

## **Project Descriptions for September 11, 2019**

### **Board of Trustees Meeting**

#### **Asset Management Program Grant Commitments**

##### **Gardner CW-19-18**

The Gardner DPW, is proposing to prepare a Capital Improvements and Asset Management Plan for the existing water, wastewater, and stormwater systems. The purpose of the plan is to develop a complete inventory of all assets with replacement costs and useful life to assist the DPW in identifying areas in need of rehabilitation, repair, or replacement and prioritize improvements to make the most efficient use of the DPW's budget.

##### **Medford CW-19-19**

The City of Medford currently manages capital improvements of drinking water, sewer, and stormwater infrastructure using different applications, personnel, and budgets. This decentralization of resources is becoming burdensome for the City, and it is motivating the City to implement an integrated approach to asset management. Through this grant program, the City will accomplish its goals by:

- Collecting inventory and condition data drinking water, wastewater, and stormwater systems
- Prioritizing renewal and replacement needs holistically
- Developing an objective method of managing infrastructure formalized through its AMP
- Implementing and providing training on asset management software

##### **New Bedford CW-19-17**

There is still much work to be completed to the City's AMP including getting in-place system(s) up and running to their full capabilities that can be used to develop and implement an AMP. Specifically, the City has identified a number of activities needed to strengthen their AMP including completing the GIS network, developing a 5/10 yr CIP based on inspection data and criticality of the asset, updating its sewer/water rate models, implementing a public outreach campaign, continued LUCITY updates, and completing IT infrastructure upgrades. These tasks are vital to the City's asset management vision and desire to be a national leader in proactive asset management approaches and technologies.

##### **Canton DW-19-08**

The Town of Canton's Department of Public Works is implementing an asset management program (AMP) for its water, sewer, and stormwater assets. The implementation of this program presented challenges in the face of Town staff shortages and existing asset management software which did not meet its needs. The Town recently began transitioning to a new software, Cityworks. An investment by the Trust through this Grant will support Canton fully implement its asset management program. Funding is sought to collect inventory data, conduct field condition assessments, develop a priority list of assets, assess impacts on rates, and configure and provide training on asset management software.

## **Clean Water Commitment**

### **Haverhill CW-19-12**

The CSO Control Plan for the Locke Street CSO Area is part of Haverhill's 2017 Integrated FLTCP and 2016 Consent Decree. The project will complete comprehensive system characterization, alternatives development and analyses, and report preparation to identify the best approach (either sewer separation, satellite storage, or green infrastructure) for control of the largest three CSOs that will be left in the combined sewer system (Winter Street, Winter and Hale, and Center Barrel). Ultimately, the recommendation from this plan will be designed and constructed in a future project(s) and will reduce CSO discharges to the Little River and Merrimack River.

## **Asset Management Program Grant Agreements**

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## **Lawrence Emergency Drinking Water Agreement**

### **Lawrence DWP-19-03**

This project will replace approximately 8,800 linear feet of undersized, unlined water main and 6 associated lead service lines. It will also establish redundancy for a portion of South Lawrence through installation of a 20-inch river crossing.