MASSACHUSETTS
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2022 IUP Loan Forgiveness Project Descriptions

Clean Water Projects

Barnstable

Loan Number	Total Loan Forgiveness	Total Loan Amount
CW-22-65	$2,563,000	$11,000,000

Wastewater Pump Station Replacement Project
The Town of Barnstable will construct a new wastewater pump station at 725 Main Street to replace the existing wastewater pump station at 720 Main Street. This older pump station is in poor condition and has reached the end of its design life. This project is consistent with the long-term rehabilitation plan prepared in 2019 for the Town's 27-existing pump stations.

Boston Water & Sewer Commission

Loan Number	Total Loan Forgiveness	Total Loan Amount
CW-22-56	$4,029,017	$20,145,084

South Boston Sewer Separation
The Boston Water and Sewer Commission seeks to reduce Combined Sewer Overflows (CSOs) discharges in Boston Harbor and its tributaries. The plan involves five sewer separation projects over an area of 403 acres by constructing new storm drains and allowing the existing combined sewers to function as separate sanitary sewers, or by constructing new sanitary sewers and allowing the existing combined sewer to serve as storm drains.

Brockton

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-22-34	$432,517	$2,173,452

2023 Sewer System Rehabilitation
The City of Brockton's sewer system rehabilitation project will include up to 20 miles of preparatory cleaning of existing sewer pipe, internal television inspection, cured-in-place (CIP) sewer pipe lining, and rehabilitation of manholes. Sewer reaches and sewer manholes selected for this project have been identified based on the 2017 sewer flow monitoring program and will be prioritized as part of the ongoing SSES Program Phase 2.

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Chicopee

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-22-39, CWP-22-39A	$2,182,700	$7,300,000

South Fairview Sewer Separation Project – Phase A

The Town of Chicopee's project includes separation of 15,450 linear feet of combined sewer main in coordination with the City of Chicopee's Long Term CSO Control Plan. The proposed sewer separation will result in a significant reduction of CSO volumes and frequencies by reducing flow to one of the outfalls and will also provide needed relief for several sewer back-up conditions in some of the most seriously affected high priority areas.

Fitchburg

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-22-58, CWP-22-58-A	$2,668,858	$8,925,948

CSO 010, 032, 045, 083 Separation and Rehabilitation Project

The Town of Fitchburg seeks to perform sewer separation and rehabilitation. The CSO Separation and Rehabilitation Project will involve the separation of an estimated 27,600 linear feet of combined sewers, the separation of 9 combination manholes, and the closure of 4 CSO regulators (CSO 010, 032, 045, and 083) that have discharged a combined estimated 35.7 million gallons of untreated combined sewage to the North Nashua River between 2015 and 2020. The project will also include approximately 37,600 linear feet of trenchless rehabilitation of sanitary sewers to reduce infiltration/inflow upstream of the 4 regulators. This project will also include green infrastructure, when applicable, and will include stormwater improvements for the 2070 10-year, 24-hour storm event.

Framingham

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-22-35	$1,646,708	$9,919,928

Worcester Road Sewer Pumping Station Replacement

The City of Framingham seeks the replacement of the existing Worcester Road Sewer Pump Station. Constructed in 1966, the existing pump station is reaching the end of its useful life. The pump station consists of two electric pumps and one natural gas fired pump that is manually operated when required. Resiliency will be provided in the new pump station by including three electric pumps (two duty and one standby) and an emergency diesel generator that will automatically provide electricity during any power outage.

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Franklin

Loan Number	Total Loan Forgiveness	Total Loan Amount
CW-22-31	$3,300,000	$33,000,000

Beaver Street Interceptor Rehabilitation & Replacement with New Beaver Street Pump Station
The Town of Franklin seeks to rehabilitate, relocate, and replace the 100-year-old Beaver Street Interceptor. This project includes upsizing 900 linear feet of sewer, cured-in-place lining 6,400 linear feet of sewer, installing 2,500 linear feet of new gravity sewer, and construction of a new Beaver Street pump station and associated force main. This will increase capacity within the interceptor and prevent future sanitary sewer overflows into the Mine Brook.

Littleton

Loan Number	Total Loan Forgiveness	Total Loan Amount
CW-22-57	$2,943,800	$29,438,000

Littleton Sewer System Expansion
The Town of Littleton Sewer System Expansion project includes several improvements to the Town's wastewater infrastructure. The project includes expanding the existing collection system to service the Littleton Common Area, upgrading an existing pumping station, installing two new pumping stations, and a new centralized Water Resource Recovery Facility that will treat current and future wastewater flows. The construction of these projects will reduce the number of on-site septic systems, thus reducing nutrient and bacteria levels in the Town's surface and groundwater while supporting the Town's economic development. These projects will address needs identified in the Town's Wastewater Needs Assessment.

Lynn Water & Sewer Commission

Loan Number	Total Loan Forgiveness	Total Loan Amount
CW-22-69	$7,475,000	$25,000,000

West Lynn Sewer Separation – Phases 3, 4, & 5
The Lynn Water and Sewer Commission's project involves sewer separation of approximately 260 acres in an urban setting in the western side of the City. To facilitate discharge of the stormwater, a new 100 million gallon a day pump station and 54" force main, which discharges to Lynn Harbor, will also be installed. The project consists of five (5) phases of construction. Construction of Phases 1 & 2 are underway.

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New Bedford

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-22-66, CWP-22-66-A	$468,713	$2,355,344

Wastewater Collection System Improvements

The City of New Bedford's project includes wastewater collection system improvements through four contracts. Contract 1 - Phase 1 Interceptor and Collector Sewer Rehabilitation Program, Contract 2 - Coggeshall Street Sewer Separation Phase 3, Contract 3 - Illicit Discharge Removal Program, and Contract 4 - Grape Street Collector.

Northampton

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-22-43	$2,959,581	$17,828,800

Northampton Wastewater Treatment Plant Upgrades

The City of Northampton's construction project includes multiple upgrades to systems at the end of useful life that are recommended in the City's 2016 CWMP. These improvements will optimize nitrogen removal in accordance with current and likely future NPDES permit conditions, address facility resiliency, ensure proper function of plant processes, and ensure that plant-wide control, monitoring, and alarming of processes and equipment is sufficient to prevent future malfunctions. The City operates an 8.65 million gallons per day treatment plant that discharges to the Connecticut River tributary to Long Island Sound. The plant is within an environmentally sensitive area and in 2018 experienced a failure that caused wastewater to discharge into the Old Mill Riverbed and Connecticut River.

Orleans

Loan Number	Total Loan Forgiveness	Total Loan Amount
CW-22-28	$5,888,751	$29,443,754

Meetinghouse Pond Area Collection System and PS

The Town of Orleans is replacing 474 septic systems with an extension of the municipal sewer system. This infrastructure includes approximately 15, 750 linear feet (LF) of 8- to 12-inch gravity sewer; 20, 750 LF of low-pressure sewer; 7, 500 LF of 8-inch force main; and 1 submersible pump station. This construction project is critical to meeting total maximum daily limits for the Town and will benefit the Pleasant Bay System and Town Cove, along with numerous water supply points. It is part of the approved CWMP and a continuation of the sewering work previously financed through SRF.

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Quincy

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-22-49, CWP-22-49-A	$660,986	$4,969,821

Quincy Sewer Improvements

The City of Quincy seeks to implement the recommendations from the 2020 Sewer System Evaluation Survey (SSES) to remove inflow and infiltration (I/I) and rehabilitate approximately 3.25 miles of sewer pipe in the City of Quincy through open cut repairs and cured-in-place pipe (CIPP) lining. This project will reduce I/I to the system, supporting the regional I/I reduction program and reducing the risk of sanitary sewer overflows and backups, which create public and environmental health issues.

Revere

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-22-55, CWP-22-55-A	$1,635,777	$9,854,079

Phase 13 Construction – Inflow/Infiltration (I/I), Illicit Discharge Detection and Elimination, Pump Station & Drainage

The City of Revere's Phase 13 Construction Project includes the removal of inflow/infiltration (I/I) from the City's sewer system. Construction will include the redirection of public and private inflow sources discovered during Phase 13 Field Investigations in addition to IDDE source removal, and drainage improvements. Illicit connections, including sump pumps, roof leaders, etc. will be removed from the City's sewer system in order to remove inflow and increase wastewater capacity. Construction will also include pump station improvements (both stormwater and wastewater), CIPP lining, sewer spot repairs, replacements, new sewer lines, cleaning, and additional wastewater metering.

Saugus

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-22-50	$290,285	$1,748,703

Comprehensive Sewer System Rehabilitation PS-4

The Town of Saugus' project includes comprehensive sewer system rehabilitation in Subsystem PS-4. Construction will include the rehabilitation of pipelines, manholes and service laterals necessary to eliminate inflow and infiltration (I/I) from the system. Approximately 13,550 feet of 8-inch and 2, 650 feet of 10-inch pipe have been identified as being in need of cured in place piping in subsystem PS-4 to eliminate I/I. Also included in this project will be the installation of a lining system to improve the quality of the service to mainline connection. There are approximately 274 of this type of connection in Subsystem PS-4. Approximately 97 manholes have also been identified and are in need of rehabilitation. Each manhole will be lined using the latest standards.

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Springfield Water & Sewer Commission

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-22-36, CWP-22-36-A	$6,574,812	$21,989,339

Grit Removal System Upgrade at the Springfield Regional Wastewater Treatment Facility
The Springfield Water and Sewer Commission seeks to upgrade the SRWTF to include a dedicated grit removal system. The upgrade will include influent channel modifications and temporary bypass pumping, construction of grit removal system with associated piping and pipe tunnel modifications, installation of slide gates for flow control, flow channel modification, and the replacement and upgrade of the existing grit classifiers and screw conveyors.

Taunton

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-22-53, CWP-22-53-A	$497,313	$2,499,058

2023 Sewer and Drain Improvements
The City of Taunton's project consists of improvements and repairs to the existing sewer and stormwater systems. This is a continuation of work begun during previous projects and is primarily directed at removing inflow and infiltration from the system.

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-22-54	$796,000	$4,000,000

2023 Pump Station Improvements
The City of Taunton's project will upgrade several pump stations in the Taunton collection system. Included will be one full-scale pump station replacement and several generator replacements and instrumentation and control updates.

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Drinking Water Projects

Amherst

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-15	$5,970,000	$15,000,000

Centennial Water Treatment Plant Replacement
The Town of Amherst seeks to replace the Centennial Water Treatment facility. The Town has five groundwater production wells and four surface water reservoirs that supply an average of 3 million gallons per day (MGD) of safe drinking water to the residents and businesses, as well as Amherst and Hampshire Colleges, UMass, and parts of Pelham, Belchertown, and Hadley.

Andover

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-22-28	$1,397,865	$6,989,236

Phase I Water Transmission Main Improvements
This project is the first phase of the Town of Andover's phased approach to provide redundancy and reliability from the Town's water treatment facility and main storage tank to the distribution system in the East High-Pressure Zone. Currently, there are no redundant sources of water distribution throughout the Town. The Phase 1 project will add approximately 8,400 linear feet of new main to establish redundancy and reliability in the distribution system.

Blandford

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-22-30	$15,000	$75,000

Water Main Replacement and Storage Evaluation
The Town of Blandford seeks to conduct the preliminary planning and investigations required for replacing 14,000 feet of water main, replacing galvanized service lines with lead goosenecks, siting and sizing a new water storage tank, and evaluating the existing booster station. Since a new site may be required for the storage tank, it is important to survey preliminary borings, easements, and obtain other preliminary information prior to design. This project will be vital for understanding the existing conditions, evaluating the most cost-effective route, and approaching proper design.

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-31	$446,151	$1,167,935

Water Treatment Plant Upgrade
The Town of Blandford seeks to implement process upgrades to the water treatment plant to address a recent Administrative Consent Order and maintain high levels of system reliability, water quality, and improve the filtration of raw and finished water to reduce elevated DBPs.

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Boston Water and Sewer Commission

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-22-50	$989,429	$2,473,572

Elimination of Lead Water Services in Boston

The Boston Water and Sewer Commission seeks to eliminate lead water services in both the public way and private property. The Commission has an ongoing lead water service replacement program which was initiated in response to the exceedance of the lead action level in 2020.

Braintree

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-51	$3,160,000	$10,000,000

Tri-Town Regional Water Treatment Plant

The proposed Tri-Town Regional Water Treatment Plant (TTRWTP) project would create a regional facility to replace the existing Braintree Water Treatment Plant (WTP) and Randolph/Holbrook WTP. The new regional facility would eliminate redundancies of having two individual plants and their associated capital and operation and maintenance costs. The new Tri-Town WTP will help protect public health by reducing bacteria, carcinogenic compounds, and disinfectant byproducts present in the current systems. The water treatment process would be as follows:

- Polymer and PACL addition for coagulation of raw water
- Dissolved air floatation (DAF) for removal of larger, coagulated solids
- Granular activated carbon (GAC) filtration for removal of per- and polyfluoroalkyl substances (PFAS) and smaller, finer solids
- Chlorine addition for disinfection and pH adjustment for corrosion control

The new TTRWTP will incorporate improved treatment technology in order to provide high quality finished water and to maintain distribution system residuals. The regional facility, with design capacity of 12.5 MGD, would meet all current and anticipated drinking water standards, and would also improve the aesthetic quality of drinking water for Braintree, Randolph, and Holbrook.

Brockton

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-13	$3,714,136	$9,332,000

Transmission Main Replacement Project

The City of Brockton's North Main Street water transmission main replacement project will target the 18- to 24-inch unlined cast iron pipe from Manners Court (Woodland Avenue WTP) to East Battles Street where the City has experienced historical water main breaks and water quality issues, and extend the North Main Street water transmission main, on North Main Street, Wilder Street and North Montello Street. The new water transmission main will replace existing 6- and 8-inch diameter unlined cast iron water mains installed in the 1890's. In total, it will replace approximately 3,900 feet of water main and will connect to the existing transmission main in North Montello Street, creating a better hydraulic loop in this part of the water distribution system.

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Burlington

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-22-03	$3,522,588	$14,090,350

Mill Pond Water Treatment Plant – PFAS

The Town of Burlington seeks to construct a new system at the Mill Pond Treatment Plant to remove or mitigate existing PFAS concentrations within the Town of Burlington's water supply system.

East Brookfield

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-49	$3,005,968	$7,869,027

Water Storage Improvements

The Town of East Brookfield project involves a water storage tank replacement and AC pipe replacement. The existing tank is the sole water storage component and should be replaced to address significant deficiencies. AC pipe should also be replaced to prevent pipe failures from increased pressures from new water tank.

Eastham

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-21	$4,740,000	$15,000,000

Eastham Water System – Phase 2E

The Town of Eastham seeks to continue its implementation of a new, town-wide municipal water system to provide a clean and reliable source of drinking water for its residents as well as fire protection. As part of the water system construction proposed for Phase 2E, an additional 51,000 feet of water main (9.7 miles) distribution system piping is to be installed and a second water storage tank (750,000 gallons) is to be constructed at District H. Phase 2E completes the entire water system project.

Essex

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-22-32	$624,745	$2,498,980

Town of Essex's Water Treatment Plant Upgrade

The Town of Essex will address the Water Treatment Plant Plant's outdated/failing equipment. This includes replacing parts of the flocculation and settling tanks system, replacing finished water pumps, and updating the sludge pump to a duplex system. The chemical addition systems will be updated to modern design standards. Specific chemical bulk tank storage and transmission lines will be replaced. The facility will be upgraded with modern control systems and instruments and with new operational/safety items. The Water Treatment Plant had a catastrophic event in June of 2021 when a plastic chain on one of the two settling basins broke.

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Fall River

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-11	$732,947	$1,841,575

Wilson Road Booster Pumping Station

The City of Fall River will construct a new booster pumping station at the Wilson Road Pump Station site to serve the high service zone and industrial park elevated tank and increase resiliency in the City's water system. The booster station will provide a redundant source of supply to the high service zone to ensure adequate operating pressures are maintained in the distribution system at all times. This work is part of the contract bid that includes the Wilson Road Sewer Pump Station also funded through the Trust.

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-23-23	$2,481,700	$4,150,000

Lead Service Line Replacement

The project consists of lead service line (LSL) replacements. It includes the 107 partial, public LSLs and 533 full LSLs that are documented in the draft LSL inventory list. During the 2021 lead and copper monitoring period, the City exceeded the 90th percentile lead action level for lead. The Project will expedite the removal of full and partial LSLs within the City to achieve compliance.

Fitchburg

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-40	$1,313,400	$3,300,000

Oak Hill Water Storage Tank Replacement

The City of Fitchburg seeks to replace an existing 0.5 MG water storage tank and coating rehabilitation for two additional water storage tanks within the City's water distribution system. The storage tank replacement has been requested to be addressed by the Massachusetts Department of Environmental Protection (DEP) following a 2019 sanitary survey and the coating rehabilitation is required by an existing Administrative Consent Order (ACO). The project is required to address deficiencies within the existing storage tanks and maintain the existing storage capability and operations of the water distribution system.

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Holbrook

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-53	$1,222,400	$3,200,000

Tri-Town Regional Water Treatment Plant

The proposed Tri-Town Regional Water Treatment Plant (TTRWTP) project would create a regional facility to replace the existing Braintree Water Treatment Plant (WTP) and Randolph/Holbrook WTP. The new regional facility would eliminate redundancies of having two individual plants and their associated capital and operation and maintenance costs. The new Tri-Town WTP will help protect public health by reducing bacteria, carcinogenic compounds, and disinfectant byproducts present in the current systems. The water treatment process would be as follows:

- Polymer and PACL addition for coagulation of raw water
- Dissolved air floatation (DAF) for removal of larger, coagulated solids
- Granular activated carbon (GAC) filtration for removal of per- and polyfluoroalkyl substances (PFAS) and smaller, finer solids
- Chlorine addition for disinfection and pH adjustment for corrosion control

The new TTRWTP will incorporate improved treatment technology in order to provide high quality finished water and to maintain distribution system residuals. The regional facility, with a design capacity of 12.5 million gallons per day, would meet all current and anticipated drinking water standards, and would also improve the aesthetic quality of drinking water for Braintree, Randolph, and Holbrook.

Leicester Water Supply District

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-38	$1,978,539	$5,179,421

Water System Interconnection with Worcester

The Town of Leicester seeks to construct an interconnection between the Leicester Water Supply District and Worcester water systems including a metered pump station and about 2 miles of water main in accordance with an Administrative Consent Order. Without the interconnection, water treatment improvements are required to continue using the District's supplies located in Paxton, to meet water quality standards and regulations and protect public health. The size and scope of the treatment improvements required to continue using these supplies makes the purchase of water from Worcester a viable alternative to maintain the fiscal sustainability of the District and protect public health.

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Mansfield

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-02	$2,211,903	$6,999,694

Walsh Well PFAS Treatment System and Well Upgrades
The Town of Mansfield seeks the installation of new gravel pack wells to replace the existing wellfield to reduce maintenance requirements, and construction of a new GAC-based PFAS treatment system to allow the source to distribute water meeting all regulatory criteria. The project will involve installation and testing of new groundwater wells, construction of a new water filtration facility, upgrades to existing electrical and controls systems to replace aging infrastructure and accommodate the new wells and treatment building, and associated site improvements.

Nantucket

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-22-25	$1,757,161	$5,933,945

Water System Expansion West of Nantucket Airport
The Town of Nantucket seeks to expand the water distribution system in the area west of the Nantucket Memorial Airport to provide water service to up to 80 existing homes that are impacted by PFAS in private domestic wells. This will provide a safe municipal drinking water source to these homes and be protective of public health. The project requires installation of up to 14,800 feet of new 12 diameter ductile iron water main and appurtenances.

New Bedford

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWPLC-22-47	$11,010,823	$18,412,748

Lead Service Line Replacement Program
The City of New Bedford seeks to implement Phase II of its Lead Service Line Replacement Program, an aggressive, multi-year program to replace all remaining Lead Service Lines (LSLs) in the City. This phase of the program will replace about 1,000 to 1,500 LSLs in a two-year period throughout the City's water distribution system. The City is committed to protecting public health and continuing to provide safe drinking water to all its customers, and as such, this aggressive Lead Service Line Replacement Program demonstrates that commitment to maintain continued compliance with the Lead and Copper Rule.

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North Attleborough

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-01	$1,435,128	$4,541,545

Emergency Adamsdale Well PFAS Treatment Facility

The Town of North Attleborough seeks to construct a PFAS removal treatment system including granular activated carbon (GAC) pressure vessels at the Adamsdale Well site. The proposed system includes two pressure vessels and all appurtenant piping and valves. The treatment process will include piping modifications, construction of a new pre-engineered building with associated electrical, lighting, and HVAC systems. Instrumentation and control systems upgrades will be included to fully integrate the new system into the existing treatment process, which currently includes only chemical addition. Concurrently, the addition of a sodium fluoride chemical feed system will be coordinated with the PFAS treatment system.

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-20	$2,291,019	$7,250,061

McKeon Water Treatment Facility – PFAS

The Town of North Attleborough's proposed project involves constructing a PFAS removal treatment system including granular activated carbon) adsorption installed in pressure vessels at the McKeon water treatment facility site. The proposed system includes pressure vessels, media, and appurtenant piping and valves. The treatment process will include piping modifications, construction of a new pre-engineered building with associated electrical, lighting, and HVAC systems. Instrumentation and control systems upgrades will be included to fully integrate the new system into the existing treatment process, currently a greensand media iron and manganese removal system and chemical addition. Concurrently, a sodium fluoride chemical feed system will be added/coordinated with the PFAS treatment system.

Orange

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-04	$446,140	$1,120,955

North Main Street Water Main Replacement

The project consists of replacement of approximately 2,300 linear feet of existing water mains with new ductile iron pipe along North Main Street. Included with this project is replacement of water services, valves, hydrants and similar appurtenances associated with the project.

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Randolph

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-52	$3,046,400	$6,800,000

Tri-Town Regional Water Treatment Plant

The proposed Tri-Town Regional Water Treatment Plant (TTRWTP) project would create a regional facility to replace the existing Braintree water treatment plant (WTP) and Randolph/Holbrook WTP. The new regional facility would eliminate redundancies of having two individual plants and their associated capital and operation and maintenance costs. The new Tri-Town WTP will help protect public health by reducing bacteria, carcinogenic compounds, and disinfectant byproducts present in the current systems. The water treatment process would be as follows:

- Polymer and PACL addition for coagulation of raw water
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- Chlorine addition for disinfection and pH adjustment for corrosion control

The new TTRWTP will incorporate improved treatment technology in order to provide high quality finished water and to maintain distribution system residuals. The regional facility, with a design capacity of 12.5 million gallons per day, would meet all current and anticipated drinking water standards, and would also improve the aesthetic quality of drinking water for Braintree, Randolph, and Holbrook.

Scituate

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-22-36	$473,753	$2,368,763

Stearn's Meadow Water Treatment Plant

The Town of Scituate seeks the construction of a new water treatment facility in accordance with the forthcoming Administrative Consent Order (ACO). The new water treatment facility will include Dissolved Air Filtration, dual media filter treatment, new emergency back-up power, intake piping, interconnection piping, and appurtenances. The completed project will improve drinking water quality by reducing high manganese and iron concentrations and eliminate microbiological contaminations and discoloration.

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Somerset

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-43	$449,375	$1,353,540

Booster Pump Station & High Service Area Rehab
The Town of Somerset seeks the replacement of a booster pump station to re-establish the high service area in the Town's distribution system. The current booster pump station is no longer operable requiring the distribution system to operate at one pressure zone. Replacement of the booster pump station will allow re-establishment of the high service zone, which will reduce the total dead water storage within the distribution system and lower water age. A total trihalomethanes removal system will also be added to the tanks within the low service area to address disinfection by-products exceedances.

Somerville

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWPLC-23-42	$897,785	$1,926,577

Somerville LSL Replacement Program Phase 3
The Project will implement Phase 3 of the City's annual lead service line (LSL) replacement program and is targeting approximately 100 properties suspected of having LSLs. The City intends to continue to confirm material, remove lead, and improve its inventory until all known lead services are removed.

Sudbury Water District

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-22-05	$827,848	$3,311,392

Raymond Road Water Treatment Plant – PFAS Treatment
The Town of Sudbury seeks the construction of a permanent treatment system consisting of four 12-foot diameter pressure vessels containing granular activated carbon (GAC). The vessels will be housed in a building adjacent to the exiting Raymond Road Water Treatment Plant (Raymond Road WTP). The proposed treatment system is to remove PFAS from the water, therefore providing the public with safe drinking water.

Townsend

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-26	$5,958,158	$14,900,000

PFAS Water Treatment Improvements
The Town of Townsend seeks the construction of a new Water Treatment Plant and raw water transmission main to treat PFAS-contaminated water.

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CLEAN WATER TRUST

Water Supply District of Action

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-23-01	$316,000	$1,000,000

PFAS Treatment at the North Acton Water Treatment Plant
The Acton Water Supply District's emergency project is to install a temporary treatment system to remove PFAS until a permanent solution can be constructed at the water treatment plant.

Winthrop

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-34	$506,398	$1,903,750

Revere Street Pressure Release Valves (PRVs) Station Improvements
The Town of Winthrop will upgrade the Town's main water supply connection to the MWRA system. On December 3, 2020, the Town experienced a failure in one of the pressure release valves (PRVs). Due to the condition of the existing valves at the station, the redundant valves also experienced a failure. The Town lost system pressure and fire protection for approximately one hour until its emergency connection with the MWRA system at Deer Island was opened. This project will replace all piping and valves in the PRVs station, upgrade the outdated instrumentation and controls at the station, and make improvements to floodproof the station.

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-22-35	$1,300,767	$4,890,101

Revere, Crest, & Grovers Avenue Street Distribution Improvements
The Town of Winthrop seeks to replace approximately 3,500 linear feet of 8-inch through 12-inch unlined and tuberculated cast iron water mains and the rehabilitation of approximately 4,500 linear feet of 10-inch and 12-inch unlined, tuberculated cast iron water mains. The project will restore capacity to existing mains, improve isolation control in mains that help feed the distribution system from its primary connection to the MWRA system, improve water quality by eliminating unnecessary water mains, and replace water mains with a break history. In addition, the project is expected to replace up to 10 suspected lead services from the system.