

NEW JERSEY'S WATER BANK FINANCING PROGRAM

FINAL

*Drinking Water State Revolving Fund Intended Use Plan
for Federal Fiscal Year 2021 (and State Fiscal Year 2022)*

and

AMENDED

*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 in the 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) 2021/State Fiscal Year (SFY) 2022 (FFY2021 IUP) and FFY 2020/SFY 2021 DWSRF IUP (FFY2020 IUP) provide 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 FFY2021/SFY2021 CWSRF IUP has been finalized in a separate document that is available on the website at www.nj.gov/dep/dwq/cwpl.htm.

The NJ Water Bank has funded a record number of projects over the last few years. The current demand for drinking water funds continues to be high and exceeds the current amount of available funds even with the increased availability of drinking water funds through the increased availability of CWSRF transferred to DWSRF and increased State appropriations. The FFY2021 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 FFY2021, 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. For FFY2021, the DEP is maintaining base loans rates outlined in the FFY2020 IUP, which included a funding cap of \$25 million per applicant per year for both publicly and privately-owned systems to ensure that limited funds are distributed among multiple high priority projects.

The DEP plans to utilize any allocated principal forgiveness funds carried over at the end of FFY2020 as principal forgiveness in FFY2021 for categories set forth in this IUP. Principal forgiveness funds for Small System Asset Management Plans are expected to be exhausted in FFY2020 and will not be available in FFY2021. If any principal forgiveness funds remain for Small System Asset Management Plans for carryover in FFY2021 they will be added to allocated principal forgiveness for Nano projects.

In FFY2020, the Water Transfer Funding Act "WIFTA" (S. 1689) allowed for a one-time transfer of approximately \$113M of additional CWSRF funds to the DWSRF to provide principal forgiveness for high-priority projects designed to address lead exposure in drinking water. It did not allocate any new money to the SRF loan program but the transfer from CWSRF to DWSRF provides helpful short-term flexibility. The

FFY2021 IUP will utilize principal forgiveness resulting from WIFTA that was carried over from FFY2020 for lead remediation projects in communities with a median household income (MHI) less than the MHI for the State. For water systems with a population greater than 1,000, the Water Bank will offer up to 50% of total allowable project costs up to \$1M, \$5M, or \$10M per applicant/year in principal forgiveness (\$2M, \$5M, or \$20M in total project costs) based on the number of known lead service lines (<1,000, 1,000 to 5,000; or >5000). Up to \$10M of projects costs that are not eligible for principal forgiveness may be financed at the affordability rate (blended interest rate of 25% of the I-Bank’s Market Rate) for applicants that meet affordability criteria outlined below. Any additional project costs in excess of \$10M and costs for applicants that do not meet the affordability criteria may be funded by the I-Bank at Market Rate as capacity allows.

DEP is amending the FFY2020 IUP and carrying forward those changes in FFY2021 to help small water systems with populations of 1,000 or less. Many of these small systems face challenges in their ability to achieve and maintain compliance with federal and State rules. These challenges include the lack of expertise to operate and maintain systems, lack of financial resources, and aging infrastructure. Accordingly, DEP is offering 100% principal forgiveness loans up to \$1M in total project costs for lead remediation projects (including corrosion control or lead service line replacement) to systems in communities with a MHI less than the MHI for the State through principal forgiveness funds transferred as a result of WIFTA. Further, the DEP is modifying loan packages for small systems with a population of 1,000 or less that receive assistance through the DEP’s Engineering Contract. Those systems will be offered 100% principal forgiveness loans capped at \$750,000 to address these compliance issues.

The DEP is actively pursuing additional funding sources to address the increasing drinking water infrastructure financial needs. On October 22, 2020, the DEP published proposed amendments to the Final Federal Fiscal Year (“FFY”) 2017, 2018, 2019, 2020/SFY 2018, 2019, 2020, 2021 CWSRF & DWSRF IUPs as a result of the Water Infrastructure Finance and Innovation Act of 2014 (WIFIA). The Water Bank anticipates using WIFIA funds for a portion of the I-Bank share of long-term loans. The funds are expected to be available to the I-Bank at a lower interest rate than market rate bonds, thereby freeing up a portion of the DEP share normally allocated to projects. Further, the SFY2021 State budget included a \$60 million appropriation for the Clean Water and Drinking Water programs, of which \$10M is allocated for Clean Water match. The remaining \$50M will be used to fund additional drinking water projects, split to allocate \$25M to DEP and \$25M to I-Bank that can be leveraged to fund approximately \$113M in projects.

The final DWSRF FFY2021 IUP and final amendments to the FFY2020 IUP are 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 FFY2021!

The DWSRF program for FFY2021 includes the following:

- As a result of the manner in which funds from Water Infrastructure Finance and Innovation Act of 2014 (WIFIA) will be used, long term funding packages are no longer represented in terms of a “DEP Interest Free Share” and an “I-Bank Market Rate Share” but instead as a blended interest rate consisting of a percentage of I-Bank’s AAA Market Interest Rate. For example, a long-term funding package that previously was described as consisting of a 75% DEP Interest-Free Share and a 25% I-Bank Market-Rate Share is now described as a “Blended Interest Rate of 25% of I-Bank’s AAA Market Interest Rate”.
- Base Program Financing capped at \$25 million (per applicant/per year)
 - Blended Interest Rate of 50% of I-Bank’s AAA Market Interest Rate for publicly owned water systems;
 - Blended Interest Rate of 75% of I-Bank’s AAA Market Interest Rate 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. By factoring in a “readiness-to-proceed” criteria, available funds will not be unutilized waiting on a project that is highly ranked but not ready for funds. This ensures that available funds will be utilized on the high priority public health projects 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 that will be allocated as follows:

LEAD SERVICE LINE REPLACEMENT Funding of lead service line projects will be in ranked order. The Water Bank will offer up to 50% total project costs in principal forgiveness capped at \$1M, \$5M, \$10M per applicant/year (\$2M, \$10M, or \$20M in total project costs) based on the number of known lead service lines (<1,000; 1,000 to 5,000; or >5000) to replace lead lines in communities serving customers whose median household incomes are less than the State median household income. All other systems will receive the base rate, affordability rate, or Nano financing.	SMALL SYSTEM LEAD REMEDIATION Small systems serving $\leq 1,000$ will a loan of 100% principal forgiveness in communities serving customers whose MHI is less than the State MHI. Principal forgiveness will be capped at \$1M per water system/ per year.
	SMALL SYSTEM ENGINEERING CONTRACT Small systems serving $\leq 1,000$ will receive a loan consisting of 100% principal forgiveness for those offered assistance under the DEP’s Engineering Contract. Principal forgiveness will be capped at \$750,000 per water system/ per year.
	NANO Principal forgiveness loan for 50% of project costs for small drinking water systems serving $\leq 10,000$ residents, remaining costs receive loan financing with a Blended Interest Rate of 50% of I-Bank’s AAA Market Interest Rate. Capped at \$1M per water system/per year.

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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.

Drinking Water Project Eligibility

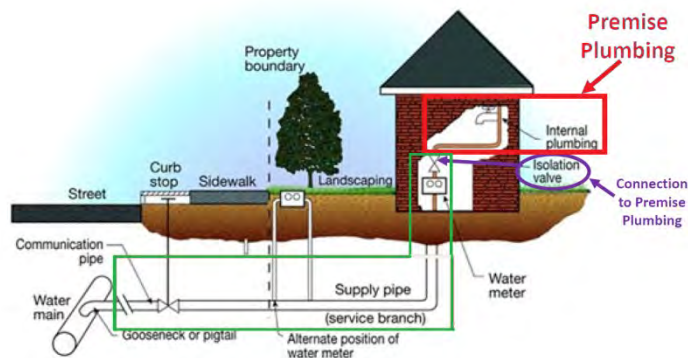
The main objective of drinking water funding is to protect the public health in conformance with the objectives of the Safe Drinking Water Act. Types of eligible projects include:

- 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.



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

- Treatment of unregulated contaminants (contaminants that are currently not regulated under the SDWA rules, including contaminants of emerging concern for which there is no drinking water standard)
- Rehabilitate or develop sources to replace contaminated sources
- Treatment facilities
- Storage facilities
- Transmission and distribution pipes, including lead service line location and replacement, regardless of whether the system has ownership of the pipe
- Projects that address the exceedance of a recommended upper limit for secondary contaminants.
- Purchase or consolidation (i.e., restructure) of a water system that is unable to maintain compliance for technical, financial, or managerial reasons
- Emergency Repair Projects to replace 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. Replacement must be in kind or parallel such that there is no potential environmental impact to the surrounding project area.
- 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



Drinking water service line eligible up to the isolation valve

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. (Long-Term Loan terms are established based on the IUP operative at the time of certification of the construction contract.)

FFY2020 FUNDING PACKAGES (LONG-TERM LOANS)

Water Infrastructure Finance and Innovation Act of 2014 (“WIFIA”) Program Funds

Background

As demand has increased, the Water Bank has taken measures to source additional funding sources, such as: supplemental sources of revenue from private lines of credit; transferring the maximum amount of CWSRF funds permissible under federal law to replenish depleted DWSRF funds; and leveraging anticipated additional state appropriations. These additional sources of funds have expanded the capacity of the Water Bank to meet more project needs while continuing to offer

competitive long-term loan rates. To further the Water Bank's goal of increasing available funds, expanding the number of funded projects, and ensuring the long-term viability of the program, the I-Bank submitted a letter of interest ("LOI") in July 2019 to the USEPA and was selected to apply for loan funds from the USEPA's Water Infrastructure Finance and Innovation Act of 2014 ("WIFIA") Program, a federal credit program that provides low-cost, long-term federal loans for eligible drinking water and wastewater infrastructure projects.

The DEP has amended the Final Federal Fiscal Year ("FFY") 2017, 2018, 2019, 2020/SFY 2018, 2019, 2020, 2021 CWSRF & DWSRF IUPs that changes all instances in which the applicable IUP refers to a certain share of interest-free funding from the DEP (e.g. 25 %, 50%, 75%) combined with a certain share of market-rate interest funding from the I-Bank (e.g. 25%, 50%, 75%). The amendments allow the DEP and I-Bank to deviate from a strict adherence to the established funding shares where WIFIA funding will be used for eligible projects. For these projects, the combined long-term financing from the DEP and the I-Bank, inclusive of WIFIA funds, would be at an effective interest rate no greater than would have resulted from financing with the I-Bank's AAA bond funds at market interest rates and the DEP's interest-free loan funds at the applicable IUP referenced shares (25%, 50%, or 75%).

This concept is continued in the FFY 2021/SFY 2022 DWSRF IUP. Instead of referencing a certain share of interest-free funding from the DEP combined with a certain share of market-rate funding from the I-Bank, this IUP uses the term "% of I-Bank's AAA Market Interest Rate". For example, "50% of I-Bank's AAA Market Interest Rate" means an effective interest rate no greater than would have resulted from financing with a 50% share of I-Bank's AAA bond funds at market interest rates and a 50% share of the DEP interest-free loan funds.

As part of the LOI submission, the I-Bank included a pool of Water Bank projects eligible for long-term financing starting in State Fiscal Year ("SFY") 2021. Borrowers were selected in conformance with the eligibility requirements of the WIFIA program and Water Bank regulations. It is expected that WIFIA loan funds will be applied to projects with Water Bank long-term financing terms established by the applicable Final Federal Fiscal Year ("FFY") 2017, 2018, 2019, 2020/SFY 2018, 2019, 2020, 2021 CWSRF & DWSRF IUPs. The DEP and I-Bank may also include projects eligible for funding under the FFY 2021/SFY 2022 DWSRF IUP in the initial or future pools of WIFIA Water Bank projects.

Purpose of Using WIFIA

The I-Bank intends to use WIFIA loan funds in lieu of a portion of the funds the I-Bank would otherwise secure through the issuance of tax-exempt bonds. Use of WIFIA loan funds offers several potential advantages over tax-exempt bonds, including lower interest rates, call options, and structuring flexibility.

The result of blending WIFIA loan funds into a loan package is that less of the DEP's SRF funds would be needed to achieve the same interest rate as if WIFIA loan funds were not used. The Water Bank intends to use these saved SRF monies to fund additional projects that would otherwise be outside the fundable range of the Water Bank. To learn more about the potential savings offered by using WIFIA loan funds, a detailed case study developed by I-Bank and entitled "NJ Water Bank – Base Case v. WIFIA Case for IUP Amendments" is posted on the DEP's website at <http://www.nj.gov/dep/dwq/cwpl.htm>.

The use of WIFIA loan funds will not affect when long-term financing terms are established. As previously established under prior IUPs, and continued in this IUP, for construction loans issued

upon certification of engineering contracts, long-term financing terms are established consistent with the IUP operative at the time of certification of the construction contract. For construction loans issued at the time of certification of construction contracts, long-term financing terms are established consistent with the IUP operative at the time of construction loan closing. For applicants financing the cost of construction through non-Water Bank sources or self-funding, long-term financing terms are established consistent with the IUP operative at the time of the long-term loan closing.

If WIFIA loan funds are ultimately awarded by the USEPA to the I-Bank, the Water Bank will identify potential pools of certified SRF projects to be financed with some combination of DEP SRF funds, I-Bank bond proceeds, and WIFIA loan funds. This will result in the use of a larger portion of I-Bank funds established in these IUPs, along with the WIFIA loan funds, and a lesser share of the SRF interest-free funds from the DEP established in these IUPs. However, this will still achieve a blended interest rate for borrowers that is no greater than if WIFIA funds were not used by the I-Bank as a supplement to a portion of its bond proceeds.

Recently Appropriated State Funds

In addition to the WIFIA funds the I-Bank may also leverage a portion of funds recently appropriated to the DEP to create additional SRF savings for the DEP by blending the newly appropriated funds into loan packages for I-Bank's portion of project financing. All borrowers receiving these appropriated funds in their loan packages would still receive a long-term loan package with a blended interest rate no greater than if the I-Bank used its AAA market rate bonds for its portion of project financing as described in the applicable IUP.

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.

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 \$113 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 capitalized on the flexibility provided by the Water Infrastructure Funding Transfer Act and transferred approximately \$113 million to the DWSRF to provide principal forgiveness (PF) to eligible recipients for projects in communities with an Median Household Income (MHI) less than the State MHI that reduce exposure to lead in drinking water. In addition, \$3M in lead PF was carried over from FFY2019. Approximately, \$106M was set aside to be used to fund lead service line replacement projects in priority ranked order, while the remaining \$10M is set aside to fund the installation of corrosion control treatment and lead service line replacement in priority ranked order at water systems serving a population $\leq 1,000$. Any of the \$116M that is not committed to eligible projects in FFY2021 will be rolled over and made available for projects to reduce lead exposure as described in more detail below.

Approximately \$100M in PF for LSL Replacement

In FFY2021, the DEP will roll over any of the remaining \$106M that was not committed to other eligible projects in FFY2020 to continue to fund lead service line replacement projects in priority ranked order. Publicly owned and privately(investor)-owned water systems are eligible for principal forgiveness if the project is located in a community with a median household income (MHI) less than the median household income for the State. The MHI is calculated using 2017 Census data, in accordance with data obtained from <https://www.census.gov/quickfacts/NJ>. Priority will be given to water systems that have exceeded the lead action level. Water systems that do not exceed the lead action level but want to replace lead pipes are eligible for principal forgiveness in ranked order. Loans will be offered as up to 50% of total project costs in principal forgiveness (based on the caps noted below). Up to \$10M of projects costs that are not eligible for principal forgiveness may be financed at the affordability rate (blended interest rate of 25% of the I-Bank’s Market Rate) for applicants that meet affordability criteria. The remainder of the project balance is eligible for financing by the I-Bank, as capacity allows.

Project applicants are capped at \$2, 10, or 20 million (\$1, 5 or 10 million in principal forgiveness) per water system (PWSID)/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:

- o \$20M (\$10M principal forgiveness) for systems with > 5,000 known lead service lines;

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

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

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

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

A \$25M project submitted by a publicly owned system with $>5,000$ lead service lines that meets affordability criteria is capped at \$10M in principal forgiveness. This system would be eligible to receive \$10M financed at the affordability rate. The remaining \$5M in project costs would be eligible for funding by the I-Bank at the AAA Market Rate.

\$10M in PF for Small System Lead Remediation

The DEP has set-aside \$10M of the approximately \$116M to fund the installation of corrosion control treatment or lead service line replacement at water systems with a population $\leq 1,000$ in priority ranked order. Any of the \$10M that has not been committed to eligible projects in FFY2020 will be rolled over for these systems in FFY2021. This includes small community water systems, such as mobile home parks, as well as eligible noncommunity water systems that may include schools and religious institutions. The challenges facing these systems differ from their larger counterparts. In many cases, these systems contain no lead service lines and must rely on the installation of corrosion control treatment to reduce lead in their drinking water from internal (premise) plumbing. Loans will be offered as 100% principal forgiveness capped at \$1 million per water system (PWSID)/per year. If any of the \$10M is remaining as of April 1, 2022 it will be made available as PF under the terms of the LSL replacement category as needed.

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 FFY2021, 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 consist of principal forgiveness financing for 50% of project costs and a loan with a Blended Interest Rate of 50% of I-Bank's AAA Market Interest Rate for 50% of project costs. Projects are capped at \$1 million. Additional financing is available at the applicable base rates for amounts greater than the \$1 million cap. These projects are selected based on priority ranked order. In addition, the DEP intends to prioritize projects that have secured federal/non-profit grants to be leveraged with SRF funding.

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 \$750,000 per project. The DEP will not charge permit fees to these small systems.

Engineering Contract

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

In FFY2020, the \$2M in principal forgiveness was made available to small systems serving $\leq 1,000$ that are funded through participation in the engineering contract. Loans were offered at 90% principal forgiveness and 10% funding from the I-Bank at Market Rate. However, due to their size and the many challenges encountered by these small systems, even a 10% share of the total project costs is more than many can afford. Further, the project cap of \$500,000 set in FFY2020 is often not enough to cover the needed repairs to return these systems to compliance. Therefore, DEP is modifying the FFY2020 DWSRF IUP and set forth a new financing package that will also be available in FFY2021. Loans will be offered as 100% principal forgiveness, capped at \$750,000 per water system (PWSID)/per year. Systems serving above $>1,000$ that are provided with assistance through the engineering contract will be funded in priority ranked order and eligible for Nano funds based on availability.

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 Base DWSRF funding package for FFY2021 consists of loan funding with a blended interest rate of 50% of the I-Bank AAA Market Interest Rate for publicly owned water systems and loan funding with a blended interest rate of 75% of the I-Bank's AA Market Interest Rate for privately-owned water systems.

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 with a Blended Interest Rate of 25% of I-Bank's AAA Market Interest Rate capped at \$10 million.

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 FFY2021 for publicly-owned and 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) 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 \$20M (\$1M/\$5M/\$10M principal forgiveness) with the remainder financed as described above.

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 FFY2021/SFY2022 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. The Department

establishes the fundable range by deducting and reserving estimated costs for projects listed in rank order on the current fiscal year Water Bank Project Priority List as amended until the available unobligated drinking water funds are exhausted. Note that the actual number of projects in the fundable range could expand or contract as loan construction bids are received, and total low bid allowable project costs are evaluated.

- The DEP will contact all projects within the fundable range as of January 1, 2022 asking to confirm readiness to proceed in FFY2021 or request to be bypassed to the next FFY. This will allow the DEP to extend the fundable range by allocating funds from bypassed projects to the next ranked project. Projects in the fundable range that do not receive Authorization to Award by April 1, 2022 will be bypassed for the FFY2021 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.

Establishment of Long-Term Loan Financing Terms

At the time a project is at or near construction completion, long-term financing will be issued. For construction loans issued upon certification of engineering contracts, long-term financing terms are established consistent with the IUP operative at the time of certification of the construction contract. For construction loans issued at the time of certification of construction contracts, long-term financing terms are established consistent with the IUP operative at the time of construction loan closing. For applicants financing the cost of construction through non-Water Bank sources or self-funding, long-term financing terms are established consistent with the IUP operative at the time of the long-term loan closing.

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

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

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

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

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

SUMMARY OF FFY2021 FUNDING PACKAGES (LONG-TERM LOANS)

Table 1: Long-Term 30 Year Funding Packages Breakdown – Drinking Water

Drinking Water	Blended Interest Rate I-Bank Market Rate for Non- Principal Forgiveness Share of Loan¹	Principal Forgiveness Share	Funding Cap
Base DWSRF – Public	50%	0%	\$25 million ² (remainder at I-Bank market rate as capacity allows)
Base DWSRF – Investor-owned	75%	0%	\$25 million ² (\$10 million per project) (remainder at I-Bank market rate as capacity allows)
Nano ≤ 10,000 customers	50%	50%	\$1 million (remainder at base)
Affordability (publicly-owned water systems only) ³	25%	0%	\$10 million (Remainder at base)
Small Systems (≤1,000): Engineering Contract ⁴	N/A	100%	\$750,000 (Remainder at base)
Small Systems (≤500): Community Engineering Corp	N/A	100%	\$750,000 (Remainder at base)

Example: A \$50M project submitted by a publicly owned water system, is eligible for \$25M funding at a Blended Interest Rate of 50% of I-Bank’s AAA Market Interest Rate. The remaining \$25M is eligible for funding by the I-Bank at AAA Market Rate as capacity allows.

¹ 25% of I-Bank’s AAA Market Interest Rate means an effective interest rate no greater than would have resulted from financing with a 25% share of I-Bank’s AAA bond funds at market interest rates and a 75% share of the Department interest-free loan funds.

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	Principal Forgiveness	Total Project Costs⁵
Lead Line Replacement ⁶	50% of project costs up to:	
>5,000 known lead service lines	\$10M	\$20M
≥ 1,000 and ≤ 5,000 known lead service lines	\$5M	\$10M
< 1,000 known lead service lines	\$1M	\$2M
Lead Remediation ⁷	100% project costs up to \$1M	\$1M

Examples: A \$30M project submitted by a water system with >5,000 lead service lines, is capped at \$10M in principal forgiveness and \$10M by the I-Bank at the AAA Market Rate. The remaining \$10M is eligible for funding by the I-Bank at AAA Market Rate as capacity allows.

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

⁵ For water systems that meet the affordability criteria, up to \$10M of projects costs that are not eligible for principal forgiveness may be financed at the affordability rate (blended interest rate of 25% of the I-Bank’s Market Rate). 50% of project costs for applicants that do not meet the affordability criteria will be funded by the I-Bank at Market Rate. Any additional project costs may be funded by the I-Bank at Market Rate as capacity allows.

⁶ 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.

⁷ 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). For security reasons, the project sponsor's authorized official will need to call the Water Bank at 609-219-8601 to create an H2LOans account. 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 \(https://www.youtube.com/watch?v=UgDDV_SyqL0\)](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 I-Bank's loan is issued at the same market interest rate as the I-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 I-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 I-Bank has evaluated its existing fee structure and is returning to an annual administrative fee of 0.15% of the total original project loan amount to cover the balance of the closing cost and the annual operating expenses associated with the operations of the I-Bank and the on-going costs associated with the loan servicer and Trustees. The I-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. Changes to the Water Bank 's fee annual structure is subject to all applicable approvals and publication in the SFY2022 Financial Plan in May of 2021.

Sources and Use of Funds

The Table below represents estimated amounts available from prior program years and anticipated uses for the FFY2021/SFY2022 Drinking Water Environmental Infrastructure Financing Program:

UPDATED ESTIMATES FOR DRINKING WATER PROGRAM ONLY:

FFY2021/SFY2022 Financing Program*

Anticipated Sources:

Funds Available from prior years (Carryover WIFTA)	\$30 M
Repayments from prior years' loans	\$ 38 M
FFY2020 DW SRF Grant	\$ 16 M
<u>CW to DW Transfer (yearly allotment)</u>	<u>\$ 6 M</u>
Subtotal	\$ 90 M
Anticipated I-Bank Share (est. 50%)	\$ 90 M

Total Program Sources: \$ 180 M

Anticipated Additional FFY2021/SFY2022 Sources:

Carryover SFY2021 I-Bank Appropriation Share**	\$55 M
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Total ALL Program Sources for FFY2021/SFY2022: \$ 235 M

* Current DWSRF obligations and project applications exceed this amount.

** In SFY2021, \$50M was allocated from the State budget to fund drinking water projects. The leveraged \$25M I-Bank appropriation share is approximately \$110M. The NJDEP estimates that about 50% will be carried over into SFY2022. Therefore, the total of all program sources for SFY2022 is likely to be \$235M.

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 SFY2022 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 FFY2020/SFY2021 non-project set-asides which was submitted to USEPA on June 29, 2020 and distributed to community and nonprofit noncommunity water systems and other stakeholders. This final workplan is a requirement for the FFY2020 Capitalization Grant. The DEP was awarded the Capitalization Grant in May 2020.

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

<u><i>Funds Available</i></u>	<u><i>FFY 2020</i></u>
Federal Capitalization Grant	\$ 18,792,000.00
State Match	
20%	\$ 3,758,000.00
Projected Expenditures	
Administration (net position)	\$ 1,017,182.00
Non-project Set-asides	\$ 1,767,200.00
Small System Tech Assistance (2%)	\$ 375,840.00

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 $\leq 1,000$ that have an MHI less than the MHI for the State;
8. Projects that have secured federal/non-profit grants to be leveraged with SRF funding,
9. Other projects currently on the comprehensive list.

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.

Category A. Compliance with the SDWA and Protection of Public Health

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 Program⁸

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 <i>E. coli</i> 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 <i>E. coli</i> 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 <i>E. coli</i> 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). ⁹	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

⁸ 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.

⁹ 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 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

availability of alternative source of supply, or to ensure compliance with the SDWA.

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|-----|--|-----------|
| 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 FFY2021 DWSRF IUP

The DEP proposed amendments to the Drinking Water State Revolving Fund (DWSRF) IUP for FFY2021 (SFY2022) on December 15, 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. A public hearing was held virtually on January 7, 2021. The DEP received one comment on the amendments to the FFY2021 IUP that was submitted by close of business on January 14, 2021. A representative for the commenter also presented these comments during the public hearing.

The following persons submitted comments on the Proposed Amendments to the FFY2021 IUP dated December 15, 2020:

1. Ras J. Baraka, Mayor, City of Newark

The below summarizes the major public comments received on the amendments to the proposed FFY2021 IUP dated December 15, 2020.

COMMENT

The City of Newark (Newark) commented that \$10M annual cap for principal forgiveness for lead service line projects unfairly limits the total principal forgiveness available to Newark for the remaining phases of their lead service line replacement project. Newark asks that the DEP maintain the current cap of \$20M for systems with over 5,000 lead service lines. Newark commented that requiring Newark to fund the excess over the principal forgiveness caps at the I-Bank at Market Rate denies the City any 0% NJDEP financing for this important public health project.

RESPONSE

Funding for LSL replacement is a priority both nationwide and for the DEP. The estimated need to replace lead service lines is approximately \$2.1 to \$3.2B Statewide, far surpassing the available funds. The principal forgiveness caps in the proposed IUP were designed to ensure availability of funds across multiple water systems that have large numbers of remaining lead service lines, ALEs and lower household incomes. With approximately \$30M in principal forgiveness anticipated to be carried over in FFY2021, maintaining the existing cap of \$20M in principal forgiveness is not feasible. To do so would limit the availability of principal forgiveness funds for other high priority lead service line replacement projects, including those in other disadvantaged communities. However, the DEP acknowledges the important public health impacts of Newark's lead service line replacement project and the many efforts by the City to complete this project in the coming fiscal year. To that end, the DEP has included changes in the IUP to address Newark's comments regarding the lack of any 0% DEP financing as part of the funding package. In FFY2021, the Water Bank will fund up to \$10M of project costs that are not eligible for principal forgiveness at the affordability rates in systems that meet the affordability criteria.

COMMENT

Newark stated that the \$25M per applicant per year cap limits the ability of large public water systems in communities with a median household income (MHI) less than the MHI for the State to fund necessary system improvements. Newark is asking that the cap be increased to \$100,000,000 for all large public water systems in communities with a median household income (MHI) less than 65% of the State's MHI and that this cap exclude all costs of lead service line replacement projects whether or not funded with principal forgiveness.

RESPONSE

As noted above, the current demand for drinking water funds continues to be high and exceeds the current amount of available funds even with the increased availability of drinking water funds through the increased availability of CWSRF transferred to DWSRF and increased State appropriations. With multiple

high priority public health projects, including those to address uncovered finished water reservoirs and MCL exceedances, the existing project caps are necessary to accommodate the maximum number of projects and ensure the highest priority public health projects will be able to be funded with the limited funds available. The DEP recognizes the need for additional funds to replace critical infrastructure throughout the State. The DEP will evaluate the project caps in future IUPs as it actively pursues additional funding sources to meet these needs and continues to evaluate ways to help offset the costs of meeting regulatory requirements.

APPENDIX: 3

STATE OF NEW JERSEY FINAL DWSRF PROJECT PRIORITY LIST FOR FEDERAL FISCAL YEAR 2021 (and SFY 2022)

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Estimated Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Rank 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
7	Newark City	0714001-019	Phase-1 Lead Service Line Replacement (LSLR) Project	280,139	\$6,000,000	\$1,528,353	\$7,528,353	250	50	15	0	5	0	80	2.8	402.8
9	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
10	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
11	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
11	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
13	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	Orange City	0717001-011	Orange Twp PFOA in Well 8 Drinking Water System	30,731	\$1,200,000	-	\$1,550,000	250	0	0	5	5	0	80	0.3	340.3
14	Orange City	0717001-013	Orange Twp Well 5 Rehabilitation Project	30,731	\$500,000	\$173,000	\$700,000	250	0	0	5	5	0	80	0.3	340.3
14	Orange City	0717001-015	Orange Twp PFAS in Well 7 Drinking Water System	32,000	\$1,200,000	\$200,000	\$1,440,000	250	0	0	5	5	0	80	0.3	340.3
17	Newark City	0714001-022	PROCESS AND OPERATIONAL UPGRADES AT THE PEQUANNOCK WATER TREATMENT PLANT	280,000	\$18,729,224	\$191,412	\$22,551,069	250	0	0	0	0	0	80	2.94	332.94
19	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
21	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
22	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
23	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
24	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

STATE OF NEW JERSEY FINAL DWSRF PROJECT PRIORITY LIST FOR FFY 2021 (and SFY 2022)

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Estimated Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Rank Points
25	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
26	Trenton City	1111001-005	5-year Lead Service Line Replacement & Verification Project	225,000	\$195,000,000	\$863,200	\$239,000,000	250	0	15	0	5	0	15	2.17	287.17
28	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
28	Bloomfield Township	0702001-005	Lead Service Replacement Phases	49,973	\$6,000,000	\$879,930	\$7,700,000	250	0	0	5	0	0	15	0.47	270.47
30	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
31	Merchantville Pennsauken Water Commission	0424001-002	Woodbine PFNA plant	49,000	\$4,455,000	\$1,300,000	\$5,646,000	250	0	0	0	0	0	15	0.47	265.47
32	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
33	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
33	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
35	Belleville Township	0701001-008	Belleville Lead Service Line Replacement	36,069	\$2,703,600	\$450,000	\$3,568,752	250	0	0	0	0	0	15	0.35	265.35
36	Orange City	0717001-014	Orange Twp Relocation of the existing transmission main under the Glen Avenue Bridge for the stabilization of the pipe	30,731	\$1,225,000	-	\$1,843,000	175	0	0	5	5	0	80	0.3	265.3
37	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
38	National Park Borough	0812001-005	Addition of PFOS Treatment at Existing Water Plant	2,983	\$1,100,000	\$770,000	\$1,526,500	250	0	0	0	0	0	15	0.03	265.03
40	ADTI Housing Corporation	2103002-001	Chlorination system	83	\$243,700	\$109,665	\$353,365	250	0	0	0	0	0	15	0	265
41	Buttonwood Mobile Home Park	0301001-001	Buttonwood system	77	\$240,000	\$78,000	\$318,000	250	0	0	0	0	0	15	0	265
42	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
42	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
45	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
45	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
47	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
48	Ridgewood Village	0251001-001	Water Treatment Centralization for PFAS Removal	61,220	\$62,433,333	-	\$77,551,983	250	0	0	0	0	0	0	0.62	250.62
49	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
50	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

STATE OF NEW JERSEY FINAL DWSRF PROJECT PRIORITY LIST FOR FFY 2021 (and SFY 2022)

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Estimated Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Rank Points
53	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
55	Waldwick Borough	0264001-003	Water Treatment Systems	9,625	\$2,700,000	\$855,640	\$3,510,000	250	0	0	0	0	0	0	0.1	250.1
56	Ho-Ho-Kus Borough	0228001-002	Ho-Ho-Kus Water Treatment System	4,078	\$1,500,000	\$1,700,000	\$2,110,000	250	0	0	0	0	0	0	0.04	250.04
57	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
58	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
60	Newark City	0714001-017	Water Distribution System Upgrades	285,000	\$971,100	\$866,400	\$1,837,500	75	50	20	0	0	0	80	2.94	227.94
61	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
61	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
61	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
65	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
65	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
65	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
65	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
69	Berkeley Township Municipal Utilities Authority	1505004-010	Berkeley Township MUA Phase VII Water Main Installation	10,800	\$6,125,000	\$4,000,000	\$7,962,500	125	0	20	0	0	0	80	0.11	225.11
70	High Bridge Borough	1014001-004	High Bridge Water System: Bunnvale Well Upgrades	3,648	\$1,119,600	\$112,000	\$1,477,872	175	50	0	0	0	0	0	0.03	225.03
71	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
72	Merchantville Pennsauken Water Commission	0424001-004	National Highway PFC plant	50,000	\$7,000,000	\$1,420,000	\$8,700,000	200	0	0	0	0	0	15	0.47	215.47
73	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
74	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
75	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
75	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
75	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

STATE OF NEW JERSEY FINAL DWSRF PROJECT PRIORITY LIST FOR FFY 2021 (and SFY 2022)

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Estimated Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Rank Points
75	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
79	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
80	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
81	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
81	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
81	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
81	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
81	North Jersey District Water Supply Commission	1613001-027	Expansion of Aeration System	872,153	\$1,554,000	\$1,161,888	\$2,715,888	100	50	20	0	0	0	30	8.72	208.72
81	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
81	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
81	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
91	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
92	Buena Vista Township	0660004-001	Water Main extension due to private well contamination	184	-	-	-	125	0	0	0	0	0	80	0	205
93	Passaic Valley Water Commission	1605002-018	Upgrade residual treatment process to include belt thickeners	347,052	\$5,000,000	\$2,460,000	\$7,460,000	100	0	20	0	0	0	80	3.47	203.47
94	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
95	Lakeshore Company	1413001-001	Lakeshore Water - New Well Treatment	250	\$342,250	-	\$410,700	200	0	0	0	0	0	0	0	200
96	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
98	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
99	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
100	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

STATE OF NEW JERSEY FINAL DWSRF PROJECT PRIORITY LIST FOR FFY 2021 (and SFY 2022)

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Estimated Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Rank Points
100	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
102	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
103	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
104	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
105	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	125	50	0	5	5	0	0	6.15	191.15
106	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
107	Upper Deerfield Township	0613004-002	Seabrook Water Tower Replacement (Upper Deerfield)	2,964	\$1,615,000	\$323,000	\$1,938,000	60	50	0	0	0	0	80	0.03	190.03
108	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
109	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
110	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
110	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
112	Lakewood Township Municipal Utilities Authority	1514002-001	LTMUA GAC Building (New Hampshire & Shorrock St)	22,000	\$8,350,000	\$3,405,680	\$10,281,500	100	0	0	0	0	0	80	0.22	180.22
113	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
114	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
115	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
115	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
115	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
118	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
119	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
120	Atlantic City Municipal Utilities Authority	0102001-007	Water Main Replacement Program	94,225	-	-	-	75	0	20	0	0	0	80	0.95	175.95
122	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

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123	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
124	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
125	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
126	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
127	Lower Township Municipal Utilities Authority	0505002-004	Del Haven Water Main Expansion / Wildwood Water Utility Interconnect	7,222	\$8,550,000	-	\$10,260,000	125	0	15	0	0	0	30	0.07	170.07
128	Seaside Park Borough	1527001-004	Well 10 Treatment Facility	1,700	\$495,000	\$99,000	\$594,000	40	50	0	0	0	0	80	0.02	170.02
129	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
129	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
132	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
133	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
133	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
133	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
137	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
139	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
140	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
140	Passaic Valley Water Commission	1605002-023	Decommissioning 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
142	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
143	Passaic Valley Water Commission	0231001-002	Lead Service Line Replacement in Lodi System	24,551	\$6,000,000	\$7,000,000	\$7,200,000	125	0	0	0	5	0	30	0.24	160.24
145	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

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146	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
146	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
149	Jersey City Municipal Utilities Authority	0906001-034	Boonton Water Treatment Plant Electric Substation/ Distribution System Improvements	262,000	\$15,000,000	\$1,700,000	\$18,000,000	100	0	15	5	5	0	30	2.62	157.62
150	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
151	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
154	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
155	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
156	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
158	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
159	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
159	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
161	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
162	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
162	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
165	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
167	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
168	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
168	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
170	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
171	Hawthorne Borough	1604001-002	Hawthorne Water Utility PFAs Treatment	18,775	\$3,500,000	-	\$4,750,000	100	50	0	0	0	0	0	0.19	150.19
172	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
173	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

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174	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
174	Willingboro Municipal Utilities Authority	0338001-003	Replacement of 6 & 8 inch mains in Rlittenhouse section	34,731	\$1,585,600	\$957,664	\$2,543,264	75	50	20	0	0	0	0	0.35	145.35
176	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
176	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
178	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
178	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
181	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
182	Hamburg Borough	1909001-002	Water Storage Tank Rehabilitation	3,200	\$820,000	\$298,000	\$1,000,000	60	50	20	0	0	0	15	0.03	145.03
183	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
185	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
186	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
187	Hightstown Borough	1104001-009	Water Tank Painting & Repairs	5,567	\$660,500	\$762,700	\$922,600	60	50	15	0	0	0	15	0.05	140.05
189	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
190	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
191	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
192	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
192	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
192	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
192	Jersey City Municipal Utilities Authority	0906001-032	Van Horne Street Water Improvements	265,549	\$3,500,000	\$226,400	\$4,200,000	75	0	20	5	5	0	30	2.62	137.62
192	Jersey City Municipal Utilities Authority	0906001-033	Pine Street Area Water Improvements	5,000	\$14,412,000	\$671,200	\$19,023,840	75	0	20	5	5	0	30	2.62	137.62
197	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

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199	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
200	Perth Amboy City	1216001-010	The Painting of the Backwash Tank and Stand Pipe Project	51,928	\$1,316,460	-	\$1,651,532	100	0	0	0	5	0	30	0.52	135.52
201	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
202	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
202	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
202	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
205	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
205	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
205	Jersey City Municipal Utilities Authority	0906001-030	Phase 7a Water Improvements	265,549	\$24,797,788	-	\$29,985,841	75	0	20	5	0	0	30	2.62	132.62
208	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
209	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
209	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
212	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	125	0	0	5	0	0	0	1.75	131.75
216	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
217	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
218	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
219	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
220	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
221	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
222	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
223	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

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223	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
227	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
228	Atlantic City Municipal Utilities Authority	0102001-008	Water Meter Replacement Program	94,225	-	-	-	25	0	20	0	0	0	80	0.95	125.95
229	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
230	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
231	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
232	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
233	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
234	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
234	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
236	Hackettstown Municipal Utilities Authority	2108001-001	Construction of New Water Storage Tank w/ related water distribution lines	22,500	\$3,500,000	-	\$4,445,700	60	50	15	0	0	0	0	0.22	125.22
237	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
237	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
237	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
237	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
242	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
242	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
242	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
245	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
245	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
247	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
248	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
249	Point Pleasant Beach Borough	1525001-002	Ocean Avenue Water Main Replacement	7,733	\$2,160,000	\$3,900,000	\$2,756,800	75	50	0	0	0	0	0	0.08	125.08

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250	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
251	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	125	0	0	0	0	0	0	0.04	125.04
252	High Bridge Borough	1014001-003	West Main Street Water Main Upgrades	3,648	\$350,000	\$444,073	\$462,000	75	50	0	0	0	0	0	0.03	125.03
254	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	20	5	5	0	15	2.62	122.62
254	Jersey City Municipal Utilities Authority	0906001-023	Phase 5A Water Project	262,000	\$7,750,000	-	\$9,300,000	75	0	20	5	5	0	15	2.62	122.62
254	Jersey City Municipal Utilities Authority	0906001-024	Phase 2A Water	250,000	\$9,700,000	\$1,800,000	\$11,640,000	75	0	20	5	5	0	15	2.62	122.62
257	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
258	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
259	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
260	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
260	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
260	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
263	Orange City	0717001-012	Orange Twp Interconnection and Distribution Project	30,731	\$1,200,200	\$618,000	\$1,440,240	30	0	0	5	5	0	80	0.3	120.3
265	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
266	Tuckerton Borough	1532002-007	Curlw 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
267	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
268	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
268	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
270	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
271	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
272	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
273	Hamilton Township Municipal Utilities Authority	0112001-004	HTMUA WELL #8 REHABILITATION	23,176	\$1,100,000	\$3,992,144	\$1,352,650	100	0	0	0	0	0	15	0.22	115.22

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274	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
275	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
276	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
277	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
279	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
281	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
282	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
283	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
285	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
287	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
288	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
290	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
291	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
293	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
294	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
296	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
297	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
298	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
299	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
300	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
301	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

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301	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
303	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
304	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
305	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
305	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
305	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
310	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
310	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
312	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
313	Little Egg Harbor Municipal Utilities Authority	1516001-007	Little Egg Harbor Water Improvements Phase II	24,215	\$1,685,470	\$190,000	\$2,106,664	75	0	15	0	0	0	15	0.24	105.24
314	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
315	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
316	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
317	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
318	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
319	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
320	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
322	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
323	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
323	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
323	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
323	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

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323	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
323	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
323	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
323	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
323	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
336	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
336	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
336	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
340	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
341	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
342	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
343	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
346	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
347	Brooklawn Borough	0407001-004	Removal and replacement 1,500 LF of 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
348	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
349	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
350	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
352	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
352	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
354	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
356	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
359	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

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360	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
361	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
364	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
366	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
367	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
368	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
369	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
370	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
371	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
373	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
374	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
375	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
376	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
377	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
378	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
379	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
380	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
381	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
382	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

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383	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
385	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
386	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
388	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
388	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
390	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
391	Burlington Township	0306001-004	Replacement of 1,500 LF of main on Lansbery Dr and LaVeer Rd	22,000	\$214,000	\$149,800	\$363,800	75	0	20	0	0	0	0	0.22	95.22
392	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
394	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
395	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
396	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
397	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
398	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
399	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
400	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
400	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
403	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
403	Orange City	0717001-016	Orange Twp Water System Hydraulic Model, GIS, AMP	32,000	\$780,500	-	\$936,600	1	0	0	5	5	0	80	0.3	91.3
405	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
406	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
407	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
408	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

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409	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
410	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
410	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
412	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
413	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
413	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
415	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
416	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
417	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
418	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
419	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
420	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
421	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
423	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
424	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
425	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
426	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
427	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
429	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
430	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
431	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
432	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

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433	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
434	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
436	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
437	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
438	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
439	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
440	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
440	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
442	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
442	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
444	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
444	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
444	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
447	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
448	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
449	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
450	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
450	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
452	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
908	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
908	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

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911	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
912	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
914	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
915	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
917	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
918	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
918	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
920	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
920	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
920	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
923	North Brunswick Township	1215001-002	Replacement of 4 miles of 24 inch water main from the North Brunswick Twp Treatment plant to Finnigans Lane	38,000	\$5,000,000	\$2,460,000	\$7,460,000	75	0	0	0	0	0	0	0.38	75.38
923	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
923	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
926	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
927	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
928	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
929	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
930	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
931	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
932	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
933	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
934	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

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935	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
935	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
937	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
938	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
939	North Brunswick Township	1215001-007	Water Main Replacement	41,431	\$5,100,000	\$314,329	\$6,732,000	75	0	0	0	0	0	0	0.11	75.11
940	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
941	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
942	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
943	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
944	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
945	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
945	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
945	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
948	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
950	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
954	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
955	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
956	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
957	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
957	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
960	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
961	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

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963	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
964	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
965	Roosevelt Borough	1314001-003	Improvements to Farm Lane and School Lane	808	\$582,058	\$576,000	\$773,469	75	0	0	0	0	0	0	0.01	75.01
966	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
967	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
968	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
969	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
970	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
972	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
972	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
974	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
975	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
976	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
977	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
978	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
979	Woodland Heights Homeowners Association	1615022-001	Well Rehabilitation/System Improvements	80	-	\$125,000	\$125,000	75	0	0	0	0	0	0	0	75
980	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
981	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
982	Barneget 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
983	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

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984	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
985	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
986	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
987	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
987	NJ American Water Company, Incorporated	2004002-003	Upgrade or replace existing booster station due to aging and obsolete 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
987	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
990	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
991	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
992	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
992	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
994	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
994	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
996	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
997	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
998	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
999	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
999	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
1002	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
1003	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
1005	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

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1006	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
1009	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
1009	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
1011	Marlboro Township	1328002-003	Beacon Hill storage tank Rehab	29,481	\$1,200,000	\$514,000	\$1,714,000	60	0	0	0	0	0	0	0.29	60.29
1012	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
1013	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
1014	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
1015	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
1016	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
1017	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
1017	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
1019	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
1021	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
1022	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
1022	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
1024	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
1025	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
1026	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
1027	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
1028	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
1029	Ho-Ho-Kus Borough	0228001-001	Water Tank Upgrade	4,078	\$640,000	\$2,783,457	\$928,000	60	0	0	0	0	0	0	0.04	60.04
1030	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

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1031	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
1032	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
1033	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
1034	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
1035	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
1036	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
1037	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
1038	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
1039	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
1040	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
1043	Lakewood Township Municipal Utilities Authority	1514002-013	Installation of SCADA	25,000	\$125,000	\$87,500	\$212,500	1	25	0	0	0	0	30	0.25	56.25
1044	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
1045	Winslow Township	0436007-010	Well #2 Filter Plant Upgrade	39,147	\$2,365,000	\$762,000	\$3,036,000	40	0	0	0	0	15	0.39	55.39	
1046	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
1049	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
1050	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
1051	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
1053	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
1054	NJ American Water Company, Incorporated	0119002-006	Smithville ASR Well	88,088	\$900,000	\$352,216	\$1,252,216	15	0	20	0	0	0	15	0.88	50.88
1055	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
1057	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

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1058	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
1059	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
1060	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
1061	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
1062	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
1063	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
1064	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
1065	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
1066	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
1068	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
1070	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
1071	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
1072	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
1073	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
1074	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
1075	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
1076	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
1078	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
1079	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
1080	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
1080	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

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1082	Pine Hill Municipal Utilities Authority	0428002-005	PRM Backup Well #4 and Decommission of Wells #6 & #7	10,233	\$760,000	\$1,083,915	\$912,000	15	0	0	0	0	0	30	0.1	45.1
1084	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
1084	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
1086	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
1086	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
1088	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
1088	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
1090	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
1090	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
1092	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
1092	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
1094	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
1094	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
1096	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
1096	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
1098	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
1098	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

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1100	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
1101	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
1102	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
1103	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
1104	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
1105	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
1106	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
1107	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
1108	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
1109	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
1110	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
1111	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
1112	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
1113	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
1114	Willingboro Municipal Utilities Authority	0338001-005	Energy Savings Improvement Program (DW)	35,000	\$1,571,647	\$2,280,000	\$1,885,976	1	0	20	0	0	0	15	0.35	36.35
1115	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
1115	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
1117	Netcong Borough	1428001-001	Water System Assment Management Plan	3,250	\$95,000	\$350,000	\$114,000	1	0	15	5	0	0	15	0.03	36.03
1118	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

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1119	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
1120	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
1121	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
1121	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
1123	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
1124	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
1125	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
1126	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
1127	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
1128	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
1128	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
1130	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
1131	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
1132	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
1133	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
1133	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
1135	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
1136	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
1137	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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1138	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
1139	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
1140	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
1140	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
1142	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
1144	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
1145	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
1146	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
1147	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
1148	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
1148	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
1150	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
1151	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
1152	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
1153	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
1154	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
1155	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
1156	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
1157	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
1158	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

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1159	Bordentown City	0303001-001	Water Meter Replacement Program	16,663	\$2,350,000	-	\$2,900,000	25	0	0	0	0	0	0	0.16	25.16
1160	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
1161	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
1162	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
1163	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
1164	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
1165	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
1165	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
1167	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
1168	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
1169	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
1170	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
1171	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
1172	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
1173	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
1174	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
1175	Allentown Borough	1302001-001	Asset Management Plan	1,788	\$42,500	\$713,245	\$51,000	1	0	15	0	0	0	0	0.02	16.02
1177	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
1178	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
1178	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
1180	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
1183	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

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1184	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
1185	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
1186	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
1187	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
1188	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
1189	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
1190	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
1191	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
1192	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
1193	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
1194	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
1196	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
1197	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
1199	Washington Township Municipal Utilities Authority	0818004-002	WTMUA Complex	48,559	\$5,000,000	\$1,931,500	\$6,420,000	1	0	0	0	0	0	0	0.48	1.48
1200	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
1202	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
1203	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
1204	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
1205	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

STATE OF NEW JERSEY FINAL DWSRF PROJECT PRIORITY LIST FOR FFY 2021 (and SFY 2022)

Rank	Project Sponsor	Project Number	Project Name	Population	Building Cost	Support Cost	Estimated Cost	Cat A	Cat B	Cat C.a	Cat C.b	Cat C.c	Cat C.d	Cat D	Cat E	Rank Points
1206	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
1208	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
1210	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
1211	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
1212	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
1213	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
1214	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