Project Descriptions for March 6, 2023

Board of Trustees Meeting

Lead Service Line Planning Program Commitments

Avon DW-23-10

The work of this project generally consists of the collection of available records of both utility and privately owned sides of the service line, creation of the lead service inventory database, creation of a list of addresses that have unknown service line materials, identify up to 200 properties for a home inspection to confirm/verify service line material of either side of the meter, replace meter, and collect GPS data point for the location of curb property's curb stop, update a GIS shapefile with the LSL database, and notifying property owners of those whose property's have a service line categorized as lead, galvanized requiring replacement, or unknown material.

Haverhill DW-23-11

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, work in conjunction with the City's asset management platform to develop a simple but effective tool to capture service line information during water meter changeouts and perform system wide inspections to verify material composition of services within the City's inventory.

Lanesborough Fire and Water District DW-23-08

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 Lanesborough Village Fire and Water (LVFWD) 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 District to produce a LSL replacement plan. The plan will include a procedure for conducting replacements and a funding strategy.

Lynn Water and Sewer Commission DW-23-09

This project entails developing a service line inventory for the Commission's approximately 21,906 service lines by gathering, reviewing, and compiling the Commission's existing electronic service line material information. In addition to developing the inventory, public outreach documents to be issued to residents informing them of the MassDEP's online portal as well as a GIS layer for the lead service lines will also be created during this project. The required Lead Service Line Replacement Program Plan will also be developed. The inventory and plan are necessary to meet the requirements under the EPA's new Lead and Copper Rule Revisions which requires community water systems and non-transient non-community water systems throughout the United States to conduct an inventory of service lines and determine the material of those lines and fittings regardless of ownership and develop a Lead Service Line Replacement Program Plan.

Lead Service Line Planning Program Agreements

Avon DWL-23-10

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Clean Water Agreement

Barnstable CWP-20-23

The Strawberry Hill Road Sewer Expansion Project will install approximately 19,000 LF of gravity sewer, 9,300 LF of sewer force main and 1 new pump station. The project will provide a significant portion of the sewer infrastructure needed to address the wastewater needs of the Centerville River Watershed. The project is identified in the Town's Wastewater Plan.

The project involves the installation of sewer infrastructure to accommodate future sewer expansion identified in the Town's wastewater plan. The scope of work will include the installation of gravity sewer along Route 28, a sewer force main in Yarmouth Road will connect the future "Old Yarmouth Road" sewer expansion to the existing collection system and multiple force mains within Route 28.

Barnstable has 27 wastewater pump stations and many of them have equipment that is well over its useful life and requires replacement to prevent anticipated major failures and impacts to public health and the environment. Pump station improvement projects over the next 20 years were identified in the Asset Management Plan. Several factors contributed to the recommendations for improvements in year 1 including the end of service life (useful life) of equipment, coastal resiliency, and energy improvements/electrical upgrades.

This project includes upgrades and modifications to the existing WPCF. These improvements include the addition of two gravity belt thickening units as well as the replacement of other aged systems that have exceeded their useful life. The project seeks to replace or rehabilitate sludge pumps, dry polymer system, sludge holding tanks and blowers, odor control system, instrumentation systems, and other architectural and mechanical systems.