

## **Project Descriptions for February 9, 2021**

### **Board of Trustees Meeting**

#### **Clean Water Commitments**

##### **Gloucester CW-19-37**

Various improvements are necessary at the Gloucester's Water Pollution Control Facility (WPCF or wastewater treatment plant) include the following: Replacement of the Sodium Hypochlorite Disinfection System: The original system in place since 1985 is operational; however, one of the two 4,000 gallon storage tanks leaks and has been taken out of operation. Some of the improvements include: Gravity thickener flow meters (2): New flow meters are to be added to aid in plant operation by quantifying sludge removal efficiencies and plant loadings; New SCADA node industrial computer & rotary press software: Sludge piping replacement; Bathroom vent line replacement; and Chlorine contact chamber drain line valve (2) replacement.

##### **Leverett CW-20-07**

The Town of Leverett, a town of 1,800 residents, plans to connect approximately one dozen houses, that are downgradient of the contaminant plume that extends from the closed and capped Leverett Landfill, to the Town of Amherst public water supply as a permanent solution to this longer term public health and housing problem. Leverett has secured Small Town Housing Choice funds to generate plans and design for the project.

#### **Clean Water Agreements**

##### **Gloucester CWP-19-37**

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##### **Lawrence CWP-18-09**

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

##### **Nantucket CW-19-32**

This project involves the upgrade of the Surfside Road Pump Station and the replacement of approximately 5,400 linear feet of existing gravity sewers tributary to the Surfside Road Pump Station. The purpose of the collection system improvements project is to provide adequate downstream capacity for the sewer expansions needs areas identification in the approved 2014 CWMP Update.

## **Drinking Water Agreement**

### **Barnstable Fire District DWP-20-30**

As a temporary solution, BFDWD is currently blending water sources to maintain PFAS concentrations below 20 ppt in the water supply. In addition, to meet seasonal water demands and to aid in maintaining PFAS levels below 20 ppt in the blended water, BFDWD is proposing the interim rehabilitation of Well Pump Station 1, which is currently offline and does not contain PFAS compounds. This work is expected to be completed in one year at an estimated cost of approximately \$1.5 million.