New Jersey's Water Bank Financing Program

FINAL

Drinking Water State Revolving Fund Intended Use Plan for Federal Fiscal Year 2020 (and State Fiscal Year 2021)

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

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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.

Established in 1988, the New Jersey Water Bank is a partnership between the New Jersey Department of Environmental Protection (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. The NJ Water Bank administers New Jersey's Clean Water State Revolving Fund (CWSRF) and Drinking Water State Revolving Fund (DWSRF) under the federal Clean Water Act and Safe Drinking Water Act, respectively. The State Revolving Fund (SRF) 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 Intended Use Plans (IUPs). The Priority System/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 SRF capitalization grants to support the NJ Water Bank. This Federal Fiscal Year (FFY) 2020/State Fiscal Year (SFY) 2021 DWSRF IUP (FFY2020 IUP) provides information on how drinking water funds, available through the DEP and the I-Bank, will be used to provide financial assistance for drinking water projects and identifies State policies governing loan awards. Projects eligible for financing include a wide variety of drinking water treatment, including projects to address lead exposure in drinking water, violations of the maximum contaminant levels, unregulated contaminants, acute health effects (e.g. Surface Water Treatment Rule requirements). The FFY2020/SFY2021 CWSRF IUP was proposed and finalized in a separate document that is available on the website at www.nj.gov/dep/dwq/cwpl.htm.

Because of the success of the DWSRF program over the last few years, the NJ Water Bank has funded a record number of projects. The current demand for drinking water funds has been much higher than anticipated and exceeds the current amount of available funds. The FFY2020 IUP will fund projects based on both a project rank and readiness-to-proceed basis to ensure the highest priority projects (those impacting public health) will be funded with the available funds.

In FFY2020, 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 Water Transfer Funding Act (S. 1689) allows for a one-time transfer of approximately $110M of additional CWSRF funds to the DWSRF to provide principal forgiveness for high-priority projects designed to address lead exposure in drinking water. It does not allocate any new money to the SRF loan program but the transfer from CWSRF to DWSRF provides helpful short-term flexibility.

To accommodate the maximum number of these projects, and comply with the federal requirements, the Department proposed the FFY2020 IUP in December 2019. The proposed December 2019 FFY2020 IUP maintained base loan rates modified in FFY2018 and included a funding cap of $25 million per applicant per year for both publicly and privately-owned systems to ensure that limited funds are distributed among multiple high priority projects. The proposed December 2019 FFY2020 IUP also included principal forgiveness for lead service line replacement capped ($1M, $5M, $10M) per applicant/year based on the number of known lead service lines (<1,000, 1,000 to 5,000; or >5000, respectively).

In response to comments received on the proposed December 2019 FFY2020 IUP, in February 2020 the Department proposed additional amendments on the project and principal forgiveness caps for projects to

address lead exposure in drinking water that are being funded with the approximately $110M transferred as a result of the Water Infrastructure Funding Transfer Act. The cap on principal forgiveness for lead service line replacement was extended from the $1M, $5M, or $10M proposed in the December 2019 FFY2020 IUP to 50% of total allowable project costs up to $1M, $5M, or $20M per applicant/year based on the number of known lead service lines (<1,000, 1,000 to 5,000; or >5000). Furthermore, the Department extended the cap of $25M for both publicly and privately-owned water systems that serve communities where the median household income (MHI) is below the State MHI to $40M for projects to address lead exposure in drinking water that qualify for principal forgiveness. Any remaining projects costs may be funded by the I-Bank at Market Rate as capacity allows. The DEP is actively pursuing additional funding sources to address the increasing drinking water infrastructure financial needs.

No further changes to the available funding and principal forgiveness packages have been made as a result of comments received on the February 2020 IUP amendments. The Final DWSRF FFY2020 IUP is described in further detail below.

"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."

PROGRAM SUMMARY

WHAT'S NEW IN FFY2020!

The DEP made several changes to the DWSRF program for FFY2020 that include:

- 50% principal forgiveness and 50% funding from the I-Bank at the AAA market rate for lead service line replacement for eligible water systems. Projects are capped at $1M, $5M or $20M in principal forgiveness per applicant/year ($2M, $10M, or $40M in total project costs) based on the number of known lead service lines. The remainder of the project costs may receive funding from the I-Bank at the AAA market rate bond, as capacity allows;
- 90% principal forgiveness for projects designed to address lead exposure in drinking water (ex. installation of corrosion control treatment) for eligible water systems serving a population of ≤1,000. Projects are capped at $1M in principal forgiveness ($1.1M in total project costs) per applicant /year, with the remainder of project funding from the I-Bank at the AAA market rate bond, as capacity allows;
- Maintaining the following Base Program Rates capped at $25 million (per applicant/per year):
    - 50% funding from the DEP at 0% interest and 50% funding from the I-Bank at the AAA market rate bond for publicly owned water systems;
    - 25% funding from the DEP at 0% interest and 75% funding from the I-Bank at the AAA market rate bond for privately-owned water systems. In addition to the per applicant cap above, privately-owned water systems are capped at $10M per project;
- Funding on a readiness-to-proceed basis for those projects in the fundable range based on project ranking. This will ensure the high priority public health projects will be allowed to move forward on a readiness to proceed basis with the funds available;

Rolling Applications

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

Principal Forgiveness Funds

The DEP will continue using any carryover principal forgiveness funds from FFY2019/SFY2020 and allocate principal forgiveness funds in FFY2020/SFY2021 as follows:

LEAD SERVICE LINE REPLACEMENT Funding of lead service line projects will be in ranked order, with those systems receiving the loan rates of 50% principal forgiveness, 50% I-Bank Market Rate financing to replace lead lines in communities serving customers whose median household incomes are less than the State median household income. The principal forgiveness is capped at $1M, $5M, $20M per applicant/year ($2M, $10M, or $40M in total project costs) based on the number of known lead service lines (<1,000; 1,000 to 5,000; or >5000). All other systems will receive the base rate, affordability rate, or Nano financing.	**SMALL SYSTEM LEAD REMEDIATION** Small systems serving ≤1,000 will receive loan rates of 90% principal forgiveness, 10% I-Bank Market Rate financing in communities serving customers whose MHI is less than the State MHI. Principal forgiveness will be capped at $1M per water system/ per year.
	ASSET MANAGEMENT 100% principal forgiveness to develop and implement asset management programs for small drinking water systems (population < 10,000) with a high-ranking project ($100k cap).
	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 capped at $1M.

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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.

Construction of Storage Tanks at the Jackson Twp. MUA

Drinking Water Borrower Eligibility

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.

Project sponsors must satisfy the I-Bank and State of New Jersey creditworthiness standards to receive funding.

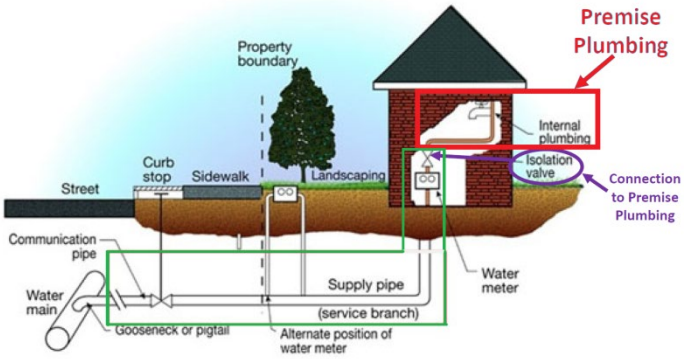
Drilling of a Drinking Water Well at the Berkeley Twp. MUA

Drinking Water Project Eligibility

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 eligible systems, with priority given to water systems that have exceeded the lead action level. Eligible water systems that do not exceed the lead action level but want to replace lead pipes are eligible for principal forgiveness in ranked order.

- 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



Drinking water service line eligible up to the isolation valve

- 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
- Security Monitoring projects designed to improve security at otherwise funding-eligible drinking water facilities are eligible for funding, including but not limited to:
    - Fencing
    - Lighting
    - Motion detectors
    - Cameras
    - Secure doors
    - Alternative auxiliary power sources

Planning & Design Loans

The Program also offers loans to cover the costs associated with planning and design of a water infrastructure project. These short-term loans are currently being offered at 0% interest to eligible projects in the fundable range. 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.

FFY2020 Funding Packages (Long-Term Loans)

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 or subsidized financing received for eligible large dollar-value projects in coordination with the Water Infrastructure Finance and Innovation Act (WIFIA) 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

The asset management funding will be available to drinking water systems with a population ≤10,000 in FFY2020, with a high-ranked capital improvement project.

DEP expects to make State Revolving Fund (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. Any of the $1M principal forgiveness reserved in FFY2019 for Asset Management Plans that remains unobligated at the end of FFY2019 is available for this purpose in FFY2020. A high-ranked capital improvement project must be implemented to be eligible for the asset management program. 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 communities for asset management.

Lead Remediation 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 or through the installation of corrosion control treatment.

Water Infrastructure Funding Transfer Act

On October 4, 2019, President Trump signed the Water Infrastructure Funding Transfer Act (S. 1689), which allows states a one-time transfer of funds from the Clean Water State Revolving Fund to the Drinking Water State Revolving Fund. The legislation was sponsored by U.S. Senator Cory Booker, D-N.J. and is commonly referred to as the "Booker Bill". The law allows State officials to transfer up to 5% of the cumulative clean water revolving fund or approximately $110 million in federal funds to the drinking water revolving fund to invest in water infrastructure and reduce lead in drinking water. It does not allocate any new money but provides helpful short-term flexibility. Funds must be used as additional subsidy in the form of principal forgiveness, negative interest loans, or grants (or any combination of these) and used for projects related to protecting water systems from the impacts of lead.

Principal Forgiveness for Projects to Reduce Lead Exposure

In FFY2020, the DEP will capitalize on the flexibility provided by the Water Infrastructure Funding Transfer Act and will transfer approximately $110 million to the drinking water revolving fund to provide principal forgiveness (PF) to eligible recipients for projects in communities with an Median Household Income (MHI) less than the State MHI that reduce exposure to lead in drinking water. Approximately, $100M will be used to fund lead service line replacement projects in priority ranked order, while $10M will be used to fund the installation of corrosion control treatment and lead service line replacement in priority ranked order at water systems serving a population ≤1,000 as described in more detail below.

Furthermore, in FFY2018/FFY2019 the DEP set aside $30 million for principal forgiveness for LSL replacement projects for water systems that met eligibility requirements. Project applicants were capped at $1, 5 or 10 million ($0.9, 4.5 or 9 million in principal forgiveness) per water system (PWSID)/per year based on the population served by the water system. As of the date of this IUP, $27 million in principal forgiveness has been committed to projects to fund LSL replacement. Any of the remaining $3M that is not committed to another eligible project in FFY2019 will be rolled over and made available for lead service line projects in FFY2020 at the rates specified below.

Approximately $100M in PF for LSL Replacement

In FFY2020, the DEP will use $100M of the approximately $110M in principal forgiveness funds, plus any of the remaining $3M from FFY2019, to fund lead service line replacement projects in priority ranked order. Publicly-owned and privately(investor)-owned water systems are eligible for principal forgiveness if the project is located in a community with a median household income (MHI) less than the median household income for the State. The MHI is calculated using 2017 Census data, in accordance with data obtained from https://www.census.gov/quickfacts/NJ. Priority will be given to water systems that have exceeded the lead action level. Water systems that do not exceed the lead action level but want to replace lead pipes are eligible for principal forgiveness in ranked order. Loans will be offered as 50% principal forgiveness (based on the caps noted below) and 50% funding from the I-Bank at AAA Market Rate Bond. The remainder of the project balance is eligible for financing by the I-Bank, as capacity allows.

Project applicants are capped at $2, 10, or 40 million ($1, 5 or 20 million in principal forgiveness) per water system (PWSID)/per year based on the number of **known** lead service lines being replaced in communities with an MHI below the State MHI. Project caps are based on known lead service lines in areas with an MHI that is below the State MHI and not the total number of lead service lines that may exist throughout the system. Water systems may be required to perform further materials evaluations in areas with an unknown number of lead service lines in order to qualify for principal forgiveness in those areas. Specifically, the caps are as follows:

- $40M ($20M principal forgiveness) for systems with > 5,000 known lead service lines;
- $10M ($5M principal forgiveness) for systems with ≥ 1,000 and ≤ 5,000 known lead service lines;
- $2M ($1M principal forgiveness) for systems with < 1,000 known lead service lines;

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

For Example: A $50M project submitted by a publicly-owned or privately-owned water system with >5,000 lead service lines serving a community with an MHI less than the State MHI, is capped at $20M in principal forgiveness and $20M by the I-Bank at the AAA Market Rate. The remaining $10M is eligible for funding by the I-Bank at AAA Market Rate as capacity allows.

A $30M project submitted by a publicly-owned or privately-owned water system with >5,000 lead service lines serving a community with an MHI less than the State MHI is eligible for $15M (or 50% of total project costs) in principal forgiveness and $15M from the I-Bank at AAA Market Rate.

$10M in PF for Small System Lead Remediation

The DEP will set-aside $10M of the approximately $110M to fund the installation of corrosion control treatment or lead service line replacement at water systems with a population ≤ 1,000 in priority ranked order. This includes small community water systems, such as mobile home parks, as well as eligible noncommunity water systems that may include schools and religious institutions. The challenges facing these systems differ from their larger counterparts. In many cases, these systems contain no lead service lines and must rely on the installation of corrosion control treatment to reduce lead in their drinking water from internal (premise) plumbing. Project applicants are capped at $1 million in principal forgiveness per water system (PWSID)/per year ($1.1M in total project costs). Loans will be offered as 90% principal forgiveness and 10% funding from the I-Bank

at Market Rate. If any of the $10M is remaining as of April 1, 2021 it will be made available as PF under the terms of the LSL replacement category.

Criteria for receiving a Water bank loan for LSL replacement

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

- Be able to document the presence of lead service lines and components through historic records that the lines to be replaced are lead. Acceptable records include information on the age of the houses and high probability of lead lines and components being present, line installation records, etc.
- Lead plumbing and components are defined as containing at least 90% or more lead by weight. This includes lead service lines, goosenecks, pigtails, and lead joints.
- Provide an LSL Replacement Plan and Capital Improvement Plan to establish a strategy for lead line replacement that complies with all federal and State requirements.
- Partial lead line replacements are not allowable.

Nano Loan Program

In FFY2020, systems serving 10,000 or fewer customers will continue to be funded in ranked order with the available $4 million principal forgiveness, subject to any State and federal limitations. 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 the applicable base rates for amounts greater than the $1 million cap. These projects are selected based on priority ranked order. In addition, the DEP intends to prioritize projects that have secured federal/non-profit grants to be leveraged with SRF funding.

Small Water System Programs

$2 million of SRF funds is being made available for programs directed to provide assistance to small systems.

Community Engineering Corps

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

Engineering Contract

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

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

Financing Options

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

Base DWSRF

At the time a project is at or near construction completion, long-term financing will be issued.

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

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

Project sponsors are only eligible for one enhanced subsidization rate (Nano, affordability) per capital project up to the specified project caps. The remainder of project costs are financed at the applicable base rate.

Project Caps

Project applicants for privately owned water systems are capped at $10 million per project. In addition, all project applicants for both privately and publicly owned systems are capped at $25M per applicant per year. Project costs over the specified caps can be financed by the I-Bank as capacity allows. The DEP is maintaining a funding cap of $25 million (per applicant/per year) for FFY2020 for publicly-owned water systems and extending the cap to privately owned water systems to ensure that multiple high priority drinking water projects receive funding. The total project cost financed, including any portion of the project financed at the base rate and financed at an enhanced subsidization rate (Nano, affordability, lead line replacement) may not exceed $25 million.
The above project caps do not apply to lead service line replacement projects funded with principal forgiveness as a result of the Water Infrastructure Funding Transfer Act. Those projects are capped at $2M, $10M or $40M ($1M/$5M/$20M principal forgiveness) as described above with the remainder financed by the I-Bank as capacity allows.

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

Drinking Water Financing Timeline

For the DWSRF FFY20/SFY21 program, funding decisions will be based on the DWSRF Project Priority List, as determined by the DWSRF Project Ranking methodology in Appendix 1. DEP will be determining financing availability and loan terms in priority ranked order based on available funds as follows:

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

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

Planning and Design

The Water Bank is currently offering 100% interest-free financing for up to two fiscal years for the planning and design phase of short-term loans which finance a project's planning, engineering design, legal, and construction expenses. Planning and design include projects such as the development of asset management plans. Loans are given to projects ranked high enough to be within the fundable range 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 5 full fiscal years.

SUMMARY OF FFY2020 FUNDING PACKAGES (LONG-TERM LOANS)

Table 1: 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%	$25 million[2] (remainder at I-Bank market rate as capacity allows)
Base DWSRF – Investor-owned	25%	75%	0%	$25 million[2] ($10 million per project) (remainder at I-Bank market rate as capacity allows)
Nano ≤ 10,000 customers	25%	25%	50%	$1 million (remainder at 50/50 or 25/75)
Affordability (publicly-owned water systems only)[3]	75%	25%	0%	$10 million (Remainder at base)
Small Systems (≤1,000): Engineering Contract[4]	0%	10%	90%	$500,000 (Remainder at base)
Small Systems (≤500): Community Engineering Corp	0%	0%	100%	$500,000 (Remainder at base)

*DEP
**I-Bank portion of funding is at AAA market Rate

Example: A $50M project submitted by a publicly owned water system, is eligible for $12.5M funding by DEP at 0% interest and $12.5M funding by I-Bank at the AAA Market Rate. The remaining $25M is eligible for funding by the I-Bank at AAA Market Rate as capacity allows.

[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] The total project cost for funding (excluding lead service line replacement projects eligible for principal forgiveness) may not exceed $25M per applicant per year and includes the cost of funded at the base rate as well as the cost financed at an enhanced subsidization rate (Nano, affordability).
[3] Systems serving municipalities with MHI ≤ 65% State MHI (2010 census).
[4] For eligible systems with a population less than or equal to 1,000 that are funded through the engineering contract.

Table 2: Lead Remediation Principal Forgiveness Packages Breakdown

Drinking Water	DEP 0%*	I-Bank Market Rate**	Principal Forgiveness	Total Project Costs
Lead Line Replacement[5]	0%	50%	50% of project costs up to:	
>5,000 known lead service lines	0%	50%	$20M	$40M
≥ 1,000 and ≤ 5,000 known lead service lines	0%	50%	$5M	$10M
< 1,000 known lead service lines	0%	50%	$1M	$2M
Lead Remediation[6]	0%	10%	90% project costs up to $1M	$1.1M

NOTE: Remaining project balance funded by I-Bank at AAA Market Rate as capacity allows.
Lead Remediation Packages are applicable to privately-owned and publicly owned water systems.

Examples: A $50M project submitted by a water system with >5,000 lead service lines, is capped at $20M in principal forgiveness and $20M by the I-Bank at the AAA Market Rate. The remaining $10M is eligible for funding by the I-Bank at AAA Market Rate as capacity allows.

A $30M project submitted by a water system with >5,000 lead service lines is eligible for $15M (or 50% of total project costs) in principal forgiveness and $15M from the I-Bank at AAA Market Rate.

[5] Publicly-owned and privately-owned water systems are eligible to receive principal forgiveness for lead line replacement funding in communities with an MHI less than the MHI for the State. These projects are funded in project priority order according to ranking assigned by the priority ranking system (see Appendix 1). PF Funding is capped per applicant/year based on the number of known lead service lines.
6 Small systems with a population less than or equal to 1,000 are eligible to receive principal forgiveness for corrosion control treatment and lead line replacement in communities with an MHI less than the MHI for the State.

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 FFY2020/SFY2021 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 for DWSRF projects will be up to 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.

Only projects satisfying the following three criteria are eligible to qualify for emergency funds: (i) the project will repair the actual or impending failure of one or more components of a drinking water or wastewater system caused by structural or mechanical failure, sabotage or act of God; (ii) the actual or impending failure of the system could not have reasonably been foreseen; and (iii) the project is necessary and limited to correct the failure of an essential portion of the environmental infrastructure system to restore service (cumulatively hereafter referred to as "Corrective Action").

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 is subject to all applicable approvals and publication in the SFY2021 Financial Plan in May of 2020.

Sources and Use of Funds

The Table below represents estimated amounts available from prior program years and anticipated uses for the FFY2020/SFY2021 Drinking Water Environmental Infrastructure Financing Program:

UPDATED ESTIMATES FOR DRINKING WATER PROGRAM ONLY:

SFY2021 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 (yearly allotment)	$ 6 M
Subtotal	$ 60 M
Anticipated I-Bank Share (est. 50%)	$ 60 M
Total Program Sources:	**$ 120 M**
Anticipated Additional SFY2021 Sources:	
CW to DW Transfer (Water Infrastructure Funding Transfer Act)	$ 110 M
Anticipated I-Bank Share	$ 110 M
Subtotal	$ 220 M
Total ALL Program Sources for SFY2021:	**$ 340 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. Additionally, The Water Infrastructure Funding Transfer Act allows the State to transfer up to 5% of the cumulative

clean water revolving fund to the drinking water revolving fund to provide additional subsidy to eligible recipients for projects that abate exposure to lead in drinking water.

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 if necessary, to cover the default of a loan repayment or other financial obligation. DEP and the I-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 FFY2020 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.
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. Monies in the DWSRF 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. 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.

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 finalized a workplan for the FFY2019 non-project set-asides which was submitted to USEPA on July 2, 2019 and distributed to community and nonprofit noncommunity water systems and other stakeholders. This final workplan is a requirement for the FFY2019 Capitalization Grant. The DEP was awarded the Capitalization Grant in October 2019.

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

Funds Available	***FFY 2019***
Federal Capitalization Grant	$ 18,780,000.00
State Match	
20%	$ 3,756,000.00
Projected Expenditures	
Administration (net position)	$ 1,027,082.00
Non-project Set-asides	$ 1,875,200.00
Small System Tech Assistance (2%)	$ 102,518.00

APPENDIX 1: 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, receive priority points for the highest rated element in that category. Individual projects cannot receive points in Category A for multiple elements. Projects for the same water system involving multiple elements with unrelated scopes are separated and priority points assigned accordingly for each project.

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

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 used 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[7]

1.	Systems that use surface water that are not in compliance with the surface water treatment technique 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 use groundwater under the direct influence of surface water, that are not in compliance with the surface water treatment technique 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 use 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).[8]	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

[7] 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.

[8] Systems with an ALE are eligible to receive the 250 points provided the system has an open violation with additional requirements to complete in order to return to compliance under the Federal rules.

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
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.	Systems without a lead action level exceedance that: 1) are replacing known lead service lines in communities with an MHI less than the MHI for the State; and 2) are certified for principal forgiveness under the approximately $110M available as a result of the Water Transfer Funding Act.	125 Points
13.	Existing treatment facilities that need to be rehabilitated, replaced, or repaired to ensure compliance with the SDWA.	100 Points
14.	Existing transmission or distribution mains with appurtenances that need to be rehabilitated, replaced, repaired or looped to prevent contamination caused by leaks or breaks in the pipe or improve water pressures to maintain safe levels or to ensure compliance with the SDWA.	75 Points
15.	Existing pump stations or finished water storage facilities that need to be rehabilitated or replaced to maintain compliance with the SDWA.	60 Points
16.	New finished water storage facilities or pump stations that are needed to maintain pressure in the system and/or prevent contamination.	50 Points
17.	Addition or enhancement of security measures at drinking water facilities, including but not limited to fencing, lighting, motion detectors, cameras, secure doors and locks, and auxiliary power sources.	45 Points
18.	Green Infrastructure: renewable energy generation such as solar panels, hydroelectric, geothermal or wind turbines or infrastructure built at the water system facilities such as green roofs, porous pavement, bioretention or grey water reuse.	45 Points
19.	Systems which have had any exceedance of any secondary drinking water regulations that have received notification issued by DEP that exceedance of a secondary drinking water regulation causes adverse effects on the public welfare, and for which the system has received a directive issued by the DEP requiring correction of the exceedance.	40 Points
20.	Installation of new water meters and/or other water conservation devices, including but not limited to retrofit plumbing fixtures.	35 Points
21.	Construction of new or rehabilitation of existing interconnections between water systems to improve water pressures to maintain safe levels, promote	30 Points

	availability of alternative source of supply, or to ensure compliance with the SDWA.	
22.	Replacement of water meters.	25 Points
23.	Redevelop wells, construct new wells, or construct or rehabilitate surface water sources with associated treatment facilities to meet the New Jersey SDWA rules for required pumping capacity.	15 Points
24.	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:

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

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. Population served is based on the permanent population of the water system service area.

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 2: SUMMARY OF PUBLIC COMMENTS AND AGENCY RESPONSES ON THE PROPOSED DWSRF FFY2020 IUP

I. Proposed DWSRF FFY2020 (SFY2021) IUP issued December 19, 2019

The DEP proposed the Drinking Water State Revolving Fund (DWSRF) IUP for FFY2020 (SFY2021) on December 19, 2019. 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 January 7, 2020 at the New Jersey Infrastructure Bank in Lawrenceville, NJ. The 30-day public comment period closed on January 20, 2020. In addition to DEP and I-Bank staff, six (6) individuals attended the public hearing and two (2) provided comments. The DEP also received two written comments on the proposed December 2019 FFY2020 IUP that were submitted by close of business on January 20, 2020.

The following persons submitted comments on the proposed December 2019 FFY2020 IUP:

1. Ras J. Baraka, Mayor, City of Newark
2. United States Senator Cory A. Booker
3. Eleni Giannikopoulos, Suburban Consulting Engineers
4. William R. Mayer, Decotiis, Fitzpatrick, Cole & Giblin, LLP on behalf of the City of Newark

The below summarizes the major public comments received on the proposed December 2019 FFY2020 IUP.

COMMENT

Senator Booker, the author of the Water Infrastructure Funding Transfer Act, stated that the incentive for the bill was the threat to public health from lead in drinking water in New Jersey's largest and most disadvantaged cities. To that extent, the Senator commented that municipalities that are aggressively identifying solutions and pursuing lead service line replacement projects should be prioritized to benefit from the available funds. To allow municipalities to address the threat to public health from lead exposure quickly, Senator Booker supports a modification of the proposed IUP to increase the annual cap on principal forgiveness for projects that may extract greater benefit from more federal dollars now, rather than over several years.

The City of Newark also requested an increase in the annual caps for principal forgiveness and with respect to Lead Service Line Projects to $40,000,000 based on construction readiness per each eligible municipal application for lead service line replacement. Newark stated that the $10,000,000 annual cap for principal forgiveness for lead service line projects and the $25,000,000 funding cap "per applicant per year" unfairly limits the total principal forgiveness available to the City for the final six (6) phases of the lead service line project. The City's Bond Counsel, William Mayer, reiterated this position at the public hearing held on January 7, 2020 and asked that DEP make this principal forgiveness available to municipal borrowers before July 1, 2020.

RESPONSE

Funding for LSL replacement is a priority both nationwide and for the DEP. Currently, there are approximately 193,000 known lead service lines and an estimated 230,000 - 350,000 total lead service lines Statewide. The estimated need to replace lead service lines is approximately $2.1 to $3.2B Statewide, far surpassing the available funds. To date, out of the 575 community water systems in New Jersey, 107 have reported the known presence of lead service lines in their distribution system. These 107 water systems provide water to over 5.6 million consumers in the State. Approximately half of these systems serve communities with an MHI than is less than the MHI for the State, qualifying them to receive principal forgiveness funding for lead service line replacement under the terms of the proposed IUP.

To that extent, the principal forgiveness caps in the proposed IUP were designed to distribute the available funds across multiple water systems with lead service lines and prioritize the funding for public health as

indicated by systems that have ALEs and lower household incomes. However, the DEP acknowledges that several water systems, including Newark, with a highly ranked lead service line replacement projects are ready to proceed forward with a lead service line replacement plan that commits to addressing public health issues in those systems. Therefore, the DEP has raised the cap on principal forgiveness for systems with more than 5,000 lead service lines to $20M in response to comments received on the proposed IUP. This allows the DEP to provide additional principal forgiveness funds to systems that are ready to proceed but reserves room for other systems with ALEs and those that serve areas with lower household incomes to take advantage of the remaining funds.

While Newark requested an expedited timeframe to receive principal forgiveness funds, funding packages are based on the terms of the IUP for the current fiscal year. The additional principal forgiveness received as a result of the Water Infrastructure Funding Transfer Act is outlined in the SFY2021 IUP. Therefore, water systems will be eligible to receive principal forgiveness after July 1, 2020. However, projects can move forward to obtain program approvals in advance of July 1, 2020 so they are ready to receive funding after July 1, 2020.

COMMENT

Eleni Giannikopoulos commented during the public hearing that a reevaluation of the ranking methodology is necessary, specifically to address the requirements of the Water Quality Accountability Act. She stated that the Act is putting a burden on the water systems to maintain and operate their systems in a way that was not an industry standard in prior years. Exercising valves that have been left untouched for years in order to maintain compliance with the Act, leaves water systems facing the burden of replacement costs. The existing ranking methodology does not provide ranking points for projects that are proactively addressing regulatory compliance under the Act. It would be helpful, especially for smaller systems where a one-million-dollar project may be a detriment to the debt service.

RESPONSE

Revisions to the point system were not one of the proposed changes to the IUP. As the demand for drinking water funding has increased, the DEP is awarding the most points to projects which address health-based issues. This includes those systems that have exceedances of the MCLs, ALEs and contaminates of emerging concern. A reevaluation of the point system is anticipated in a future IUP but this task is complicated by the need to properly prioritize necessary infrastructure improvements, increasing regulatory requirements and other community needs with limited funds. The DEP continues to evaluate ways to help offset the costs of meeting regulatory requirements and the paramount goal of protecting public health.

Transcripts of the hearings on the proposed December 2019 FFY2020 IUP are available from the transcription services (Guy J. Renzi & Associates of Trenton, NJ) to any interested person or organization upon request. In addition, copies of the transcripts may be reviewed at the DEP's offices at 401 East State Street in Trenton, New Jersey.

II. Amendments to the Proposed DWSRF FFY2020 (SFY2021) IUP issued February 14, 2020

The DEP proposed amendments to the Drinking Water State Revolving Fund (DWSRF) IUP for FFY2020 (SFY2021) on February 14, 2020. A Notice of Open Public Comment Period was sent to interested parties, including community water systems, non-profit non-community water systems and engineers. The DEP received one written comment on the amendments to the FFY2020 IUP that were submitted by close of business on March 2, 2020.

The following persons submitted comments on the Proposed Amendments to the FFY2020 IUP dated February 14, 2020:

1. Kristin Epstein, Assistant Director, Trenton Water Works

The below summarizes the major public comments received on the amendments to the proposed FFY2020 IUP dated February 14, 2020.

COMMENT
Trenton Water Works (TWW) commented that their 5- year LSLR project is not listed on the Project Priority List. TWW plans to proceed with the 5-year lead service replacement project in FY2021 and guarantee of financing and/or loan forgiveness will be essential to moving forward with the project.

RESPONSE
The DEP has reviewed and finalized the ranking for this project and added it to the updated project priority list in Appendix III. Any water systems with questions on ranking should contact the Division of Water Supply and Geoscience, Bureau of Water System Engineering at (609) 292-2957.

COMMENT
TWW recommends removal of the definition of lead plumbing and components ("containing at least 90% or more lead by weight"), except to reference the EPA's Lead and Copper Rule (LCR) definition. The LCR is undergoing revision and may include a definition of LSL that differs from the definition stated here.
TWW also recommends that partial lead service line replacements be made fundable if they meet the conditions listed in the EPA's LCR.

RESPONSE
As stated by TWW, EPA is in the process of updating the Federal Lead and Copper Rule (LCR). However, NJ is also in the process of identifying potential amendments to the State rules regarding lead and copper. Once finalized, the DEP will consider changes to a future IUP regarding the definition of lead plumbing and components for consistency with both rules. The DEP has added examples in addition to the definition of lead plumbing and components to provide more clarification for borrowers.

Under the DWSRF program, the NJ Water Bank provides funding only for full (not partial) lead service line replacements. This is in line with program goals to ensure the highest priority projects (those impacting public health) are funded with available funds. Full replacement under the DWSRF program refers to the removal of all lead plumbing and components from the line regardless of ownership. For example, if the customer owned portion of the service line contains lead, water systems would not be eligible for DWSRF funding for removal of lead only from the water system owned portion of the line. However, if the customer owned portion is copper, a water system would be eligible for DWSRF to replace the water system owned portion of the line that contains lead. In this case, because all lead is removed from the service line it is considered a full replacement.

COMMENT
The language that "there are no submission deadlines" in the Program Summary is confusing as April 1, 2021 is the cutoff date for rolling over to the next fiscal year IUP. If the funds rollover, it causes delay in our guarantee of receiving the funds which delays our ability to advertise bids, issue contracts, and get project resolutions passed.

RESPONSE
The referenced language "there are no submission deadlines" is included under the heading of rolling applications. Applications are accepted at any time during the year. Projects, especially those in the fundable range, must move forward and receive authorization to award by April 1, 2021 in order to qualify for funding in FFY2020. This is necessary so that funding is not reserved for projects that do not intend to move forward in FFY2020.

COMMENT
TWW is requesting "pre-award approvals" be provided to select non-emergency contracts, as well. The uncertainty of the approval has caused delays in the LSLR program and will continue to cause delays if there is more uncertainty for future phases.

RESPONSE
"Pre-award approval" occurs when the authorization to award is issued prior to loan award for projects that have met the requirements of the DWSRF program. In FFY2018 and FFY2019, the Intended Use Plan included amendments to fund projects based on rank instead of readiness to proceed in order to fund the highest priority projects based on limited available funds. This resulted in delays in issuing pre-award approvals in order to maximize the use of available funds. In FFY2020, changes to the IUP include allowing projects in the fundable range to move forward on a readiness to proceed basis. This means that LSL replacement projects in the fundable range will be issued approvals and funded on a readiness to proceed basis.

COMMENT
Some of these categories overlap and allow systems to "double up" on points for the same issue. For example, the same utility could have MCL violations (250 Points) and existing treatment facilities in need of repair to ensure compliance with the SDWA (100 points) or existing finished water storage facilities that need to be rehabbed or replaced to maintain compliance with the SDWA (100 points).

RESPONSE
Points assigned for Category A: Compliance with the SDWA and Protection of Public Health are not cumulative and do not allow projects to "double up" on points for the same issue. Projects that qualify based on multiple project elements receive points from the highest element. For example, a utility that has an MCL violation (250 points) and existing treatment facilities in need of repair (100 points), will receive 250 points or the higher of all qualifying elements. Language has been added to the IUP to provide clarification on how the ranking points are assessed.

COMMENT
When calculating the MHI for a utility's service area, the instructions state that a weighted MHI is calculated based on the population of each municipality. We recommend that this language be revised to state that the weighted MHI calculation be based on the population located within the service area of each municipality.

RESPONSE
Language has been added clarifying that the population served is based on the permanent population of the water system service area.

STATE OF NEW JERSEY
FINAL DWSRF PROJECT PRIORITY LIST FOR FEDERAL FISCAL YEAR 2020 (and SFY 2021)

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	0714001-020	Phase-2 Lead Service Line Replacement (LSLR) Project	280,139	$12,989,172	$418,386	$15,693,186	250	50	20	0	5	0	80	2.9	407.9
6	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	80	3.91	403.91
8	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
9	Newark City	0714001-021	Phase 3-10 Lead Service Line Replacement (LSLR) Project	280,000	$120,000,000	$100,000	$144,929,550	250	0	20	0	5	0	80	2.94	357.94
10	Passaic Valley Water Commission	1605002-002	Lead Service Line Replacement in Main System	306,707	$21,918,500	$66,200	$26,302,200	250	0	15	0	5	0	80	3.1	353.1
10	Passaic Valley Water Commission	1605002-026	PVWC Lead Service Line Replacement	147,000	$1,400,000	$578,000	$1,978,000	250	0	20	0	0	0	80	3.1	353.1
12	New Brunswick City	1214001-005	Water Treatment Plant Improvements	50,000	$10,435,000	$3,443,100	$13,878,100	250	0	15	5	0	0	80	0.55	350.55
14	North Shore Water Association	1904004-001	Existing Well Requires Replacement	105	$360,000	$115,000	$475,000	300	0	20	0	0	0	0	0	320
16	Bloomfield Township	0702001-003	Lead Service Line Replacement	47,982	$875,000	$1,440,000	$1,098,395	300	0	0	5	0	0	0	0.47	305.47
17	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
18	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
19	Burlington City	0305001-002	Rehabilitation of Dual Media Filters	9,835	$700,000	$398,000	$1,098,000	250	0	15	5	0	0	30	0.1	300.1
20	North Shore Water Association	1904004-004	Water System Refurb	105	$100,000	$145,400	$245,400	300	0	0	0	0	0	0	0	300
21	Trenton City	1111001-005	5-year Lead Service Line Replacement & Verification Project	225,000	$195,000,000	$1,312,000	$239,000,000	250	0	15	0	5	0	15	2.17	287.17
23	Bloomfield Township	0702001-004	Interconnection Project	47,315	$1,920,000	$491,000	$2,592,000	250	0	0	5	0	0	15	0.47	270.47
24	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
25	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
26	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
26	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
28	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
30	ADTI Housing Corporation	2103002-001	Chlorination system	83	$243,700	$109,665	$353,365	250	0	0	0	0	0	15	0	265
31	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
31	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
31	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
34	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
34	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
36	Old Bridge Municipal Utilities Authority	1209002-014	Perrine Road Carbon Absorber Facility	65,375	$1,200,000	$240,000	$1,440,000	250	0	0	0	0	0	0	0.67	250.67
37	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
38	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
41	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

FINAL DWSRF PROJECT PRIORITY LIST FOR FEDERAL FISCAL YEAR 2020 (and SFY 2021)

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
43	Brick Township Municipal Utilities Authority	1506001-011	Granular Activated Carbon (GAC) Treatment Addition	86,898	$16,000,000	$4,890,000	$20,890,000	200	0	20	0	0	0	15	0.87	235.87
44	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	0.75	235.75
45	Newark City	0714001-017	Water Distribution System Upgrades	285,000	$971,100	$866,400	$1,837,500	75	50	20	0	0	0	80	2.9	227.9
46	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
46	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
46	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
50	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
50	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
50	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
50	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
54	Berkeley Township Municipal Utilities Authority	1505004-010	Berkeley Township MUA Phase VII Water Main Installation	10,800	$6,125,000	-	$7,962,500	125	0	20	0	0	0	80	0.11	225.11
55	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
56	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
57	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
58	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
58	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
58	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
58	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
62	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
63	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
64	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
64	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
64	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
64	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
64	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
64	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
64	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
64	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
64	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

FINAL DWSRF PROJECT PRIORITY LIST FOR FEDERAL FISCAL YEAR 2020 (and SFY 2021)

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
64	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
74	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
75	Buena Vista Township	0660004-001	Water Main extension due to private well contamination	184	-	-	-	125	0	0	0	0	0	80	0	205
76	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
77	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	200	0	0	0	0	0	0	0.1	200.1
78	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
80	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	30	2.62	197.62
81	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
82	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
82	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
84	Bridgeton City	0601001-006	Well 14/15 Rehabilitation	25,349	$5,300,000	-	$6,810,000	100	0	15	0	0	0	80	0.25	195.25
85	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
86	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
87	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
88	Jersey City Municipal Utilities Authority	0906001-027	PHASE 6B WATER MAIN REHABILITATION PROJECT	247,597	$6,529,990	-	$8,140,310	75	50	20	5	5	0	30	2.62	187.62
89	Jersey City Municipal Utilities Authority	0906001-029	Phase 6A Water Rehabilitation	265,510	$15,000,000	-	$18,800,000	75	50	20	5	5	0	30	2.62	187.62
90	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
90	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
92	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
93	Woodbine Borough	0516001-001	WTP Upgrade and water main extension	2,472	$2,537,500	$706,730	$3,244,230	100	0	0	0	0	0	80	0.03	180.03
94	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
94	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
94	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
97	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
98	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
99	Atlantic City Municipal Utilities Authority	0102001-007	Water Main Replacement Program	94,225	-	-	-	75	0	20	0	0	0	80	0.95	175.95
101	NJ American Water Company, Incorporated	2004002-014	RMWTP LT2ESWWTR and Filter Rehabilitation	44,464	$31,209,707	$3,088,865	$37,983,523	100	50	20	0	0	0	0	3.15	173.15
102	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
103	Wildwood City	0514001-006	2019 Capital Improvements (Drinking Water)	94,333	$4,756,511	$478,605	$6,183,204	75	0	15	0	0	0	80	0.94	170.94
104	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
105	Little Egg Harbor Municipal Utilities Authority	1516001-005	Little Egg Harbor Water Improvements Phases I	6,667	$4,789,562	$1,245,286	$6,034,848	75	50	15	0	0	0	30	0.24	170.24

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106	North Jersey District Water Supply Commission	1613001-026	Low Lift Gas Pump	872,153	$9,142,875	$3,665,650	$12,808,525	100	50	20	0	0	0	0	0	170
106	North Jersey District Water Supply Commission	1613001-031	Purchase and Install New Dewatering System	150	$2,469,700	$1,215,800	$3,685,500	100	50	20	0	0	0	0	0	170
109	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
110	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
110	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
110	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
114	NJ American Water Company, Incorporated	1345001-021	Swimming River WTP 2nd Clearwell	335,449	$16,973,964	$5,143,231	$22,117,195	100	50	0	0	0	0	15	3.35	168.35
116	Camden City	0408001-022	Install potable wells/flr elevations at Morris Delair WTP	46,585	$100,000	$1,160,000	$1,260,000	15	50	20	0	0	0	80	0.47	165.47
117	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
117	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
119	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
120	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
121	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
121	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
121	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
124	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
125	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
127	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
128	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
129	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
130	Clementon Borough	0411001-001	Rehab of Gibbsboro Water Main (White Horse Pike & White Horse Rd.)	5,003	$300,000	$156,750	$456,750	75	0	0	0	0	0	80	0.05	155.05
132	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
133	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
133	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
135	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
136	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
136	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
136	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
139	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
141	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	2.33	152.33
142	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

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142	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
144	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
145	Freehold Borough	1315001-002	Water Plant Development	12,052	$5,000,000	-	$6,440,000	100	0	15	0	5	0	30	0.12	150.12
146	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
147	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
147	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
149	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
149	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
151	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
151	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
154	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
155	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
155	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
157	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	50	0	5	5	0	0	6.15	141.15
158	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
159	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
160	Hightstown Borough	1104001-009	Water Tank Painting & Repairs	5,567	$660,500	-	$922,600	60	50	15	0	0	0	15	0.05	140.05
162	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
163	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
164	Mount Arlington Borough	1426005-003	Altenbrand, Windemere, McGregor and Lee Water Main Extension	133	$1,529,000	$330,000	$2,020,000	125	0	15	0	0	0	0	0.02	140.02
165	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	5	0	30	2.64	137.64
166	Jersey City Municipal Utilities Authority	0906001-012	Water Main Replacement	262,000	$12,000,000	$4,643,000	$16,643,000	75	0	20	5	5	0	30	2.62	137.62
166	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
166	Jersey City Municipal Utilities Authority	0906001-026	5-B Water Project	250,000	$6,100,000	$725,400	$7,320,000	75	0	20	5	5	0	30	2.62	137.62
169	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
171	Atlantic City Municipal Utilities Authority	0102001-009	Water Meter and MTU Replacement	75,619	$2,210,000	$350,000	$2,652,000	25	0	15	0	0	15	80	0.76	135.76
172	Willingboro Municipal Utilities Authority	0338001-011	Well 6 Water Treatment Plant Upgrade	34,731	$6,250,000	$2,154,000	$8,404,000	100	0	20	0	0	0	15	0.35	135.35
173	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
173	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
173	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
176	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	15	5	5	0	30	2.62	132.62

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176	Jersey City Municipal Utilities Authority	0906001-010	Journal Square North Cleaning	262,000	$5,000,000	$2,067,000	$7,067,000	75	0	20	5	0	0	30	2.62	132.62
178	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	15	5	5	0	30	2.57	132.57
179	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
179	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
185	Manchester Township	1518005-004	MANCHESTER TOWNSHIP 1.0MG ELEVATED TANK	21,200	$4,962,608	$380,619	$6,135,130	50	0	0	0	0	0	80	0.21	130.21
186	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
187	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
188	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
189	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
190	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
191	NJ American Water Company, Incorporated	1345001-019	Howell-Lakewood Transmission Main	290,470	$32,000,000	$9,050,000	$41,050,000	75	50	0	0	0	0	0	2.55	127.55
192	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
192	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
196	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
197	Atlantic City Municipal Utilities Authority	0102001-008	Water Meter Replacement Program	94,225	-	-	-	25	0	20	0	0	0	80	0.95	125.95
198	Old Bridge Municipal Utilities Authority	1209002-005	Laurence Harbor Water System Upgrade, Phase 1	65,375	$1,753,990	$182,000	$2,315,267	75	50	0	0	0	0	0	0.67	125.67
199	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
200	Hoboken City	0905001-002	Water Main Upgrades (2018)	54,379	$4,443,160	$1,127,465	$5,570,625	75	50	0	0	0	0	0	0.54	125.54
201	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
202	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
203	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
203	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
205	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
205	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
205	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
205	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
209	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
209	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
209	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
212	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
212	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
214	Manchester Utilities Authority	1603001-001	Heights Tank Rehabilitation	12,028	$389,167	$1,800,000	$500,000	60	50	15	0	0	0	0	0.12	125.12
215	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	50	0	0	0	0	0	0.08	125.08

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216	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	0.08	125.08
217	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
218	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
219	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
220	Vineland City	0614003-017	2016 Water Distribution Rehabilitation Project	36,848	$1,906,425	$740,056	$2,646,481	75	0	15	0	0	0	30	0.36	120.36
221	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
221	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
221	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
225	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
226	Tuckerton Borough	1532002-007	Curlew Rd. and Kingfisher Rd. Water Main Replacement and Well#3, Well#4 Rehabilitation/Repairs.	3,371	$1,268,730	-	$1,649,349	75	0	15	0	0	0	30	0.06	120.06
227	Seaside Park Borough	1527001-004	Well 10 Treatment Facility	1,700	$495,000	$99,000	$594,000	40	0	0	0	0	0	80	0.02	120.02
228	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
229	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	15	5	5	0	15	2.62	117.62
229	Jersey City Municipal Utilities Authority	0906001-023	Phase 5A Water Project	262,000	$7,750,000	-	$9,300,000	75	0	15	5	5	0	15	2.62	117.62
229	Jersey City Municipal Utilities Authority	0906001-024	Phase 2A Water	250,000	$9,700,000	$1,800,000	$11,640,000	75	0	15	5	5	0	15	2.62	117.62
232	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
232	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
234	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
235	Merchantville Pennsauken Water Commission	0424001-002	Woodbine PFNA plant	49,000	$4,455,000	$1,300,000	$5,646,000	100	0	0	0	0	0	15	0.47	115.47
236	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
237	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
238	Ship Bottom Borough	1528001-003	Water Treatment Plant Reconstruction	17,437	$8,000,000	$2,147,725	$9,900,000	100	0	0	0	0	0	15	0.17	115.17
239	South Orange Village	0719001-012	South Orange Newstead Watersphere Emergency Repairs	17,000	$475,000	-	$640,000	60	50	0	5	0	0	0	0.17	115.17
240	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
241	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
243	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
245	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
246	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
247	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
249	North Jersey District Water Supply Commission	1613001-034	Security, IT and Safety Projects	872,153	$950,350	$496,558	$1,446,908	45	50	20	0	0	0	0	0	115

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251	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
252	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
254	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	15	0.87	110.87
255	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
257	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
258	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
259	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
260	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
261	Passaic Valley Water Commission	0231001-002	Lead Service Line Replacement in Lodi System	24,551	$6,000,000	$7,000,000	$7,200,000	75	0	0	0	5	0	30	0.24	110.24
262	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
263	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
264	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
265	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
266	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
266	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
268	Jersey City Municipal Utilities Authority	0906001-028	Dam Security Improvements	265,932	$1,250,000	$317,200	$1,682,400	45	0	20	5	5	0	30	2.66	107.66
269	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
270	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
270	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
270	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
275	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
275	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
277	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
278	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
279	West Deptford Township	0820001-003	Water Meter Replacment Project	21,248	$2,958,200	$666,640	$3,624,840	25	50	0	0	0	15	15	0.21	105.21
280	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
281	South Orange Village	0719001-008	Well 17 Air Stripper	16,198	$250,000	$112,500	$362,500	100	0	0	5	0	0	0	0.17	105.17
282	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
283	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
284	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
286	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
287	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
287	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
287	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

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287	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
287	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
287	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
287	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
287	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
287	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
300	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
300	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
300	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
304	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
305	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	0	30	0.1	105.1
306	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
307	Hightstown Borough	1104001-010	2017 Water Main Improvements	5,567	$1,239,150	$536,528	$1,775,678	75	0	15	0	0	0	15	0.06	105.06
308	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
310	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
311	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
312	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
313	Passaic Valley Water Commission	1605002-001	Subsurface Exploratory Investigation for Determination of Lead Service Lines	306,707	$4,278,200	$24,929,550	$5,133,840	1	0	15	0	5	0	80	3.1	104.1
314	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
315	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
317	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
317	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
319	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
321	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
324	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
325	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	0.19	100.19
326	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
329	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
330	Long Beach Township	1517001-502	reconstruct filter room & pumps	9,962	$1,927,000	$1,278,797	$3,205,797	100	0	0	0	0	0	0	0.1	100.1
331	Waldwick Borough	0264001-003	Water Treatment Systems	9,625	$2,700,000	$855,640	$3,510,000	100	0	0	0	0	0	0	0.1	100.1
332	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
333	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
334	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

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335	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
336	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
337	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
339	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
340	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
341	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
342	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
343	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
344	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
345	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
346	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
347	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	15	0	0	0	80	0.76	96.76
348	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
349	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
350	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
351	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
352	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
353	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
354	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
354	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
356	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
357	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
358	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
360	Milltown Borough	1212001-002	Ford Ave Redevelopment	7,052	$1,060,000	$546,000	$1,606,000	75	0	15	0	5	0	0	0.07	95.07
361	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
362	Clementon Borough	0411001-002	Rehab of well 9 including slip lining to improve conveyance	5,003	$850,000	$444,125	$1,294,125	15	0	0	0	0	0	80	0.05	95.05
363	Flemington Borough	1009001-009	Additional Water Tank and Improvements	4,389	$3,500,000	$1,000,000	$4,500,000	60	0	0	5	0	0	30	0.04	95.04
364	Hamburg Borough	1909001-002	Water Storage Tank Rehabilitation	3,200	$820,000	$298,000	$1,000,000	60	0	20	0	0	0	15	0.03	95.03
365	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
366	Milltown Borough	1212001-004	Cleaning and Lining of mains and construction of 2 water main loops to eliminate dead ends	7,052	$1,062,500	$880,750	$1,943,250	75	0	15	0	5	0	0	0.07	95
367	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
367	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
370	Orange City	0717001-006	asset management plan	30,134	$6,000,000	$1,220,000	$7,200,000	1	0	0	5	5	0	80	0.3	91.3

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371	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	15	0.87	90.87
372	Bayonne City	0901001-006	Aqueduct Replacement	63,000	$8,737,229	$1,747,446	$10,484,675	75	0	0	0	0	0	15	0.63	90.63
373	Hoboken City	0905001-003	Water Main Upgrades Phase II	54,379	$4,200,000	$3,178,333	$5,040,000	75	0	15	0	0	0	0	0.52	90.52
374	Monroe Municipal Utilities Authority	0811002-001	Tank Painting	36,908	$1,338,500	$482,000	$1,606,200	60	0	0	0	0	0	30	0.37	90.37
375	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
376	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
376	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
378	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
379	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	0	15	0.31	90.31
379	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	0	15	0.31	90.31
381	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
382	Glassboro Borough	0806001-001	2.0 mg elevated tower repainting	19,992	$2,327,688	$95,000	$3,142,226	60	0	0	0	0	0	30	0.24	90.24
383	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
384	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
385	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
386	Wallington Borough	0265001-002	Wallington Avenue Water Main	11,335	$2,084,160	$442,000	$2,500,992	75	0	0	0	0	0	15	0.12	90.12
387	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
389	Ship Bottom Borough	1528001-004	Water Main Replacement Project	5,762	$3,294,705	$1,435,887	$4,053,646	75	0	0	0	0	0	15	0.06	90.06
390	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
391	Lakehurst Borough	1513001-002	Water Main Replacement Project Phase I	2,654	$860,820	$223,813	$1,084,633	75	0	0	0	0	0	15	0.03	90.03
392	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
393	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
395	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
396	Hopewell Township	1106001-001	Water System Improvements	5,710	$1,000,000	$927,000	$1,285,000	75	0	15	0	0	0	0	0	90
397	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
398	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
399	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
400	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
402	NJ American Water Company, Incorporated	0712001-016	NJ American Water Lead Service Line Replacement Program PWSID 0712001	217,230	$2,805,000	$1,027,600	$3,832,600	75	0	0	5	0	0	0	2.17	82.17
403	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
404	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	0.22	81.22

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405	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
406	Seaside Park Borough	1527001-003	Water Asset Management Plan	3,753	-	$70,200	$70,200	1	0	0	0	0	0	80	0.04	81.04
407	Perth Amboy City	1216001-005	THE INSTALLATION OF A NEW STANDBY GENERATOR AT THE RUNYON WATER TREATMENT PLANT	366,296	$750,000	$9,087,360	$1,021,050	45	0	0	0	5	0	30	0.52	80.52
407	Perth Amboy City	1216001-500	Install New Stand-by Generator for Runyon Water Treat. Plant	50,814	$1,855,500	$852,500	$2,708,000	45	0	0	0	5	0	30	0.52	80.52
409	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
409	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
411	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
411	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
411	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
414	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
415	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
416	South Orange Village	0719001-009	Scotland Road Water Mains	17,000	$2,994,500	$2,560,000	$3,891,400	75	0	0	5	0	0	0	0.17	80.17
417	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
417	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
419	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
875	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
875	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
878	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
879	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
881	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
882	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
884	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
885	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
885	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
887	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
887	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
887	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
890	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
890	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
890	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
893	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

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894	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	0	0	0	15	0.21	75.21
895	West Deptford Township	0820001-004	Jessup Road Water Storage Tank Repair and Repainting	21,248	$2,622,530	$345,920	$3,222,036	60	0	0	0	0	0	15	0.21	75.21
896	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
897	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
898	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
899	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
900	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
901	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
902	Clinton Town	1005001-006	Lebanon Borough Water Main Replacements - Phase 2-5	12,500	$2,684,475	$989,032	$3,673,507	75	0	0	0	0	0	0	0.12	75.12
902	Clinton Town	1005001-012	WQAA Implementation - Water Infrastructure Audit and Upgrades	12,500	$2,500,000	-	$3,220,000	75	0	0	0	0	0	0	0.12	75.12
904	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
905	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
906	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
907	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
908	Long Beach Township	1517001-015	Water Main Replacement Project	9,962	$2,310,000	$869,200	$3,179,200	75	0	0	0	0	0	0	0.1	75.1
909	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
910	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
911	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
911	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
911	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
914	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
916	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
918	Passaic Valley Water Commission	0239001-002	Lead Service Line Replacement in North Arlington System	15,741	$8,500,000	$3,800,000	$10,200,000	75	0	0	0	0	0	0	0.04	75.04
921	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
922	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
923	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
924	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
924	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
927	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
928	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
930	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
931	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	0.01	75.01
932	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
933	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
934	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

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935	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
936	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
937	Aberdeen Township	1330004-001	Woodfield Area Water System Rehabilitation	286	$2,200,000	$834,000	$3,034,000	75	0	0	0	0	0	0	0	75
938	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
938	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
940	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
941	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
942	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
943	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
944	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
945	Woodland Heights Homeowners Association	1615022-001	Well Rehabilitation/System Improvements	80	-	$125,000	$125,000	75	0	0	0	0	0	0	0	75
946	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
947	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
948	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
949	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
950	Point Pleasant Beach Borough	1525001-001	Water Meter Replacement Project	6,204	$1,200,000	$730,000	$1,930,000	25	0	0	0	0	15	30	0.06	70.06
951	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
952	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
953	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
953	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
953	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
956	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
957	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
958	South Orange Village	0719001-005	Crest Drive Standpipe	16,198	$2,000,000	$770,000	$2,770,000	60	0	0	5	0	0	0	0.17	65.17
958	South Orange Village	0719001-006	Repair or Replace Newstead Shere	16,298	$1,000,000	$450,000	$1,450,000	60	0	0	5	0	0	0	0.17	65.17
960	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
960	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
962	Freehold Borough	1315001-003	Replacement of Well No. 3	12,052	$1,427,000	$1,000,000	$2,152,400	15	0	15	0	5	0	30	0.12	65.12
963	Manchester Utilities Authority	1603001-003	High Service Pump Station Replacement	12,028	$1,290,000	-	$2,000,000	50	0	15	0	0	0	0	0.12	65.12
964	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
965	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

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965	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
968	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
969	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
971	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
972	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
975	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
975	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
977	Marlboro Township	1328002-003	Beacon Hill storge tank Rehab	29,481	$1,200,000	$514,000	$1,714,000	60	0	0	0	0	0	0	0.29	60.29
978	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
979	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
980	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
981	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
982	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
983	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
983	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
985	Oakland Borough	0220001-004	Iroquois Pumping Station - Rehabilitation	12,959	$75,000	$33,750	$108,750	60	0	0	0	0	0	0	0.13	60.13
987	Clinton Town	1005001-013	Foster Wheeler Booster Pump Station Modifications - Asset Management Planning	214	$2,190,000	$588,000	$2,778,000	60	0	0	0	0	0	0	0.12	60.12
988	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
988	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
990	Brigantine City	0103001-501	Installation of Generators at well	11,117	$677,100	$2,139,882	$2,816,982	45	0	0	0	0	0	15	0.11	60.11
991	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
992	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
993	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
994	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
995	Ho-Ho-Kus Borough	0228001-001	Water Tank Upgrade	4,078	$640,000	-	$928,000	60	0	0	0	0	0	0	0.04	60.04
996	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
997	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
998	Borough of Wenonah	0819001-001	Water System Asset Management Plan and System Improvements - Water Tank Rehabilitation	2,278	$1,500,000	-	$1,880,000	60	0	0	0	0	0	0	0.02	60.02
999	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
1000	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
1001	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
1002	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
1003	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
1004	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

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1005	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
1006	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
1008	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
1009	Bloomfield Township	0702001-002	Water Meter Replacement	47,982	$6,000,000	$416,832	$7,230,970	35	0	0	5	0	15	0	0.48	55.48
1010	Winslow Township	0436007-010	Well #2 Filter Plant Upgrade	39,147	$2,365,000	$762,000	$3,036,000	40	0	0	0	0	0	15	0.39	55.39
1011	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
1014	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
1015	Allentown Borough	1302001-003	Water Meter Replacement	1,828	$454,850	$209,670	$664,520	25	0	15	0	0	15	0	0.02	55.02
1016	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
1018	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
1019	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
1020	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
1022	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
1023	South Orange Village	0719001-002	Well 17 Emergency Power	16,198	$50,000	$22,500	$72,500	45	0	0	5	0	0	0	0.17	50.17
1024	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
1025	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
1026	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
1027	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	0.05	50.05
1028	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
1029	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
1030	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
1031	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
1032	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
1033	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
1035	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
1036	Vineland City	0614003-016	Well 17 Treatment Facility	36,848	$5,900,000	$2,018,000	$7,918,000	15	0	15	0	0	0	15	0.36	45.36
1037	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
1038	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
1039	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
1040	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
1041	Oakland Borough	0220001-003	Well 9 - Diesel Generator	12,959	$100,000	$45,000	$145,000	45	0	0	0	0	0	0	0.13	45.13
1043	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
1044	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

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1045	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
1045	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
1047	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	0	30	0.1	45.1
1049	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
1049	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
1051	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
1051	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
1053	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
1053	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
1055	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
1055	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
1057	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
1057	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
1059	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
1059	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
1061	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
1061	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
1063	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
1063	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
1065	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
1066	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
1067	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
1068	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
1069	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	15	0.14	40.14
1070	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
1071	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
1072	Hopatcong Borough	1912001-005	Hopatcong Borough Water Meter Replacement Project	7,000	$640,000	$1,510,000	$778,000	25	0	15	0	0	0	0	0.07	40.07
1073	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
1074	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

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1075	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
1076	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
1077	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	15	1.34	37.34
1078	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
1079	Passaic Valley Water Commission	0231001-001	Subsurface Exploratory Investigation for Determination of Lead Service Lines in the Lodi System	24,551	$1,171,380	$81,000	$1,405,656	1	0	0	0	5	0	30	0.24	36.24
1080	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
1080	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
1082	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
1083	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
1084	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
1085	South Orange Village	0719001-004	Farrell Field (Walton Ave & Audley St.) Interconnection Rehab.	16,198	$83,000	$37,350	$120,350	30	0	0	5	0	0	0	0.17	35.17
1085	South Orange Village	0719001-007	Replace Pressure Reducing Valves	16,198	$160,000	$72,000	$232,000	30	0	0	5	0	0	0	0.17	35.17
1087	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
1088	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
1089	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
1090	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
1091	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
1092	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
1092	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
1094	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
1095	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
1096	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
1097	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
1097	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
1099	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
1100	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
1101	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

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1102	South River Borough	1223001-003	Rehabilitation of Borough Wells	16,023	$875,000	$4,000,000	$1,225,000	15	0	0	0	0	0	15	0.14	30.14
1103	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
1104	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
1104	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
1106	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
1108	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
1109	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	15	0.03	30.03
1110	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
1111	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
1112	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
1112	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
1114	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
1115	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
1116	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
1117	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
1118	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
1119	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
1120	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
1121	North Brunswick Township	1215001-006	Water Meter Replacement	42,392	$4,500,000	-	$5,427,000	25	0	0	0	0	0	0	0.42	25.42
1122	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
1123	Oakland Borough	0220001-002	Replace 4600 Water Meters	12,959	$1,800,000	$706,000	$2,506,000	25	0	0	0	0	0	0	0.13	25.13
1124	Clinton Town	1005001-007	Replace Water Meters	12,500	$699,465	$314,759	$1,014,224	25	0	0	0	0	0	0	0.12	25.12
1125	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
1126	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
1127	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
1128	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
1128	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
1130	South Orange Village	0719001-001	Well 17 Rehabilitation	16,198	$150,000	$67,500	$217,500	15	0	0	5	0	0	0	0.17	20.17
1131	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
1132	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
1133	Belleville Township	0701001-007	Township of Belleville Asset Management Plan	36,383	-	$200,000	$200,000	1	0	0	0	0	0	15	0.35	16.35
1134	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
1135	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
1136	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
1137	Mount Arlington Borough	1426005-002	Windemere, Altenbrand, North Glen and Park Water Main Extension	98	$878,000	$512,000	$1,202,100	1	0	15	0	0	0	0	0.02	16.02

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1139	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	0.29	15.29
1140	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
1140	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
1142	Oakland Borough	0220001-001	Construct new Well 10A as backup for Well 10	12,959	$100,000	$45,000	$145,000	15	0	0	0	0	0	0	0.13	15.13
1145	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
1146	Harvey Cedars Borough	1509001-002	Installation of a Water Monitoring Well	3,165	$719,000	$323,550	$1,042,550	15	0	0	0	0	0	0	0.03	15.03
1147	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
1148	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
1149	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
1150	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
1151	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
1152	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
1153	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
1154	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
1155	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
1156	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
1158	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	0	0	0	0	3.35	4.35
1159	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
1161	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
1163	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
1164	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
1165	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
1166	Passaic Valley Water Commission	0239001-001	Subsurface Exploratory Investigation for Determination of Lead Service Lines in the North Arlington System	15,741	$1,647,450	-	$1,976,940	1	0	0	0	0	0	0	0.15	1.15
1167	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	0.13	1.13
1168	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
1170	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
1172	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
1173	Pennington Borough	1108001-004	Asset Management Plan for Pennington Water Utility '	2,585	$300,000	-	$360,000	1	0	0	0	0	0	0	0.03	1.03
1174	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	0.03	1.03
1175	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
1176	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