



Department of Environmental Protection

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Water Asset Management Plan Grant Program

General

MassDEP manages the Water Infrastructure Asset Management Plans (AMP) grant program, which helps public entities to prepare asset management plans for existing equipment owned by drinking water, wastewater or storm water systems. Up to \$ 400,000 has been available for the last several fiscal years, funding about ten awards each year. The AMP assessment inventories infrastructure assets and determines condition. That data is used to establish the criticality of the equipment by rating the likelihood of failure and the consequence to the community of that failure. Communities can subsequently plan investments in the system to occur before the failure of its highest priority assets. In addition, the Plan sets up a timeline for regular equipment replacement based on its useful life. Finally, AMPs create a basis for discussion of the appropriate adjustment to water rates, sufficient to providing an annual investment in the system to keep it well-functioning.

The following are the grant recipients for Round 4 (FY18).

Brockton \$ 40,000.00

The City will inventory the drinking water systems water treatment, storage tanks and pumping station facilities. Risk analysis will be determined and an asset management plan that will be incorporated into the existing data base system.

Clinton \$ 40,000.00

Clinton's sewer system will have a complete inventory compiled and entered into EPA's CUPSS software program. A complete asset management plan will be prepared and training provided for the staff to enter relevant equipment data.

Easton \$ 32,000.00

The Town has a newly-constructed wastewater treatment and distribution system and will utilize the grant to develop a complete asset management plan that includes tracking and

criticality. A complete inventory will be compiled and a software program will be developed to track all wastewater assets for regular maintenance.

Haverhill \$ 40,000.00

In collaboration with a CMOM (capacity, management, operation and maintenance) corrective action plan, the City will outline wastewater treatment facility assets and develop a complete inventory that will include criticality.

Leicester and Hillcrest Water District \$ 40,000.00

A drinking water asset management plan for the Leicester and Hillcrest Water Districts will be completed that will outline inventory, criticality and software, utilizing EPA's CUPSS program. A written implementation plan will be provided along with an outline of costs associated with regular asset maintenance.

New Bedford \$ 40,000.00

A drinking water plan will be developed to address three areas that need buttressing, and will include transfer of asset information to the City's GIS computer system for 25,000 water connections and accompanying drinking water facility information. Tablets for entering data will be provided along with training as part of the grant.

North Sagamore Water District \$40,000

The drinking water asset management plan will inventory, determined criticality, map through GIS, and enter information into EPA's CUPSS software system, providing the water district with a complete written implementation plan to start a critical maintenance program.

Turners Falls \$ 40,000.00

The Water Department will prepare a drinking water asset management plan which will concentrate on determining water main inventory and internal and external conditions. Based on this determination, a numeric rating system will be completed and a priority list of repairs and replacement will be provided for the Town to develop a capital improvements list.

Wareham Fire District \$ 40,000.00

The Fire District is completing an exhaustive asset management project, and this phase will involve determining water main thicknesses through echo-technology. Although this type of technology is new to determining internal conditions of older water mains, the grant will provide a solid basis for development of a water main replacement program.

Wayland \$ 36,000.00

The Town Water Department completed a Capital Efficiency Plan that evaluated the water main hydraulic condition. This asset management plan will complete an inventory of the remaining water works system, and utilize EPA's CUPSS software system to provide asset information so that regular maintenance replacement work can be completed in a timely manner.