

Project Descriptions for August 3, 2022

Board of Trustees Meeting

Asset Management Planning Commitment

Acton CW-22-11

The Town of Acton seeks to develop a Stormwater Drainage System Asset Management Plan (AMP) that includes a Sewer Fiscal Sustainability Plan. The AMP will serve as the basis for a comprehensive stormwater management program that outlines culvert and other stormwater collection system needs.

Clean Water Commitments

Taunton CW-21-43

The City of Taunton's Phase 2 of the WWTF Upgrade project consists of a complete upgrade of the Taunton Wastewater Treatment Facility (WWTF). Improvements to the WWTF are required to meet the requirements of the new NPDES discharge permit. This phase will increase the level of treatment at the WWTF for Total Nitrogen removal.

Taunton CW-21-44

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.

Lead Service Line Planning Program Commitment

Fall River DW-22-12

The scope of this project is to facilitate the City's ongoing lead service line (LSL) inventory and LSL replacement by development of a full electronic service line inventory database, development of a revised lead service line replacement plan and in-home inspections. The goals of this project are to expand the City's current electronic database for all services within its service area to be in compliance with future Lead and Copper Rule Revision (LCRR) inventory requirements, develop a realistic and suitable lead service line replacement plan that meets regulatory requirements, and verify material composition of services within the City's inventory.

Drinking Water Commitments

Fall River DW-22-11

The City of Fall River seeks financial assistance to 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 funded through CWSRF 6762.

New Bedford DW-21-18

The Braley Station Transmission Main Replacement Project will replace and reinforce a section of two 100-year-old 48-inch water transmission mains located underneath a MBTA SCR commuter railroad. SCR is currently progressing with construction of a capital improvement project that upgrades rail transit, including track upgrades that cross 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 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.

Asset Management Planning Agreement**Acton CWA-22-11**

The Town of Acton seeks to develop a Stormwater Drainage System Asset Management Plan (AMP) that includes a Sewer Fiscal Sustainability Plan. The AMP will serve as the basis for a comprehensive stormwater management program that outlines culvert and other stormwater collection system needs.

Clean Water Agreements**Bridgewater CWP-21-32**

The Town of Bridgewater's WWTF Phase I Upgrades 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 as stipulated in the current NPDES permit and ACO issued by the EPA and DEP. The new processes include among others, additional 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.

Bridgewater CWP-21-32-A

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Chatham CW-21-38

The Town of Chatham's project, as a component of Chatham's Comprehensive Wastewater Management Plan, is intended to improve the water quality in coastal receiving water by reducing the amount of untreated stormwater runoff that reaches various receiving waters. 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.

Fall River CWP-21-50

The City of Fall River's project includes full replacement with a submersible pump station, a building to house the generator, electrical equipment and controls, a new 12" force main and lining of 1,500 LF of poorly performing vitrified clay sewer. The project will include an essential water booster pump station on the same parcel, presented in DWSRF PEF 6763. Constructed in 1970 to serve the Fall River Industrial Park and the northeast section of Fall River, the Wilson Road Sewer Pump Station is at the end of its service life and it has insufficient capacity to handle existing wet weather flows and the projected future flows from expansion planned in the Industrial Park.

Revere CWP-21-35

The City of Revere's Phase 12 Construction Project will include 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 12 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 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, new sewer lines, cleaning, and additional wastewater metering.

Revere CWP-21-35-A

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Taunton CWP-20-21

This project is part of a complete upgrade of the Taunton Wastewater Treatment Facility (WWTF) that are necessary to meet the requirements of the new NPDES discharge permit. The facility will expand hydraulically to reduce combined sewer overflows. This project encompasses Solids Handling improvements.

Taunton CWP-21-43

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Drinking Water Agreements

Dudley DWP-20-25

This project will allow Dudley to meet maximum-day demands and provide redundancy by connecting a replacement well at pump station 1. This project also includes replacement of approximately 8,600 linear feet of asbestos concrete water mains and the rehabilitation of 2 water storage tanks per MassDEP's recommendations noted in the 2017 sanitary survey.

Fall River DWP-22-11

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