

Project Descriptions for March 4, 2020

Board of Trustees Meeting

Clean Water Commitments

Lowell CW-16-15

This project implements improvements to the wastewater treatment facility (WWTF) as part of an ongoing phased implementation program. The focus of the work includes equipment in the WWTF and six wastewater pumping stations, which have outlived their expected service life and are no longer reliable. The improvements to be implemented under this Capital Improvements Program will address equipment life-cycle and maintenance requirements and will improve overall reliability for treatment of sewage and wet weather flow.

MWRA CW-19-52

This project involves the design, construction administration, and resident engineering/inspection services for the inspection/evaluation and rehabilitation of approximately 6,500 feet of the Dorchester Interceptor Sewer (DIS), and associated manholes. The DIS (sections 240/241/242) was constructed in 1895 and is an irregular shaped brick sewer. Recent inspections have revealed many structural and non-structural deficiencies in the 120 year old sewer including cracked, broken and deformed pipe, numerous areas of heavy root intrusion and light to heavy infiltration.

Springfield Water & Sewer Commission CW-18-18

Consistent with the Commission's Integrated Wastewater Plan, the York Street Pump Station and Connecticut River Crossing Project will increase the wet weather flow to the Springfield Regional Wastewater Treatment Facility (SRWTF), substantially reducing the volume and frequency of combined sewer overflow events from multiple CSO regulators across the Connecticut River CSO system. The Project includes a new 62 MGD wastewater pumping station and screening facility, 3 new pipes crossing under the Connecticut River to the SRWTF, and modification to the SRWTF Influent Structure.

Drinking Water Commitment

Pepperell DW-19-10

This project includes the construction of a new water treatment facility (WTF) and water mains to connect to the existing distribution system. The new WTF will include a GreensandPlus™ filtration system, two backwash waste basins, and replacement of existing well pumps. The completed project will improve drinking water quality by reducing high manganese and iron concentrations.

Lawrence Emergency Clean Water Agreements

Lawrence CWP-19-06

This project will rehabilitate and replace sewer system defects, and operational and maintenance issues identified in the 2017 SSES report. The sewer and drainage system improvements will address structural pipe failures, reduce infiltration and inflow sources, and abate illicit cross-connections to the MS4 areas.

Lawrence CWP-19-06-A

This project will rehabilitate and replace sewer system defects, and operational and maintenance issues identified in the 2017 SSES report. The sewer and drainage system improvements will address structural pipe failures, reduce infiltration and inflow sources, and abate illicit cross-connections to the MS4 areas.

Clean Water Agreements

Hull CWP-18-29

Hull is completing a CMOM, under AOC (Docket CWA-01-AO-16-09), which identified a number of upgrades that are in order. In addition, the Town completed a Fiscal Sustainability Plan (FSP) in June 2017, which prioritized facility/wastewater system upgrades. This project addresses the Year One Upgrades that includes three construction contracts. These Year One contracts were deemed an extreme risk to the system and a priority for immediate attention due to age, historic failure histories, impacts to the wastewater operations and cost benefit analyses of repair/replacement. The construction project includes Contract No. 1 Sewer Interceptor Pipeline Renewal, Contract No. 2 Atlantic Avenue/Gunrock Area Sewer Infrastructure Renewal, and Contract No. 3 Critical Replacements at POTW contracts.

Lowell CWP-16-15-B

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MWRA CW-19-52

This project involves the design, construction administration, and resident engineering/inspection services for the inspection/evaluation and rehabilitation of approximately 6,500 feet of the Dorchester Interceptor Sewer (DIS), and associated manholes. The DIS (sections 240/241/242) was constructed in 1895 and is an irregular shaped brick sewer. Recent inspections have revealed many structural and non-structural deficiencies in the 120 year old sewer including cracked, broken and deformed pipe, numerous areas of heavy root intrusion and light to heavy infiltration.

New Bedford CW-18-31

The Wastewater Treatment Plant Facilities Plan will provide a road map for what improvements need to be made in each of the different process areas as well as those required to meet more stringent treatment limits expected within the NPDES permit.

Revere CWP-17-27-A

The Phase VIII Construction Project will include the removal of inflow/infiltration (I/I) from the City's sewer system. Infiltration and inflow contributes excess volume to the sanitary sewer, which contributes to overflows and capacity issues. Construction will include the redirection of public and private inflow sources discovered during Phase VIII Field Investigations, Illicit Discharge Detection and Elimination (IDDE) source removal, and drainage improvements. Construction will also include pump station improvements (both stormwater and wastewater), CIPP (Cured in Place Pipe) lining, sewer spot repairs, replacements, new sewer lines, cleaning, and additional wastewater metering.

Springfield Water & Sewer Commission CWP-18-18

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Drinking Water Agreement**Pepperell DWP-19-10**

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