



2021 Loan Forgiveness Project Descriptions

Clean Water Projects

Abington

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-21-01	\$644,801	\$6,155,564

Summer St. Force Main Replacement Project

The Town of Abington's sewer force main replacement project consists of constructing a new 11,000 linear foot (LF) sewer force main for system redundancy and future average daily flow demands. The existing 30-year-old 16inch ductile iron force main, which transports all wastewater from the Town to Brockton for treatment, has experienced two breaks due to corrosion. The most recent failure, near a wetland area, was caused by corrosive soils destroying the pipe from the outside. The previous break was at a high point in the pipeline where hydrogen sulfide caused the pipe failure. This project will protect the environment and public health by safely conveying wastewater flows in a new corrosion resistant pipeline.

Acton

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-21-41	\$260,014	\$3,466,850

Acton Middle Fort Pond Brook Wastewater Treatment Facility (WWTF) Upgrades

The Town of Acton's construction project at the Middle Fort Pond Brook Wastewater Treatment Facility (WWTF), includes upgrades and improvements to the existing WWTF and pump stations in the Town's collection system. The WWTF was originally built in the year 2000 and, with no significant upgrades, has reached its 20-year design life in 2020. These improvements include the replacement of aged WWTF system components that are approaching or have exceeded their useful life to ensure continued facility compliance. Additionally, improvements will be made to account for future capacity needs in the Town including the upsizing of equipment and processes at the WWTF.

Adams

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-21-24	\$1,188,354	\$6,829,620

WWTF Capital Improvements

The Town of Adams' construction project includes the repair, replacement, and refurbishment of various systems of the Adams WWTF as defined in the 2020 Capital Needs Assessment Report to address stringent NPDES permit limits, reduce nutrient discharges, and ensure the integrity of the plant. The Adams WWTF has been in operation since 1968, with limited capital improvements occurring in 2006. The Town of Adams has performed general maintenance and rebuilt equipment to maintain WWTF operation; however, many components have far exceeded their anticipated life expectancy. This project serves to repair and replace aging process equipment and infrastructure to allow the WWTF to continue serving the community and reliably protecting the environment in the future.

Barnstable

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-21-42	\$298,212	\$2,761,225

Wastewater Pump Station Improvements Project

The purpose of this project is to upgrade three of the Town of Barnstable's existing wastewater pumping stations to be more resilient, dependable, energy efficient, and cost-efficient. The three proposed projects are consistent with the long-term rehabilitation plan prepared in 2019 for the Town's 27 existing pump stations.

Loan Number(s)	Total Loan Forgiveness	Total Loan Amount
CWP-21-49, CWP-21-49-A	\$2,152,027	\$19,926,176

Route 28 East Sewer Expansion Project

The Town of Barnstable's project includes construction of approximately 11,000 linear feet of gravity sewer and a new pump station. Once operational, the new infrastructure will handle approximately 1.5 million gallons per day (MGD) of average daily flow. This project is the critical element toward building an extensive wastewater collection system that will eventually serve more than 7,000 properties during the town's thirty-year phased Comprehensive Wastewater Management Plan.

Bridgewater

Loan Number(s)	Total Loan Forgiveness	Total Loan Amount
CWP-21-32, CWP-21-32-A	\$5,655,943	\$40,113,070

WWTF Upgrades – Phase I

The Town of Bridgewater's WWTF phase one project will implement improvements and new processes for advanced nutrient removal for total nitrogen, and modernize existing treatment systems to meet the more stringent effluent limits and compliance schedule of the National Pollutant Discharge Elimination System (NPDES) permit and the Administrative Consent Order (ACO) issued by the US Environmental Protection Agency (EPA) and Massachusetts Department of Environmental Protection (MassDEP). The new processes include among others, additional rotating biological contactor (RBC) capacity to enhance nitrification, a pre-anoxic denitrification process ahead of the RBC process, internal recycle pumping, and expanded chemical addition to meet nitrogen limits set by the current NPDES permit, and phosphorus interim limits set by the ACO.

Chatham

Loan Number	Total Loan Forgiveness	Total Loan Amount
CW-21-46	\$211,363	\$2,818,173

Chatham Queen Anne Pumping Station Upgrade 2021

The Town of Chatham's project is intended to upgrade the existing Queen Anne wastewater pumping station that is receiving increased wastewater flow from newly constructed sewer extensions, and to provide future capacity for new sewer extensions. These sewer extensions will allow the Town to continue implementing their approved Comprehensive Wastewater Management Plan to achieve nitrogen total maximum daily load compliance in the coastal estuaries, including Stage Harbor.

Loan Number	Total Loan Forgiveness	Total Loan Amount
CW-21-38	\$269,876	\$3,598,348

Chatham Stormwater Improvement Projects 2021

The Town of Chatham's project is intended to improve the water quality in coastal receiving water by reducing the amount of untreated stormwater runoff. Runoff to Frost Fish Creek (Pleasant Bay), Chatham Harbor (Pleasant Bay), and Oyster Pond (Stage Harbor) will be reduced through best management practices, including the addition of leaching pits, leaching fields, and rain gardens.

Dukes County

Loan Number	Total Loan Forgiveness	Total Loan Amount
CW-21-33	\$822,867	\$10,971,561

Martha's Vineyard Airport WWTF Upgrades

The Martha's Vineyard Airport Commission's project will implement recommendations approved by the MassDEP in association with the renewal of the permit for the Martha's Vineyard Airport WWTF. The Draft retained the effluent discharge limitations for the WWTF and includes changes in monitoring and reporting to comply with current regulations. Facility improvements include repairs to the process building and exterior structures, a new flow-metering vault for composite sampling, reporting and process control. Additional process equipment and electrical upgrades will be included with construction and will ensure protection of a sole source aquifer and associated environmental resources.

Fall River

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-21-50	\$352,662	\$2,026,795

Wilson Road Sewer Pump Station Replacement

The City of Fall River's project includes full replacement with a submersible pump station, a building to house the generator, electrical equipment, controls, and a new 12-inch force main and lining of 1,500 linear feet (LF) of poorly performing vitrified clay sewer. Constructed in 1970 to serve the Fall River Industrial Park and the northeast section of the City, the Wilson Road Sewer Pump Station is at the end of its service life and has insufficient capacity to handle existing wet weather flows and projected future flows from expansion planned in the industrial park.

Loan Number(s)	Total Loan Forgiveness	Total Loan Amount
CWP-21-06, CWP-21-06-A	\$9,018,246	\$51,829,000

WWTF Improvements

The City of Fall River's WWTF improvement's project is the second phase of a complete WWTF rehabilitation/upgrade for reliable National Pollutant Discharge Elimination System (NPDES) compliance and to address water quality, public health and safety issues.

Great Barrington

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-21-53	\$486,968	\$4,508,962

Wastewater Pump Station Upgrades Project

The Town of Great Barrington's project is part of a 20-year capital improvement plan to upgrade and modernize the Great Barrington wastewater collection system. The Town recently completed a long-term planning study that recommended improvements to its pump stations to extend their useful life, ensure long-term functionality, and permit compliance. The key components of the project include upgrades to pump stations at the following four locations: Cone Avenue, Risingdale, South Main Street, and Fairgrounds.

Haverhill

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-21-40	\$1,161,968	\$8,240,908

Sewer System Improvements

The City of Haverhill's project will repair and rehabilitate the historic sewer system by addressing structural deficiencies and/or operational and maintenance deficiencies identified during recent inspections.

Hudson

Loan Number	Total Loan Forgiveness	Total Loan Amount
CW-21-36	\$1,611,739	\$14,923,500

WWTF Phase 2 Upgrades

The Town of Hudson's Phase 2 WWTF project involves upgrades to Hudson's WWTF and Main Street Pump Station. The project includes the replacement of aged systems that have exceeded their useful life and will consist of comprehensive renovation and upgrade to the WWTF's control and headworks buildings, replacement of trickling filter and activated sludge clarifier mechanisms, and aeration system upgrades. The process building will receive system improvements and a new generator to power the entire facility. Improvements to the Main Street pump station include new pumps, instrumentation, electrical, and generator. The project will improve the facility's overall reliability and efficiency allowing it to continue to meet its National Pollutant Discharge Elimination System (NPDES) permit requirements.

Lawrence

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-21-25	\$456,750	\$2,625,000

Sewer and Drainage System Improvements

The City of Lawrence's project will rehabilitate and replace sewer system defects, and operational and maintenance issues. The sewer and drainage system improvements will address structural pipe failures, reduce infiltration and inflow sources, and abate illicit cross-connections to the Municipal Separate Storm Sewer System (MS4) areas.

Lynn Water & Sewer Commission

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-21-22	\$12,237,199	\$70,328,732

WWTF Initial Capital Improvements

The Lynn Water and Sewer Commission's project includes modifications and additions to the existing WWTF and collection system pump stations. These improvements are necessary to remain in compliance with effluent requirements, as well as improve and repair aging systems and infrastructure at the 40-year-old WWTF and collection system pumping stations. This project will help to maintain the WWTF functionality through the next 20 years. The project includes upgrades to the liquids and solids handling processes, improvements to the site and building system and improvements to the collection system pumping stations.

Mashpee

Loan Number(s)	Total Loan Forgiveness	Total Loan Amount
CWP-21-16, CWP-21-16A	\$5,827,464	\$53,958,000

Mashpee Water Resource Recovery Facility (WRRF) and Collection System

The Town of Mashpee proposes the construction of the new Phase 1 Mashpee WRRF and collection system to address nitrogen impacts to the Mashpee River watershed. The WRRF will provide advanced wastewater treatment including nitrogen removal through a membrane bioreactor process. The Phase 1 WRRF is designed for an average flow of 0.12 million Gallons per Day (MGD) and maximum monthly flow of 0.31 MGD. The WRRF is designed to be expanded through future phases of the Town's multi-phase recommended plan to meet the total maximum daily load for the Town's two nitrogen impaired watersheds.

Millbury

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-21-21	\$141,000	\$1,000,000

Year 1 to 4 Sewer Rehabilitation Project

The Town of Millbury's sewer system rehabilitation project will remove infiltration and inflow (I/I) and address structural defects. This project will implement the recommendations from the sewer system evaluation survey to remove I/I and rehabilitate sewer pipes and maintenance hole covers with structural defects. The project includes chemically root treating 2,417 liner feet (LF) of sewer; cleaning, inspecting, evaluating, and sealing 5,340 LF of sewer; installing 60 LF of structural short liner; installing 8,830 LF of structural cured-in-place pipe.

Additionally, the project will complete two spot repairs, testing and grouting 18 service connections, installing seven lateral liners; chemically root treating 17 maintenance holes; cementitious lining of 1,350 vertical feet of maintenance holes, and other related tasks.

Orange

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-21-52	\$244,619	\$1,405,855

North Main Street Water and Sewer Replacement

The Town of Orange recently completed a three-year annual flow monitoring program to evaluate the amount of infiltration and inflow (I/I) throughout the collection system. Additionally, a 2013 long-term planning study recommended I/I removal projects based on current recommendations and investigations. The Town has elected to replace gravity sewer mains and water mains located in North Main Street prior to a road reconstruction project in the same location.

Quincy

Loan Number(s)	Total Loan Forgiveness	Total Loan Amount
CWP-21-37, CWP-21-37-A	\$581,333	\$4,122,932

Quincy 2022 Sewer Improvements

The City of Quincy's project will implement recommendations from the 2020 sewer system evaluation survey to cost effectively remove infiltration and inflow (I/I) and rehabilitate approximately 3.25 miles of sewer pipe in the city through open cut repairs and cured-in-place pipe lining. This project will reduce the risk of sanitary sewer overflows and backups and support the regional I/I reduction program.

Revere

Loan Number(s)	Total Loan Forgiveness	Total Loan Amount
CWP-21-35, CWP-21-35A	\$964,097	\$5,540,788

Phase 12 Construction - Infiltration and Inflow (I/I), Illicit Discharge Detection and Elimination (IDDE), Pump Station & Drainage Improvements

The City of Revere's Phase 12 Construction Project will include the removal of I/I from the City's sewer system. Construction will include the redirection of public and private I/I sources discovered during field investigations, IDDE source removal, and drainage improvements. Illicit connections, including sump pumps, roof leaders, etc., will be removed from the City's sewer system to remove I/I and increase wastewater capacity. Construction will also include pump station improvements (both stormwater and wastewater), Cured-in-Place-Pipe (CIPP) lining, sewer spot repairs, replacements, new sewer lines, cleaning, and additional wastewater metering.

Spencer

Loan Number	Total Loan Forgiveness	Total Loan Amount
CW-21-48	\$7,562,667	\$43,463,606

WWTF Upgrades Project

The Town of Spencer's project involves essential upgrades to the WWTF to address stringent total phosphorus (TP) and copper limits, achieve nitrogen removal goals, and replace aging infrastructure. An Administrative Consent Order (ACO) and the current National Pollutant Discharge Elimination System (NPDES) permit require compliance with TP and copper limits by December 2024. The project also includes abandoning use of constructed wetlands, and the construction of new septage receiving equipment, upgraded influent screening and odor control systems, improved grit removal, new submersible influent pumps, nitrogen removal, renovations to create lab space, the addition of a secondary clarifier, a new tertiary treatment building for phosphorous removal, UV disinfection, and new sludge thickening equipment.

Springfield Water & Sewer Commission

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-21-11	\$5,862,432	\$33,692,134

Nutrient Removal Upgrade and Related Facility Improvements

The Springfield Water and Sewer Commission's project includes an upgrade to the Biological Nutrient Removal (BNR) Process – Hybrid BNR mixed liquor recycle pumping, replacing the diffused aeration distribution system, upgrades to the plant electrical system and rehabilitation of the ventilation system in the grit and screenings building. The objective of these improvements is to increase the effectiveness of the Springfield Regional Wastewater Treatment Facility (SRWTF) to continue meeting its current and anticipated future National Pollutant Discharge Elimination System (NPDES) permit limits, and to replace and increase the reliability of critical infrastructure onsite.

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-21-39	\$4,805,880	\$27,620,000

SWSC Locust Transfer and Flow Optimization

The Springfield Water and Sewer Commission's locust transfer and flow optimization project will advance the integrated wastewater plan goal for system redundancy between the Main Interceptor Sewer (MIS) and Connecticut River Interceptor (CRI). The project will include design and construction of approximately 2,300 linear feet (LF) of sewer upgrades on Locust Street and York Street and installation of flow optimization / junction structures to allow for flow to be transferred from the MIS to the CRI adding overall system redundancy. In addition, approximately three-million-gallons of Combined Sewer Overflow (CSO) reduction will be achieved through upgrades implemented on the MIS system near CSO Regulator 019 and the Dickenson Siphon.

Taunton

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-21-43	\$8,664,112	\$49,793,748

WWTF Upgrade - Phase 2

The City of Taunton's Phase 2 project consists of a complete upgrade of the Taunton WWTF. Improvements to the WWTF are required to meet new National Pollutant Discharge Elimination System (NPDES) discharge permit requirements. This phase will increase the level of treatment at the WWTF for total nitrogen removal.

Loan Number	Total Loan Forgiveness	Total Loan Amount
CW-21-44	\$1,820,119	\$10,460,456

Main Lift Pump Station Improvements Phase 3

The City of Taunton's project is the third and final phase of the upgrades to the Taunton Main Lift Pump Station. This project involves the construction of the pump station superstructure and equipment.

Whitman

Loan Number	Total Loan Forgiveness	Total Loan Amount
CWP-21-17	\$1,818,686	\$12,898,480

Replacement of 20-Inch Sewer Force Main

The Town of Whitman's project involves the full-length replacement of the 16,000 liner feet (LF) sewer force main from the Auburn Street Pump Station in the Town of Whitman to a gravity sewer terminus maintenance hole located on Southfield Drive in the City of Brockton.



Drinking Water Projects

Braintree

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-21-21	\$1,995,000	\$7,500,000

Tri-Town Regional Water Treatment Plant (WTP)

The proposed Tri-Town Regional Water Treatment Plant (TTRWTP) project would create a regional facility to replace the existing Braintree 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 PFAS, bacteria, carcinogenic compounds, and disinfectant byproducts present in the current systems. The water treatment process would be as follows: (i) Granular activated carbon (GAC) filtration for removal of per- and polyfluoroalkyl substances (PFAS) and smaller, finer solids; (ii) Polymer and PACL addition for coagulation of raw water; and (iii) Dissolved air floatation (DAF) for removal of larger, coagulated solids- Chlorine addition for disinfection and pH adjustment for corrosion control. The new TTRWTP will incorporate improved treatment technology to provide high quality finished water and to maintain distribution system residuals. The regional facility, with a 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.

Dighton Water District

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-21-17	\$831,600	\$3,850,000

Main Street Water Main Replacement

The Dighton Water District's project includes installation of approximately 11,600 linear feet (LF) of 12-inch ductile iron (DI) water main, 100 LF of 10-inch DI water main and 60 LF of 8-inch DI water main including hydrants, gate valves and service connections along Main Street between Williams Street and the intersection with Pleasant Street and Somerset Avenue.

Dudley

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-21-16	\$3,747,689	\$11,288,220

Dudley PFAS WTP

The Town of Dudley's PFAS Water Treatment Plant (WTP) project includes construction of a new PFAS WTP on the existing Pump Station No. 6 parcel, which would remove PFAS from the water of Pump Station No. 3 (and adjacent proposed Well No. 7) and Pump Station No. 6. In addition, this project includes upgrades to Pump Station No. 6 and Pump Station No. 3.

Eastham

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-21-10	\$3,656,588	\$12,966,625

Eastham Water System - Phase 2D

The Town of Eastham's water system project consists of constructing the third well field at District H and installation of 11 miles of water main for the newly built Town-wide municipal water system.

Haverhill

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-21-15	\$1,588,893	\$7,362,750

Phase 3 - Transmission Main Improvements

The project involves cleaning and cement lining of 8,000 linear feet (LF) of 20-inch transmission main as the third and final phase of a three-phase improvement plan to provide redundancy from the City's water treatment facility and main storage tank to the distribution system. The project also involves the replacement of 12,650 LF of undersized water main and replacement of two lead service lines.

Holbrook

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-21-22	\$796,800	\$2,400,000

Tri-Town Regional WTP

The proposed Tri-Town Regional Water Treatment Plant (TTRWTP) project would create a regional facility to replace the existing Braintree 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 PFAS, bacteria, carcinogenic compounds, and disinfectant byproducts present in the current systems. The water treatment process would be as follows: (i) Granular activated carbon (GAC) filtration for removal of per- and polyfluoroalkyl substances (PFAS) and smaller, finer solids; (ii) Polymer and PACL addition for coagulation of raw water; and (iii) Dissolved air floatation (DAF) for removal of larger, coagulated solids- Chlorine addition for disinfection and pH adjustment for corrosion control. The new TTRWTP will incorporate improved treatment technology to provide high quality finished water and to maintain distribution system residuals. The regional facility, with a 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.

Hudson

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-21-04	\$1,491,850	\$5,608,461

Chestnut Street PFAS Treatment System

The Town of Hudson's Chestnut Street PFAS treatment system project involves expanding the existing temporary PFAS removal system at the Chestnut Street Water Treatment Plant (WTP) to include a third treatment train in addition to the two existing trains in response to elevated levels of PFAS in the Town's groundwater supply. The proposed third treatment train will include an additional two ion-exchange vessels in a lead-lag configuration. The resulting system will consist of three treatment trains, each with a design capacity of 50% of the plant's maximum flow, and all appurtenant piping and valves. The treatment process expansion will include piping modifications, expansion of the existing concrete support slab and foundation, installation of a building with all associated electrical, lighting, and Heating, Ventilation, and Air Conditioning (HVAC) systems.

Littleton

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-21-01	\$4,906,987	\$24,534,937

Fe, Mn, and PFAS WTP

The Town of Littleton's Fe (Iron), Mn (Manganese), and PFAS Water Treatment Plant (WTP) project includes installation of piping water from Spectacle Pond to Whitcomb Ave and a new combined WTP, rather than two separate WTPs at Spectacle Pond and Whitcomb Ave. The WTP will include biological filtration for Fe and Mn removal and granular activated carbon (GAC) filters for PFAS removal. The two largest source waters operated by the Town are currently limited by pumping capacity and water quality. The Spectacle Pond well has elevated levels of Fe, Mn, and PFAS above the regulatory limits. This is the Town's largest source of water and can only currently be operated through blending. The existing Spectacle Pond WTP is outdated and in need of repair. The Whitcomb Avenue wells also have elevated levels of Fe and Mn and detectable levels of PFAS.

Lowell

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-21-14	\$1,512,499	\$6,344,000

Transmission Main Connection

The City of Lowell's Transmission Main Connection project involves installation of approximately 4,000 linear feet (LF) of transmission main as an extension to a previously installed water main needed to provide redundancy from the Water Treatment Facility to the existing distribution system.

Mansfield

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-21-02	\$909,165	\$4,545,824

Cate Springs Well PFAS Treatment System

The Town of Mansfield's Cate Springs Well PFAS treatment system project involves constructing a PFAS removal treatment system including granular activated carbon (GAC) pressure vessels at the Cate Springs Well site. The proposed system will include 4-6 GAC pressure vessels and all appurtenant piping and valves. The treatment process will include piping modifications, upgrades to the existing building at the site (currently utilized for hydrant, valve, and other parts inventory storage) including associated electrical, lighting and HVAC systems necessary for the new treatment system. Instrumentation and controls system upgrades will be included to ensure the new system is fully integrated into the existing treatment process which currently includes only chemical addition treatment.

MDF A

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-21-05	\$27,300,000	\$5,460,000

Devens WTP Project

The project consists of constructing two 1.44 million gallons per day (MGD) water treatment plants (WTPs) for iron and manganese removal and PFAS treatment for Devens' existing Patton and Shabokin wells. The project includes a GreensandPlus pressure filtration system, granular activated carbon filters, ion exchange contact chambers, chemical feed systems, backwash recycling system, settled solids waste system, baffled clearwell and ancillary equipment and controls at both WTPs. Also included is construction of a new finished water main for the Patton WTP, new raw water and finished water mains for the Shabokin WTP, and site restoration and miscellaneous work and cleanup necessary to provide complete and fully operational water treatment plants.

Natick

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-21-24	\$600,000	\$3,000,000

PFAS Treatment at Springvale WTP

This project is for emergency funding to treat PFAS at the Springvale Water Treatment Plant.

New Bedford

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-21-18	\$1,043,000	\$5,022,975

Braley Station Transmission Main Reinforcement

The Braley Station transmission main Replacement project will replace and reinforce a section of two 100-yearold 48-inch water transmission mains located underneath a Massachusetts Bay Transportation Authority (MBTA) South Coast Rail (SCR) commuter railroad. SCR is currently progressing with construction of a capital improvement project that upgrades rail transit, including track upgrades that crosses over the existing transmission mains. The City is concerned that the track upgrades may have a significant impact on the transmission main, which lacks the reinforcement requirements in accordance with American Railway Engineering and Maintenance-of-Way (AREMA) standards. Failure of the water transmission main will have a public health and safety impact and potentially leave over 100,000 customers without water.

Randolph

Loan Number	Total Loan Forgiveness	Total Loan Amount
DW-21-23	\$1,693,200	\$5,100,000

Tri-Town Regional WTP

The proposed Tri Town Regional Water Treatment Plant (TTRWTP) project would create a regional facility to replace the existing Braintree 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 PFAS, bacteria, carcinogenic compounds, and disinfectant byproducts present in the current systems. The water treatment process would be as follows: (i) Granular activated carbon (GAC) filtration for removal of per- and polyfluoroalkyl substances (PFAS) and smaller, finer solids; (ii) Polymer and PACL addition for coagulation of raw water; and (iii) Dissolved air floatation (DAF) for removal of larger, coagulated solids- Chlorine addition for disinfection and pH adjustment for corrosion control. The new TTRWTP will incorporate improved treatment technology to provide high quality finished water and to maintain distribution system residuals. The regional facility, with a 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.

Springfield Water & Sewer Commission

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-21-03	\$3,006,522	\$11,573,681

Clearwell and Backwash Pump Station Replacement

A new 1 million-gallon clearwell and associated backwash pump station will replace old, failing facilities that are needed to maintain reliable operation of the 60 million gallons per day (MGD) water production. The failing facilities are adversely impacting water quality being produced, contributing to maximum contamination level exceedances of haloacetic acids that has resulted in non-compliance with the Stage 2 Disinfection By-Products Rule.

Westfield

Loan Number	Total Loan Forgiveness	Total Loan Amount
DWP-21-06	\$5,901,325	\$15,548,617

Dry Bridge Road PFAS WTP

The City of Westfield's Dry Bridge Road PFAS WTP project includes construction of a new treatment plant with four granular activated carbon (GAC) contactors and three chemical storage and feed systems, upgrades to Wells 1 and 2, interconnecting raw water pipelines from the wells 1, and installation of a new treated water main from the WTP to the distribution system. This project will allow Westfield to reduce PFAS found within its drinking water sources below levels of concern. PFASs have been detected in the City of Westfield's production Wells 1, 2, 7, and 8. Westfield has recently constructed a treatment facility at Wells 7 and 8.