal Utilities Authority	1511001-012	Western Water Main Extension	55,254	$7,064,250	$4,705,980	$11,770,230	50	0	15	0	0	0	0	0.55	65.55
451	Montclair Township	0713001-004	Rehabilitate 2.5 MG & 1.5 MG storage tanks with piping	38,977	$500,000	$350,000	$850,000	60	0	0	5	0	0	0	0.39	65.39
452	Ramsey Borough	0248001-006	Rehabilitate Dixon, Martis & Spring wells	16,350	$250,000	$175,000	$425,000	15	50	0	0	0	0	0	0.16	65.16
452	Ramsey Borough	0248001-007	Construction of 2 wells with pump station & piping	16,350	$3,090,000	$1,619,600	$4,709,600	15	50	0	0	0	0	0	0.16	65.16
454	South Orange Village	0719001-005	Crest Drive Standpipe	16,198	$2,000,000	$1,140,000	$3,140,000	60	0	0	5	0	0	0	0.16	65.16
454	South Orange Village	0719001-006	Repair or Replace Newstead Shere	16,298	$1,000,000	$950,000	$1,950,000	60	0	0	5	0	0	0	0.16	65.16
456	Freehold Borough	1315001-003	Replacement of Well No. 3	12,052	$1,427,000	$1,000,000	$2,152,400	15	0		0	0	0	30	0.12	65.12

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Total Project Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Total Points
457	Manchester Utilities Authority	1603001-003	High Service Pump Station Replacement	12,028	$1,290,000	-	$2,000,000	50	0		0	0	0	0	0.12	65.12
458	Hightstown Borough	1104001-001	New Wycoff Mills Water Storage Tank with transmission mains	5,567	$825,000	$577,500	$1,402,500	50	0	15	0	0	0	0	0.06	65.06
459	NJ American Water Company, Incorporated	1345001-008	Rehab of Newman Springs Pumping Station	289,553	$400,000	$280,000	$680,000	60	0	0	0	0	0	0	2.9	62.9
459	NJ American Water Company, Incorporated	1345001-010	Sunset Avenue and Monterey Tank Painting	289,553	$600,000	$420,000	$1,020,000	60	0	0	0	0	0	0	2.9	62.9
462	NJ American Water Company, Incorporated	0712001-006	Short Hills Tank Painting	217,230	$400,000	$280,000	$680,000	60	0	0	0	0	0	0	2.17	62.17
463	NJ American Water Company, Incorporated	0119002-010	Replacement of Water Meters	88,088	$322,686	$225,879	$548,565	25	0	20	0	0	0	15	0.88	60.88
464	Parsippany Troy Hills Township	1429001-004	Repainting of 1 MG water storage tank	50,649	$820,000	$39,000	$859,000	60	0	0	0	0	0	0	0.51	60.51
465	Franklin Township	1808001-004	Replacement of 2 elevated storage tanks	50,000	$7,500,000	$3,560,000	$11,060,000	60	0	0	0	0	0	0	0.5	60.5
467	Sayreville Borough	1219001-002	Rehabilitate the pump station facility and surface intake on the South River located in Sayreville	40,377	$300,000	$210,000	$510,000	60	0	0	0	0	0	0	0.4	60.4
467	Sayreville Borough	1219001-003	Rehabilitate existing 3 MG tank	40,377	$2,500,000	$1,260,000	$3,760,000	60	0	0	0	0	0	0	0.4	60.4
469	Marlboro Township	1328002-003	Beacon Hill storge tank Rehab	40,191	$1,200,000	$514,000	$1,714,000	60	0	0	0	0	0	0	0.4	60.4
470	Mahwah Township	0233001-010	Rehabilitation of Campgaw elevated storage tank	24,062	$380,000	$141,160	$521,160	60	0	0	0	0	0	0	0.24	60.24
471	Montville Township	1421003-003	Storage tank rehabilitation, which includes increasing the capacity of 0.25 MG tank to 0.33 MG	21,000	$300,000	$210,000	$510,000	60	0	0	0	0	0	0	0.21	60.21
472	Point Pleasant Borough	1524001-001	Replacement of the Clifton Ave storage tank	19,306	$1,200,000	$172,000	$1,372,000	60	0	0	0	0	0	0	0.19	60.19
473	West Caldwell Township	0721001-001	Rehabilitation of McKinley Ave storage tank	18,296	$648,000	-$25,600	$622,400	60	0	0	0	0	0	0	0.18	60.18
474	Brigantine City	0103001-501	Installation of Generators at well	16,057	$677,100	$4,144,344	$4,821,444	45	0	0	0	0	0	15	0.16	60.16
475	Sparta Township	1918004-001	Installation of a 600 KW wind turbine generator at Germany Flats Water Utility	15,726	$1,281,800	-$51,272	$1,230,528	45	0	0	0	0	15	0	0.16	60.16
476	Verona Township	0720001-004	Acquisition of the ECUA Jail Annex tank plus rehab and upgrading of the tank	13,641	$500,000	$350,000	$850,000	60	0	0	0	0	0	0	0.14	60.14
476	Verona Township	0720001-005	Rehabilitation of the 2 MG Fairview Avenue storage tank	13,641	$700,500	$462,330	$1,162,830	60	0	0	0	0	0	0	0.14	60.14
478	Oakland Borough	0220001-004	Iroquois Pumping Station - Rehabilitation	12,959	$75,000	$52,500	$127,500	60	0	0	0	0	0	0	0.13	60.13
480	Pompton Lakes Municipal Utilities Authority	1609001-002	Rehabilitation of the exterior of the existing 1.0 MG tank	11,435	$170,000	$117,000	$287,000	60	0	0	0	0	0	0	0.11	60.11
480	Pompton Lakes Municipal Utilities Authority	1609001-005	Replacement of water storage tanks with a 1.0 MG tank	11,435	$900,000	$620,000	$1,520,000	60	0	0	0	0	0	0	0.11	60.11
482	Florham Park Borough	1411001-003	Rehabilitation of a 1.0 MG storage tank	8,857	$610,000	$427,000	$1,037,000	60	0	0	0	0	0	0	0.09	60.09
483	North Caldwell Borough	0715001-001	Rehabilitate a 1.29 MG steel water tank. Remove and replace 800 feet of existing chain link fence	6,000	$470,000	$329,000	$799,000	60	0	0	0	0	0	0	0.06	60.06
484	Brielle Borough	1308001-004	Brielle Drinking Water Storage Tank Project	4,774	$3,810,000	$1,066,800	$4,876,800	60	0	0	0	0	0	0	0.05	60.05
485	Flemington Borough	1009001-008	Installation of wells #1B and 1C	4,250	$125,000	$43,500	$168,500	15	0	15	0	0	0	30	0.04	60.04
486	Fayson Lake Water Company, Incorporated	1415001-003	Replace existing 0.1 MG Stony Brook storage tank with a 0.25 MG tank	3,087	$630,000	$441,000	$1,071,000	60	0	0	0	0	0	0	0.03	60.03
487	Bayville Central Regional Board of Education	1505355-002	Construction of new interconnection with existing municipal water system	2,500	$1,000,000	$700,000	$1,700,000	30	0	0	0	0	0	30	0.02	60.02
488	Essex Fells Borough	0706001-001	Rehabilitate 1 MG water storage tank	2,200	$360,000	$188,000	$548,000	60	0	0	0	0	0	0	0.02	60.02
489	Glen Gardner Borough	1012001-001	Rehabilitate storage tank	1,902	$350,000	$356,000	$706,000	60	0	0	0	0	0	0	0.02	60.02
490	Stillwater Township	1920001-002	Painting interior of water tank	1,200	$40,000	$28,000	$68,000	60	0	0	0	0	0	0	0.01	60.01
491	Manchester Utilities Authority	1603301-001	Reactivation of the Tilt St Spring	1,000	$68,750	$48,126	$116,876	15	0	15	0	0	0	30	0.01	60.01
492	Collier Services	1328300-001	Replace existing 24,000 gallon elevated storage tank to prevent freezing and leakage	350	$350,000	$245,000	$595,000	60	0	0	0	0	0	0	0	60
493	Rosemont Water Company	1007002-003	Replace existing underground hydro-pneumatic tank with ground level storage tank	225	$38,860	$27,202	$66,062	60	0	0	0	0	0	0	0	60
494	Plausha Park Water Company	1421004-003	Rehabilitation of concrete storage facility including security measures and instrumentation	200	$135,000	$51,000	$186,000	60	0	0	0	0	0	0	0	60
495	Wonder Lakes Properties, Incorporate	1615017-003	Replace hydro-pneumatic tank and install new tank	170	$25,000	$16,900	$41,900	60	0	0	0	0	0	0	0	60
497	Lakewood Township Municipal Utilities Authority	1514002-013	iInstallation of SCADA	25,000	$125,000	$87,500	$212,500	1	25	0	0	0	0	30	0.25	56.25
498	Bloomfield Township	0702001-002	Water Meter Replacement	47,982	$6,000,000	$416,832	$7,230,970	35	0	0	0	0	0	0	0.48	55.48
499	Montclair Township	0713001-011	New 1.0MG High Zone Tank	37,766	$2,412,250	$1,652,808	$4,065,058	50	0	0	5	0	0	0	0.38	55.38
500	Hammonton Town	0113001-007	Water Meter Replacement	11,300	$607,500	$535,500	$1,143,000	25	0	15	0	0	0	15	0.11	55.11
501	NJ American Water Company, Incorporated	0327001-008	Installation of a booster station including associated apputenances at Barrington	253,045	$500,000	$350,000	$850,000	50	0	0	0	0	0	0	2.53	52.53
502	Jackson Township Municipal Utilities Authority	1511001-011	Improvements to Manhattan St Complex, Garage & Admin Bldg.	32,600	$923,600	$780,442	$1,704,042	1	35	15	0	0	0	0	0.33	51.33
504	Mount Arlington Borough	1426005-001	Mount Arlington Asset Management Plan	5,187	$2,060,000	$505,650	$2,565,650	1	50	0	0	0	0	0	0.05	51.05
505	NJ American Water Company, Incorporated	0119002-006	Smithvillve ASR Well	88,088	$900,000	$352,216	$1,252,216	15	0	20	0	0	0	15	0.88	50.88
506	NJ American Water Company, Incorporated	0508001-006	Installation of New Water Meters	28,071	$105,001	$73,498	$178,499	35	0	0	0	0	0	15	0.28	50.28
508	Mahwah Township	0233001-011	Installation of a new Nilson Ave. Booser Pump Station	24,062	$1,400,000	$675,504	$2,075,504	50	0	0	0	0	0	0	0.24	50.24
509	South Orange Village	0719001-002	Well 17 Emergency Power	16,198	$50,000	$35,000	$85,000	45	0	0	5	0	0	0	0.16	50.16

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Total Project Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Total Points
510	Bordentown City	0303001-005	Construct a 1.25 MG storage tank	15,831	$2,600,000	$832,000	$3,432,000	50	0	0	0	0	0	0	0.16	50.16
511	Verona Township	0720001-003	Construction of a new Fairview Ave tank	13,641	$2,000,000	$1,140,000	$3,140,000	50	0	0	0	0	0	0	0.14	50.14
512	East Hanover Township	1410001-005	Construction of a new water storage tank	10,000	$2,500,000	$1,360,000	$3,860,000	50	0	0	0	0	0	0	0.1	50.1
513	Brielle Borough	1308001-005	Old Bridge Road Elevated Water Storage Tank	4,774	$2,913,000	$588,541	$3,629,400	50	0		0	0	0	0	0.05	50.05
514	Harding Woods Mobile Home Community	1710001-002	Installation of new water meters in Harding Woods Mobile Home Park	1,103	$210,000	$147,000	$357,000	35	0	0	0	0	0	15	0.01	50.01
515	Lake Glenwood Village	1922010-003	Installation of a new 8,000 gal. underground concrete water storage tank	250	$50,000	$35,000	$85,000	50	0	0	0	0	0	0	0	50
~~516~~	~~North Shore Water Association~~	~~1904004-003~~	~~Installation of storage tank~~	~~105~~	~~$300,000~~	~~$60,000~~	~~$360,000~~	~~50~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~50~~
517	Colby Homeowners Association Water Company	1904007-002	Installation of a new storage tank	75	$150,000	$105,000	$255,000	50	0	0	0	0	0	0	0	50
518	Brick Township Municipal Utilities Authority	1506001-012	Meter Replacement	93,333	$4,500,000	$920,000	$5,420,000	25	0	20	0	0	0	0	1.34	46.34
519	Washington Township Municipal Utilities Authority	0818004-008	Installation of solar system for wells # 18, 19 & 20	48,559	$638,000	$446,600	$1,084,600	45	0	0	0	0	0	0	0.49	45.49
520	Vineland City	0614003-015	Well No. 17 Installation	36,848	$100,000	$95,000	$195,000	15	0	15	0	0	0	15	0.37	45.37
521	Jackson Township Municipal Utilities Authority	1511001-008	Installation of a water main and booster station to interconnect the Legler system	32,600	$2,766,500	$1,477,260	$4,243,760	30	0	15	0	0	0	0	0.33	45.33
522	Garfield City	0221001-003	Rehabilitation of Well 1A	29,780	$400,000	$280,000	$680,000	15	0	0	0	0	0	30	0.3	45.3
523	East Windsor Municipal Utilities Authority	1101002-004	Installation of solar panels at 2 facilities	27,200	$1,522,500	$929,900	$2,452,400	45	0	0	0	0	0	0	0.27	45.27
524	Burlington Township	0306001-003	Purchase of water meters to replace existing meters-Phases 2 to 4	22,000	$250,000	-$10,000	$240,000	25	0	20	0	0	0	0	0.22	45.22
525	Oakland Borough	0220001-003	Well 9 - Diesel Generator	12,959	$100,000	$70,000	$170,000	45	0	0	0	0	0	0	0.13	45.13
527	Pompton Lakes Municipal Utilities Authority	1609001-004	Installation of emergency generator at wells	11,435	$175,000	$122,500	$297,500	45	0	0	0	0	0	0	0.11	45.11
528	Freehold Borough	1315001-001	Replace and construct two well houses that protect well pumps	11,029	$125,000	$87,500	$212,500	15	0	15	0	0	0	15	0.11	45.11
529	Pemberton Township	0329004-005	Replacing Well #4 with Well #14	10,815	$265,000	$247,000	$512,000	15	0	15	0	0	0	15	0.11	45.11
529	Pemberton Township	0329004-010	Conversion of test well #14 to production well	10,815	$400,000	$280,000	$680,000	15	0	15	0	0	0	15	0.11	45.11
531	Pine Hill Municipal Utilities Authority	0428002-005	PRM Backup Well #4 and Decommision of Wells #6 & #7	10,233	$760,000	-	$912,000	15	0		0	0	0	30	0.1	45.1
533	Clementon Borough	0411001-002	Rehab of well 9 including slip lining to improve conveyance	5,003	$850,000	$718,250	$1,568,250	15	0	0	0	0	0	30	0.05	45.05
534	West Milford Municipal Utilities Authority	1615016-002	Replace Generator	1,625	$78,000	$74,100	$152,100	45	0	0	0	0	0	0	0.02	45.02
534	West Milford Municipal Utilities Authority	1615016-002/500	Milford Emergency Power Generators	1,625	$78,000	$15,600	$93,600	45	0	0	0	0	0	0	0.02	45.02
536	Forest Lakes Water Company	1904003-001	Installation of two generators	1,500	$110,000	$77,000	$187,000	45	0	0	0	0	0	0	0.01	45.01
536	Hampton Borough	1013001-001	New back up well 5 to address firm capacity requirements	1,500	$900,000	$180,000	$1,080,000	15	0	0	0	0	0	30	0.01	45.01
538	West Milford Municipal Utilities Authority	1615018-002	Replace Generator	1,260	$60,000	$42,000	$102,000	45	0	0	0	0	0	0	0.01	45.01
538	West Milford Municipal Utilities Authority	1615018-002/500	Bald Eagle Emergency Power Generators	1,260	$60,000	$12,000	$72,000	45	0	0	0	0	0	0	0.01	45.01
540	West Milford Municipal Utilities Authority	1615014-001	Replace Generator	700	$78,000	$74,100	$152,100	45	0	0	0	0	0	0	0.01	45.01
540	West Milford Municipal Utilities Authority	1615014-001/500	Crescent Park Emergency Power Generators	700	$78,000	$15,600	$93,600	45	0	0	0	0	0	0	0.01	45.01
542	West Milford Municipal Utilities Authority	1615012-002	Replace Generator	635	$78,000	$74,100	$152,100	45	0	0	0	0	0	0	0.01	45.01
542	West Milford Municipal Utilities Authority	1615012-002/500	Awosting Emergency Power Generators	635	$78,000	$15,600	$93,600	45	0	0	0	0	0	0	0.01	45.01
544	West Milford Municipal Utilities Authority	1615002-002	Replace Generator	600	$60,000	$57,000	$117,000	45	0	0	0	0	0	0	0.01	45.01
544	West Milford Municipal Utilities Authority	1615002-002/500	Greenbrook Emergency Power Generators	600	$60,000	$12,000	$72,000	45	0	0	0	0	0	0	0.01	45.01
546	West Milford Municipal Utilities Authority	1615001-002	Replace Generator	180	$60,000	$57,000	$117,000	45	0	0	0	0	0	0	0	45
546	West Milford Municipal Utilities Authority	1615001-002/500	Birch Hill Emergency Power Generator	180	$60,000	$12,000	$72,000	45	0	0	0	0	0	0	0	45
548	West Milford Municipal Utilities Authority	1615006-002	Replace Generator	115	$25,000	$23,750	$48,750	45	0	0	0	0	0	0	0	45
548	West Milford Municipal Utilities Authority	1615006-002/500	Parkway Emergency Power Generator	805	$25,000	$5,000	$30,000	45	0	0	0	0	0	0	0	45
550	NJ American Water Company, Incorporated	1345001-007	Monterey Iron Removal	289,553	$5,000,000	$2,460,000	$7,460,000	40	0	0	0	0	0	0	2.9	42.9
551	NJ American Water Company, Incorporated	2004002-009	Installation of New Water Meters	610,000	$161,448	$113,013	$274,461	35	0	0	0	0	0	0	6.1	41.1
552	Belleville Township	0701001-005	Replacement of Water meters	35,928	$3,000,000	$1,580,000	$4,580,000	25	0	0	0	0	0	15	0.36	40.36
553	NJ American Water Company, Incorporated	0508001-007	Replacement of Water Meters	28,071	$1,000,563	$700,246	$1,700,809	25	0	0	0	0	0	15	0.28	40.28
554	East Hanover Township	1410001-001	Renovation of treatment plant - addition of ion exchange for well #1 & #2	10,000	$900,000	$630,000	$1,530,000	40	0	0	0	0	0	0	0.1	40.1
555	Florham Park Borough	1411001-001	Construction of Water Treatment Facility for removal of manganese	8,857	$5,198,709	$2,547,432	$7,746,141	40	0	0	0	0	0	0	0.09	40.09
556	High Bridge Borough	1014001-002	Improvements to the High Bridge Water System	3,900	$876,465	$200,293	$1,076,758	25	0	0	0	0	15	0	0.04	40.04
557	Hardyston Municipal Utility Authority	1911006-001	Water Meter Replacement	1,963	$405,000	$81,000	$486,000	25	0	0	0	0	15	0	0.02	40.02
558	Allentown Borough	1302001-003	Water Meter Replacement	1,828	$454,850	$209,670	$664,520	25	0	15	0	0	0	0	0.02	40.02

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559	NJ American Water Company, Incorporated	1345001-014	Installation of New Water Meters	289,553	$96,139	$67,287	$163,426	35	0	0	0	0	0	0	2.9	37.9
560	NJ American Water Company, Incorporated	0327001-012	Installation of New Water Meters	253,045	$116,624	$81,636	$198,260	35	0	0	0	0	0	0	2.53	37.53
561	NJ American Water Company, Incorporated	0712001-014	Installation of New Water Meters	217,230	$171,818	$120,271	$292,089	35	0	0	0	0	0	0	2.17	37.17
562	Bellmawr Borough	0404001-003	Replacement of water mains will be needed to serve a brownfield redevelopment area.	11,583	$6,100,000	$2,944,000	$9,044,000	1	0	0	0	5	0	30	0.12	36.12
562	Bellmawr Borough	0404001-004	A new 0.3 MG storage tank is needed to serve a Brownfield redevelopment area.	11,583	$380,000	$266,000	$646,000	1	0	0	0	5	0	30	0.12	36.12
564	NJ American Water Company, Incorporated	0323001-003	Installation of New Water Meters	42,035	$7,092	$4,962	$12,054	35	0	0	0	0	0	0	0.42	35.42
565	Willingboro Municipal Utilities Authority	0338001-013	Replacement of Well No. 1	34,731	$433,200	$1,593,456	$2,026,656	15	0	20	0	0	0	0	0.38	35.38
566	Burlington Township	0306001-002	Rehabilitate well #4	22,000	$75,000	-$3,000	$72,000	15	0	20	0	0	0	0	0.22	35.22
567	South Orange Village	0719001-003	South Orange Ave and Holland Road Interconnection Rehabilitation	16,198	$82,500	$57,750	$140,250	30	0	0	5	0	0	0	0.16	35.16
567	South Orange Village	0719001-004	Farrell Field (Walton Ave & Audley St.) Interconnection Rehab.	16,198	$83,000	$58,100	$141,100	30	0	0	5	0	0	0	0.16	35.16
567	South Orange Village	0719001-007	Replace Pressure Reducing Valves	16,198	$160,000	$112,000	$272,000	30	0	0	5	0	0	0	0.16	35.16
570	NJ American Water Company, Incorporated	1605001-003	Installation of New Water Meters	11,247	$92,036	$64,423	$156,459	35	0	0	0	0	0	0	0.11	35.11
571	Collier Services	1328300-005	Install new meters and water conservation devices at Collier Services Bldgs	350	$3,000	$2,100	$5,100	35	0	0	0	0	0	0	0	35
572	NJ American Water Company, Incorporated	0712001-004	Interconnection of Twin Lake and Short Hill Systems	217,230	$600,000	$420,000	$1,020,000	30	0	0	0	0	0	0	2.17	32.17
573	Vineland City	0614003-016	Well 17 Treatment Facility	36,848	$5,900,000	$3,694,000	$9,594,000	1	0	15	0	0	0	15	0.37	31.37
574	Garfield City	0221001-007	Upgrade to SCADA	29,780	$50,000	$35,000	$85,000	1	0	0	0	0	0	30	0.3	31.3
575	Little Egg Harbor Municipal Utilities Authority	1516001-003	Water Treatment Plant at Mathistown Road	20,065	$3,200,496	$2,102,907	$5,303,403	1	0	15	0	0	0	15	0.2	31.2
575	Little Egg Harbor Municipal Utilities Authority	1516001-500	Radio Road Water Treatment Plant	20,065	$452,200	$382,110	$834,310	1	0	15	0	0	0	15	0.2	31.2
577	Hammonton Town	0113001-010	SCADA System/Water Meter Replacment Proj	11,300	$200,000	$34,000	$234,000	1	0	15	0	0	0	15	0.11	31.11
578	Pemberton Township	0329004-008	Various Water System Improvements	10,815	$250,000	$234,000	$484,000	1	0	15	0	0	0	15	0.11	31.11
579	NJ American Water Company, Incorporated	2004002-010	Replacement of Water Meters	610,000	$1,847,297	$1,072,809	$2,920,106	25	0	0	0	0	0	0	6.1	31.1
580	Lower Township Municipal Utilities Authority	0505002-001	Extension of water mains to service homes that are on private wells	9,700	$5,000,000	$2,460,000	$7,460,000	1	0	0	0	0	0	30	0.1	31.1
580	Lower Township Municipal Utilities Authority	0505002-002	Installation of well #10	9,700	$1,500,000	$920,000	$2,420,000	1	0	0	0	0	0	30	0.1	31.1
582	Franklin Township	1808001-007	Construction of an interconnection w/ New Brunswick City	50,000	$600,000	$164,000	$764,000	30	0	0	0	0	0	0	0.5	30.5
583	Jackson Township Municipal Utilities Authority	1511001-006	Construction of back up well for Manhattan Water Treatment Plant	32,600	$489,080	$342,355	$831,435	15	0	15	0	0	0	0	0.33	30.33
584	NJ American Water Company, Incorporated	0508001-003	Third Street Well Replacement	28,071	$2,000,000	$1,140,000	$3,140,000	15	0	0	0	0	0	15	0.28	30.28
585	Berlin Borough	0405001-007	Redrilling of well, approximately 450 feet deep	13,121	$600,000	$420,000	$1,020,000	15	0	15	0	0	0	0	0.13	30.13
586	Hopatcong Borough	1912001-008	Install new well and construct associated treatment facilities, SCADA system, generator & mains	7,900	$666,000	$466,200	$1,132,200	15	0	15	0	0	0	0	0.08	30.08
586	Hopatcong Borough	1912001-010	Construction of a new surface water treatment plant for reactivated Elbo Pt well	7,900	$1,800,000	$1,052,000	$2,852,000	15	0	15	0	0	0	0	0.08	30.08
588	Hightstown Borough	1104001-002	New Well #3 - Upgrades to plant, well house and pump	5,567	$500,000	$350,000	$850,000	15	0	15	0	0	0	0	0.06	30.06
590	National Park Borough	0812001-002	Redevelopment/ Rehabilitation to Well 5 with a new well house	3,289	$94,100	$62,850	$156,950	15	0	0	0	0	0	15	0.03	30.03
591	Ocean Gate Borough	1521001-003	Well Water Construction/Drilling a new well	2,800	$522,700	$145,910	$668,610	15	0	0	0	0	0	15	0.03	30.03
592	Sparta Township	1918003-001	Installation of a water main interconnection	1,618	$545,700	-$21,828	$523,872	30	0	0	0	0	0	0	0.02	30.02
593	Fountainhead Properties Incorporate	1511013-003	Rehabilitation of well #2	280	$36,050	$24,558	$60,608	15	0	15	0	0	0	0	0	30
593	Fountainhead Properties Incorporate	1511013-004	Improvements/Replacement of well #1	280	$138,450	$50,462	$188,912	15	0	15	0	0	0	0	0	30
595	Lake Glenwood Village	1922010-005	New well #8 for upper system	250	$110,000	$49,500	$159,500	15	0	15	0	0	0	0	0	30
596	NJ American Water Company, Incorporated	1345001-015	Replacement of Water Meters	289,553	$758,658	$531,059	$1,289,717	25	0	0	0	0	0	0	2.9	27.9
597	NJ American Water Company, Incorporated	0327001-013	Replacement of Water Meters	253,045	$6,810,000	$3,256,400	$10,066,400	25	0	0	0	0	0	0	2.53	27.53
598	NJ American Water Company, Incorporated	0712001-015	Replacement of Water Meters	217,230	$3,459,147	$1,782,023	$5,241,170	25	0	0	0	0	0	0	2.17	27.17
599	NJ American Water Company, Incorporated	1103002-001	Replacement of Water Meters	120,000	$4,414,176	$2,202,235	$6,616,411	25	0	0	0	0	0	0	1.2	26.2
600	Ridgewood Village	0215001-024	Replacement of 14,629 water meters with radio frequency meters	61,700	$4,235,435	$2,123,591	$6,359,026	25	0	0	0	0	0	0	0.62	25.62
601	Franklin Township	1808001-005	Replace Water Meters	50,000	$3,500,000	$1,800,000	$5,300,000	25	0	0	0	0	0	0	0.5	25.5
602	North Brunswick Township	1215001-006	Water Meter Replacement	42,392	$4,500,000	-	$5,427,000	25	0		0	0	0	0	0.42	25.42
603	NJ American Water Company, Incorporated	0323001-004	Replacement of Water Meters	42,035	$1,796,443	$1,047,794	$2,844,237	25	0	0	0	0	0	0	0.42	25.42
604	Oakland Borough	0220001-002	Replace 4600 Water Meters	12,959	$1,800,000	$1,052,000	$2,852,000	25	0	0	0	0	0	0	0.13	25.13
605	Clinton Town	1005001-007	Replace Water Meters	12,500	$699,465	$489,624	$1,189,089	25	0	0	0	0	0	0	0.12	25.12
606	NJ American Water Company, Incorporated	1605001-004	Replacement of Water Meters	11,247	$945,530	$661,871	$1,607,401	25	0	0	0	0	0	0	0.11	25.11

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Total Project Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Total Points
607	Point Pleasant Beach Borough	1525001-001	Water Meter Replacement Project	5,532	$1,200,000	$730,000	$1,930,000	25	0	0	0	0	0	0	0.06	25.06
608	Mine Hill Township	1420001-004	Replace Water Meters	3,400	$210,000	$147,000	$357,000	25	0	0	0	0	0	0	0.03	25.03
609	Pine Beach Borough	1522001-001	Merion Ave. Well Replacement / Townwide Water Meter Replacement Project	2,080	$650,000	$489,400	$1,139,400	25	0	0	0	0	0	0	0.02	25.02
610	Montclair Township	0713001-006	Redevelop Glenfield Wells	38,977	$500,000	$350,000	$850,000	15	0	0	5	0	0	0	0.39	20.39
610	Montclair Township	0713001-008	Nishuane Well Production & Treatment Facility	38,977	$1,600,000	$886,000	$2,486,000	15	0	0	5	0	0	0	0.39	20.39
612	South Orange Village	0719001-001	Well 17 Rehabilitation	16,198	$150,000	$130,000	$280,000	15	0	0	5	0	0	0	0.16	20.16
613	Matawan Borough	1329001-003	Rehabilitate the Boroughs two wells	8,810	$232,801	$80,580	$313,381	15	0	0	5	0	0	0	0.09	20.09
614	NJ American Water Company, Incorporated	1345001-011	Drill two additional wells to increase the capacity at Yellowbrook WTP	289,553	$3,200,000	$2,288,866	$5,488,866	15	0	0	0	0	0	0	2.9	17.9
615	Jackson Township Municipal Utilities Authority	1511001-007	Ancillary Improvements to the Old Manhattan Water Treatment Facility	32,600	$1,500,000	$920,000	$2,420,000	1	0	15	0	0	0	0	0.33	16.33
616	Hopatcong Borough	1912001-004	Small System Asset Management	7,224	-	$100,000	$100,000	1	0	15	0	0	0	0	0.07	16.07
617	Hamburg Borough	1909001-001	Small System Asset Management	3,382	-	$75,000	$75,000	1	0	0	0	0	0	15	0.03	16.03
618	Mount Arlington Borough	1426005-002	Windemere, Altenbrand, North Glen and Park Water Main Extension	98	$878,000	$512,000	$1,202,100	1	0	0	0	0	0	0	0.02	16.02
619	Marlboro Township	1328002-004	New Stand-by Well 5A (Tennent Rd Treatment Plant & Booster Pump Station)	27,000	$933,000	$419,850	$1,352,850	15	0	0	0	0	0	0	0.27	15.27
620	Lacey Township	1512001-001	Construction of two test wells # 7 and 8	26,240	$1,846,000	$396,160	$2,242,160	15	0	0	0	0	0	0	0.26	15.26
620	Lacey Township	1512001-002	Upgrade of WTP to make wells # 7 and 8 operational	26,240	$2,895,200	$56,464	$2,951,664	15	0	0	0	0	0	0	0.26	15.26
622	Oakland Borough	0220001-001	Construct new Well 10A as backup for Well 10	12,959	$100,000	$70,000	$170,000	15	0	0	0	0	0	0	0.13	15.13
625	East Hanover Township	1410001-002	New Water Treatment Plant for Well 6	10,000	$2,275,000	$1,261,000	$3,536,000	15	0	0	0	0	0	0	0.1	15.1
626	Harvey Cedars Borough	1509001-002	Installation of a Water Monitoring Well	3,485	$719,000	$323,550	$1,042,550	15	0	0	0	0	0	0	0.03	15.03
627	Pine Beach Borough	1522001-002	Merion Ave. Well Replacement / Townwide Water Meter Replacement Project	2,080	$325,000	$187,160	$512,160	15	0	0	0	0	0	0	0.02	15.02
628	West Milford Municipal Utilities Authority	1615016-003	Rehabilitation of Well	1,625	$132,000	$125,400	$257,400	15	0	0	0	0	0	0	0.02	15.02
629	Farmingdale Borough	1314001-001	Redevelop well #3; upgrade control system for well #3 & 4, misc improvements to the WTP	1,500	$446,000	$89,200	$535,200	15	0	0	0	0	0	0	0.01	15.01
630	West Milford Municipal Utilities Authority	1615018-003	Rehabilitation of Well	1,260	$66,000	$46,200	$112,200	15	0	0	0	0	0	0	0.01	15.01
631	NJ American Water Company, Incorporated	0809001-001	Beckett Well Replacement	1,085	$450,000	$176,108	$626,108	15	0	0	0	0	0	0	0.01	15.01
632	West Milford Municipal Utilities Authority	1615012-003	Rehabilitation of Well	635	$90,000	$85,500	$175,500	15	0	0	0	0	0	0	0.01	15.01
633	West Milford Municipal Utilities Authority	1615001-003	Rehabilitation of Well	180	$60,000	$57,000	$117,000	15	0	0	0	0	0	0	0	15
634	West Milford Municipal Utilities Authority	1615006-003	Rehabilitation of Well	115	$66,000	$62,700	$128,700	15	0	0	0	0	0	0	0	15
635	Colby Homeowners Association Water Company	1904007-001	Installation of back up well	75	$100,000	$70,000	$170,000	15	0	0	0	0	0	0	0	15
636	South Orange Village	0719001-011	Flush Valve Removal	16,198	$188,546	$84,845	$273,391	1	0	0	5	0	0	0	0.16	6.16
638	NJ American Water Company, Incorporated	1345001-004	Howell Water Mains - Freewood Acres	335,449	$5,162,000	$1,230,970	$6,194,400	1	0	0	5	0	15	0	3.35	4.35
639	NJ American Water Company, Incorporated	0712001-013	Installation of water mains at redevelopment project	217,230	$1,000,000	$704,000	$1,704,000	1	0	0	0	0	0	0	2.17	3.17
640	Old Bridge Municipal Utilities Authority	1209002-014	Perrine Road Carbon Absorber Facility	65,375	$1,200,000	$240,000	$1,440,000	1	0	0	0	0	0	0	0.65	1.65
641	Sayreville Borough	1219001-005	Construct new transmission mains in the northeast section of the Borough	40,377	$1,000,000	$660,000	$1,660,000	1	0	0	0	0	0	0	0.4	1.4
643	Marlboro Township	1328002-501/001	portable genertor @ Harbor Rd & Tennent Rd WTP	40,191	$1,000,000	$450,000	$1,450,000	1	0	0	0	0	0	0	0.4	1.4
644	Mahwah Township	0233001-009	Construction of two new wells	24,062	$600,000	$420,000	$1,020,000	1	0	0	0	0	0	0	0.24	1.24
645	Montville Township	1421003-001	Installation of 2,300 LF of 8 inch water main and appurtances on Hillcrest and Upper Mountain Avenues	21,000	$325,000	$227,500	$552,500	1	0	0	0	0	0	0	0.21	1.21
646	Ridgefield Park Village	0238001-002	Village of Ridgefield Park Skymark Project -- Drinking Water	12,729	$1,281,937	$159,170	$1,752,308	1	0		0	0	0	0	0.13	1.13
647	Spotswood Borough	1224001-002	SPOTSWOOD WATER MASTER PLAN	8,257	-	$85,265	$85,265	1	0	0	0	0	0	0	0.08	1.08
649	Woodland Park Borough	1616001-001	Extension of water mains to service homes that are on private wells	5,030	$1,730,000	$1,021,200	$2,751,200	1	0	0	0	0	0	0	0.05	1.05
650	High Bridge Borough	1014001-001	Asset Management Plan for the High Bridge Water System	3,900	-	$25,000	$25,000	1	0	0	0	0	0	0	0.04	1.04
651	Seaside Park Borough	1527001-003	Water Asset Management Plan	3,753	-	$70,200	$70,200	1	0	0	0	0	0	0	0.04	1.04
651	Seaside Park Borough	1527001-004	Well 10 Treatment Facility	3,753	$495,000	$99,000	$594,000	1	0	0	0	0	0	0	0.04	1.04
653	Pennington Borough	1108001-004	Asset Management Plan for Pennington Water Utility '	2,585	$300,000	-	$360,000	1	0		0	0	0	0	0.03	1.03
654	Pennington Borough	1108001-003	Asset Management Plan for Pennington Water Utility	2,585	$100,000	$3,971,626	$120,000	1	0		0	0	0	0	0.03	1.03
655	Sea Girt Borough	1344001-005	Sea Girt Borough CMMS	2,552	-	$100,000	$100,000	1	0	0	0	0	0	0	0.03	1.03
656	Hardyston Municipal Utility Authority	1911006-003	Asset Management Plan	1,963	-	$100,000	$100,000	1	0	0	0	0	0	0	0.02	1.02

Disclaimer: *The Drinking Water Project Priority List for FFY2019 (SFY2020) includes all projects that have been submitted in consideration for funding in the upcoming fiscal year regardless of status. Therefore, the list includes projects that are currently inactivated based on a decision by the water system not to proceed forward at this time. Projects that have already received approval of an authorization to advertise or authorization to award by July 31, 2018 are also included on the list in ranked order. However, these projects will be awarded funding under the terms of the original (November 2017) IUP provided the water system closes on a short-term loan by June 30, 2019. Any questions on ranking should be directed to staff in the Bureau of Safe Drinking Water at (609) 292-5550.*