

Project Descriptions for May 5, 2021

Board of Trustees Meeting

Clean Water Commitments

Leominster CW-19-26

This is a nutrient removal project that consists of an evaluation of Leominster's Water Pollution Control Facility's (WPCF) aeration and secondary clarifier systems. All systems will be upgraded with new premium motors equipped with VFDs for optimum efficiency. A new DO control system and SCADA upgrades will be installed to maintain proper DO levels in the aeration basin to facilitate aeration zones and increase nutrient removal.

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 Commitments

Littleton DW-21-01

The Town of Littleton's Fe, Mn, and PFAS Water Treatment Plant project includes installation of piping water from Spectacle Pond to Whitcomb Ave and a new combined Water Treatment Plant (WTP), rather than two separate WTPs at Spectacle Pond and Whitcomb Ave. The WTP will include biological filtration for Fe and Mn removal and GAC filters for PFAS removal. The two largest source waters operated by the Littleton Water Department 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 LWD's largest source 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 The existing Spectacle Pond WTP is outdated and in need of repair.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.

Clean Water Agreements

Leominster CWP-19-26

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New Bedford CWP-20-22

The Wastewater Collection System Improvements project includes several improvements to the City's infrastructure. Projects include an interceptor and collector sewer rehabilitation program, an SSES for high priority areas, a lateral sewer rehabilitation program and a sewer separation project. The progression of these programs will further the City's progressive efforts to dramatically lessen or eliminate I/I issues, reduce CSOs, reinforce the critical components of the city's sewer system, address CMOM and regulatory requirements, and eliminate illicit discharges. These programs will address needs identified in the City's Integrated Plan. Please refer to the narrative for additional information.

New Bedford CWP-20-22-A

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Springfield Water & Sewer Commission CWP-18-18-B

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Springfield Water & Sewer Commission CWP-18-18-C

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Drinking Water Agreements**Deerfield Fire District DWP-20-09**

The project consists of replacement of approximately 3,800 feet of existing water main on Greenfield Road to address water quality complaints from aged, heavily tuberculated water mains. The project includes replacement of 25 existing lead goose necks on service lines.

Dracut Water Supply District DWP-20-18

This project is intended to reduce iron and manganese levels in the Dracut Water Supply District's Tyngsborough wells to below the SMCL and ORSG limits. The project also includes a new sole transmission main and a water storage tank to increase capacity to meet current demands and create redundancy.

Holyoke DWP-20-11

This project includes replacement of approximately 6,000 feet of cast iron, undersized (4-inch and 6- inch) and aging (100+ years old) water main in downtown Holyoke. This work is Phase 2A of Holyoke Water Works Capital Improvement Plan to address high priority water main replacements. The work is also in coordination with the City's CSO Abatement Project happening in the same area. The proposed replacement will improve redundancy and reliability of the water distribution system.