Project Descriptions for April 5, 2023

Board of Trustees Meeting

Lead Service Line Planning Program Commitments

Ayer DW-22-24
Project to complete a lead service line inventory and develop a replacement program for the Town of Ayer DPW Water Division with the aide of an Engineering Firm.

Brookline DW-23-14
The Town of Brookline is creating an electronic water service line inventory to meet the requirement to have it publicly available and to help plan for future lead service line replacement efforts. The available records will be inventoried, then added to the Town's existing GIS. A technical memorandum will be provided at the end of the project summarizing inventory efforts and potential next steps.

Cheshire DW-23-24
This project includes the evaluation and development of a Lead Service Line (LSL) replacement plan for utility and customer side service line materials connected to the Cheshire water distribution system in order to meet the 2021 Lead and Copper Rule Revision (LCRR) issued by the EPA. The project is divided into two phases: Phase 1- Initial Water Service Inventory Development and Phase 2- Lead Service Line Replacement Plan. Tasks for Phase I include a review of current water distribution data, field investigations to verify service line materials, and the finalization of an initial inventory. During Phase 2, Engineers will work closely with the Town to produce a LSL replacement plan. The plan will include a procedure for conducting replacements and a funding strategy.

Dudley DW-23-21
This project includes the evaluation and development of a Lead Service Line (LSL) replacement plan for utility and customer side service line materials connected to the Dudley water distribution system in order to meet the 2021 Lead and Copper Rule Revision (LCRR) issued by the EPA. The project is divided into two phases: Phase 1- Initial Water Service Inventory Development and Phase 2- Lead Service Line Replacement Plan. Tasks for Phase I include a review of current water distribution data, field investigations to verify service line materials, and the finalization of an initial inventory. During Phase 2, Engineers will work closely with the Town to produce a LSL replacement plan. The plan will include a procedure for conducting replacements and a funding strategy. To comply with the LCRR requirements, this work must be complete by October 2024.

East Longmeadow DW-23-13
This project includes the evaluation and development of a Lead Service Line (LSL) replacement plan for utility and customer side service line materials connected to the East Longmeadow water distribution system in order to meet the 2021 Lead and Copper Rule Revision (LCRR) issued by the EPA. The project is divided into two phases: Phase 1- Initial Water Service Inventory Development and Phase 2- Lead Service Line Replacement Plan. Tasks for Phase I include a review of current water distribution data, field investigations to verify service line materials, and the finalization of an initial inventory. During Phase 2, Engineers will work closely with the Town to produce a LSL replacement plan. The plan will include a procedure for conducting replacements and a funding strategy.

Marion DW-23-17
The work of this project generally consists of preparing a comprehensive Lead Service Line Inventory and database for both the public and private portions of water service lines that will be made publicly available. The database will be built using available digital and paper records, MassGIS database, assessors database, and based on information included in the EPA's Service Line Inventory Guidance. A list of unknown service lists will be created with associated high, medium, and low probability of lead rankings. Schedule and conduct up to 150 home inspections focusing on locations determined to have a high probability of lead.

Methuen DW-23-22
The Work will include development of an electronic database or inventory of water service lines in accordance with LCRR's and MassDEP's inventory templates, development of a Lead Service Line inventory tool to publicly display mapping of the inventory, provide updates to the City's existing water system GIS, and performing in-home inspections to verify service line materials.

Ware DW-23-20
This project includes the evaluation and development of a Lead Service Line (LSL) replacement plan for utility and customer side service line materials connected to the Ware water distribution system in order to meet the 2021 Lead and Copper Rule Revision (LCRR) issued by the EPA. The project is divided into two phases: Phase 1- Initial Water Service Inventory Development and Phase 2- Lead Service Line Replacement Plan. Tasks for Phase I include a review of current water distribution data, field investigations to verify service line materials, and the finalization of an initial inventory. During Phase 2, Engineers will work closely with the Town to produce a LSL replacement plan. The plan will include a procedure for conducting replacements and a funding strategy.

Winchester DW-23-19
The Town of Winchester is creating an electronic water service line inventory to meet the requirement to have it publicly available and to help plan for future replacement efforts. The available records will be digitized, inventoried, then added to the Town's existing GIS. A technical memorandum will be provided at the end of the project summarizing inventory efforts and next steps, including potential notification/replacement strategies.

Community Septic Management Program Commitment

Marion CW-23-02
Community Septic Management Program

Drinking Water Commitments

Abington DW-22-23
The Abington-Rockland Joint Water Works' project includes the construction of permanent PFAS treatment solutions at the Hannigan and Myers Avenue WTPs. Currently the ARJWW is depending on temporary PFAS treatment at both plants in the form of a retrofitted GAC pressure filter at Myers Avenue and injected PAC slurry in the raw water at Hannigan. Permanent solutions are needed by the Joint Water Works and required by the state. In addition to PFAS treatment, much needed plant upgrades are required which include a new filter building with redundancy to replace the single ABW filter at Hannigan WTP and capacity improvements at Myers Avenue including installation of a new clearwell, filter backwash pumps, finished water pumps and reactivation of Well No. 4 at Myers Avenue WTP.

Amherst DW-22-15
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.

Rockland DW-22-67
The Abington-Rockland Joint Water Works' project includes the construction of permanent PFAS treatment solutions at the Hannigan and Myers Avenue WTPs. Currently the ARJWW is depending on temporary PFAS treatment at both plants in the form of a retrofitted GAC pressure filter at Myers Avenue and injected PAC slurry in the raw water at Hannigan. Permanent solutions are needed by the Joint Water Works and required by the state. In addition to PFAS treatment, much needed plant upgrades are required which include a new filter building with redundancy to replace the single ABW filter at Hannigan WTP and capacity improvements at Myers Avenue including installation of a new clearwell, filter backwash pumps, finished water pumps and reactivation of Well No. 4 at Myers Avenue WTP.

Winthrop DW-22-35
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.

Yarmouth DW-23-18
This Project will install a package drinking water treatment system to remove PFAS to below the maximum contaminant limit for two of Yarmouth's wells. Treatment for the wells is necessary for Yarmouth to provide adequate supply capacity and redundancy within the drinking water system to meet the variable summertime high demands and restore the 864,000 gallons per day of capacity. The proposed treatment solutions will include greensand pre-filters for removal or iron and manganese and ion exchange system to adsorb and remove PFAS, along with associated site work to accept the treatment units.

Lead Service Line Planning Program Grant Agreements

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Wayland DWL-22-65
The Town of Wayland seeks to improve the Town’s LSL inventory, provide customer outreach, and create an LSL Replacement Plan. The oldest portions of the Town of Wayland water system date to around the early 1900s. It is suspected that lead water service lines are still present in Wayland, primarily on the customer side. The Town has documented inventory of Town-owned portion of service lines, and customer-side documentation is partially

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Community Septic Management Program Agreement

Marion CWT-23-02
Community Septic Management Program

Drinking Water Agreements

Amherst DWP-22-15
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.

Burlington DW-22-03
The Town of Burlington seeks to construct a new system at the Mill Pond Treatment Plant to remove or mitigate existing P-FAS concentrations within the Town of Burlington's water supply system.

Winthrop DWP-22-35
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.

Clean Water Agreement

New Bedford CW-22-61
The City of New Bedford seeks to complete the first phase of a sewer system evaluation survey (SSES). The SSES will include flow isolation, manhole inspections, cleaning and television inspection, smoke testing and dye testing in 3 high priority areas and CSO Group 1. Findings will provide a basis for specific improvements aimed at removing infiltration and inflow (I/I) and reducing combined sewer overflows (CSOs).