

## **Project Descriptions for August 4, 2021**

### **Board of Trustees Meeting**

#### **Asset Management Planning Commitment**

##### **Westborough CW-21-08**

The Town of Westborough will prepare an Asset Management Plan to inventory and assess the current state of the Town's culvert and stormwater collection system assets; assist the Town in updating GIS; evaluate the level of service in terms of quality, quantity, reliability and environmental standards, identify assets critical to sustaining system performance; quantify minimum life cycle costs for critical assets, operation and maintenance; and determine a long-term funding strategy to ensure high-level performance.

#### **Community Septic Management Program Commitment**

##### **Easton CW-21-10**

Community Septic Management Program

### **Clean Water Commitments**

##### **Barnstable CW-20-43**

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

##### **Fall River CW-21-06**

The City of Fall River's Wastewater Treatment Facility (WWTF) Improvements project is the second phase of a complete WWTF rehabilitation/upgrade for reliable NPDES compliance and to address water quality and public health and safety issues.

##### **Fitchburg CW-21-07**

The City of Fitchburg will conduct a combined sewer separation and sewer system evaluation survey (SSES) planning project that involves the investigation of an estimated 27,600 linear feet (LF) of combined sewers and an estimated 33,000 LF of sanitary sewers. Investigations will include manhole/catch basin inspections, cleaning and television inspections, smoke/dye testing, and building inspections. The planning phase of this project will identify rehabilitation options to remove I/I and structural defects in both the sanitary and combined sewers (which will be converted to drains during the future sewer separation work).

## **Drinking Water Commitments**

### **East Brookfield DW-20-22**

This project consists of the replacement of an old and severely tuberculated water main which resulted in high head loss and discolored water. There will be several small upgrades to the sole water supply including a VFD, flow meter, and back-up generator to ensure safe and reliable water supply.

### **Massachusetts Development Finance Agency DW-21-05**

The Town of Devens' Water Treatment Plant project consists of constructing two 1.44 MGD water treatment plants (WTPs) for iron and manganese removal and PFAS treatment for Devens' existing Patton and Shabokin wells. The project includes a GreensandPlus™ pressure filtration system, Granular Activated Carbon filters, Ion Exchange contact chambers, chemical feed systems, backwash recycling system, settled solids waste system, baffled clearwell and ancillary equipment and controls at both WTPs. Also included is construction of a new finished water main for the Patton WTP, new raw water and finished water mains for the Shabokin WTP, and site restoration and miscellaneous work and cleanup necessary to provide complete and fully operational water treatment plants.

### **West Boylston Water District of West Boylston DW-20-17**

The project is crucial for protecting public health in the Town of West Boylston. The project consists of a new water treatment facility to reduce manganese concentrations to acceptable levels from the Oakdale Well. The new treatment will lower manganese levels (presently above the MassDEP Health Advisory Level of 0.3 mg/L which is the level associated with potential health implications) to below the SMCL of 0.5 mg/L. The treatment facility will consist of a pressure filtration system (GreensandPlus media) with sodium hypochlorite feed system to oxidize the manganese.

## **Asset Management Planning Grant Agreement**

### **Westborough CWA-21-08**

The Town of Westborough will prepare an Asset Management Plan to inventory and assess the current state of the Town's culvert and stormwater collection system assets; assist the Town in updating GIS; evaluate the level of service in terms of quality, quantity, reliability and environmental standards, identify assets critical to sustaining system performance; quantify minimum life cycle costs for critical assets, operation and maintenance; and determine a long-term funding strategy to ensure high-level performance.

## **Community Septic Management Program Agreement**

### **Easton CWT-21-10**

Community Septic Management Program

## **Clean Water Agreements**

### **Barnstable CWP-20-43**

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

### **Barnstable CWP-20-43-A**

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

### **Barnstable County CWP-20-44**

The County is proposing to construct a capping system and stormwater improvements to reduce infiltration from stormwater and runoff into PFAS-contaminated soil at the Barnstable County Fire and Rescue Training Academy (BCFRTA) facility, and thereby mitigate leaching of PFAS from soil to the underlying groundwater located within the Zone II of several Hyannis municipal wells.

### **Fall River CWP-21-06**

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## **Drinking Water Agreements**

### **East Brookfield DWP-20-22**

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### **Fall River DWP-19-14**

This project includes the City of Fall River's cast iron water main and lead service replacement program. The Phase 19 water main improvements include the rehabilitation or replacement of approximately 11,390 linear feet of cast iron water mains and lead services. To provide safe and reliable drinking water to customers of the City of Fall River.

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