Project Descriptions for December 2, 2020

Board of Trustees Meeting

Asset Management Program Commitments

Dalton Fire District DW-20-27
The Dalton Fire District will develop a GIS-based Asset Management Plan (AMP) to generate an operations and maintenance schedule and create a risk-based capital improvements plan that will be supported by the rate structure. The District has limited inventory information. The AMP will develop a Waterworks Facilities Master Plan identifying critical projects and prepare a rate study to generate necessary revenue to complete the projects.

Fall River CW-20-26
This asset management project will conduct an asset inventory, condition assessment, criticality/risk evaluation of the City's wastewater treatment facility. The information gathered will be used to develop data driven renewal and replacement decisions and will be imported to the City's integrated (DW, WW, SW) asset management software system.

Fitchburg CW-20-15
The City of Fitchburg (the City) will continue its Asset Management efforts in water, wastewater & stormwater. The City's goal is to create a water system GIS/asset inventory and establish a baseline Level of Service (LOS) for the water system. The city will also continue AM efforts with the stormwater and wastewater systems.

Haverhill CW-20-12
An Asset Management Plan will be prepared to inventory and assess the water distribution, stormwater and wastewater collection system assets; update GIS and link GIS to Utility Cloud, the Computerized Maintenance Management Software (CMMS); 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, operations and maintenance; and determine a long-term funding strategy to ensure high-level performance and pipe integrity.

Palmer CW-20-39
The Town of Palmer will develop an Asset Management Plan (AMP) to perform maintenance operations to provide the desired level of service at the lowest possible cost. The goals of the AMP are to create a risk-based AMP and capital improvement plan methodology, establish stormwater utility guidelines, develop a stormwater map in GIS, estimate the cost of asset maintenance in future years, and finance utility construction projects.

Water Supply District of Acton DW-20-21
The Acton Water District will prepare a comprehensive Asset Management Report (AMR) for drinking water infrastructure. The project will include a comprehensive asset inventory of its vertical and horizontal infrastructure, identification of Level of Service goals, and a criticality/risk analysis for the prioritization of asset replacement. The results will be used to perform funding analysis and review the rate structure based on cost projections and drinking water needs.

Webster DW-20-14
The Webster Water Department (WWD) will prepare a comprehensive Asset Management Report (AMR) for its drinking water infrastructure. This effort will include a comprehensive asset inventory of the vertical and horizontal infrastructure, identification of Level of Service goals, and a criticality/risk analysis for the prioritization of asset replacement. The results will be used to perform a funding analysis and review the rate structure based on cost projections and community needs.

West Springfield CW-20-33
The Town of West Springfield will develop an Asset Management Plan (AMP) to proactively perform maintenance operations to provide the desired level of service at the lowest possible cost. This project is focused on the stormwater conveyance system (piping). The goals of the project are to further develop the stormwater asset inventory, develop hydrologic and hydraulic models, create an AMP and capital improvement planning method, establish stormwater utility guidelines, and estimate the cost of asset maintenance and renewal.

Asset Management Program Agreements

Dalton Fire District DWA-20-27
The Dalton Fire District will develop a GIS-based Asset Management Plan (AMP) to generate an operations and maintenance schedule and create a risk-based capital improvements plan that will be supported by the rate structure. The District has limited inventory information. The AMP will develop a Waterworks Facilities Master Plan identifying critical projects and prepare a rate study to generate necessary revenue to complete the projects.

Fall River CWA-20-26
This asset management project will conduct an asset inventory, condition assessment, criticality/risk evaluation of the City's wastewater treatment facility. The information gathered will be used to develop data driven renewal and replacement decisions and will be imported to the City's integrated (DW, WW, SW) asset management software system.

Fitchburg CWA-20-15
The City of Fitchburg (the City) will continue its Asset Management efforts in water, wastewater & stormwater. The City’s goal is to create a water system GIS/asset inventory and establish a baseline Level of Service (LOS) for the water system. The city will also continue AM efforts with the stormwater and wastewater systems.

Haverhill CWA-20-12
An Asset Management Plan will be prepared to inventory and assess the water distribution, stormwater and wastewater collection system assets; update GIS and link GIS to Utility Cloud, the Computerized Maintenance Management Software (CMMS); 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, operations and maintenance; and determine a long-term funding strategy to ensure high-level performance and pipe integrity.

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The Town of Palmer will develop an Asset Management Plan (AMP) to perform maintenance operations to provide the desired level of service at the lowest possible cost. The goals of the AMP are to create a risk-based AMP and capital improvement plan methodology, establish stormwater utility guidelines, develop a stormwater map in GIS, estimate the cost of asset maintenance in future years, and finance utility construction projects.

Water Supply District of Acton DWA-20-21
The Acton Water District will prepare a comprehensive Asset Management Report (AMR) for drinking water infrastructure. The project will include a comprehensive asset inventory of its vertical and horizontal infrastructure, identification of Level of Service goals, and a criticality/risk analysis for the prioritization of asset replacement. The results will be used to perform funding analysis and review the rate structure based on cost projections and drinking water needs.

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The Webster Water Department (WWD) will prepare a comprehensive Asset Management Report (AMR) for its drinking water infrastructure. This effort will include a comprehensive asset inventory of the vertical and horizontal infrastructure, identification of Level of Service goals, and a criticality/risk analysis for the prioritization of asset replacement. The results will be used to perform a funding analysis and review the rate structure based on cost projections and community needs.

West Springfield CWA-20-33
The Town of West Springfield will develop an Asset Management Plan (AMP) to proactively perform maintenance operations to provide the desired level of service at the lowest possible cost. This project is focused on the stormwater conveyance system (piping). The goals of the project are to further develop the stormwater asset inventory, develop hydrologic and hydraulic models, create an AMP and capital improvement planning method, establish stormwater utility guidelines, and estimate the cost of asset maintenance and renewal.

Clean Water Agreement

Fall River CWA-20-26
This asset management project will conduct an asset inventory, condition assessment, criticality/risk evaluation of the City's wastewater treatment facility. The information gathered will be used to develop data driven renewal and replacement decisions and will be imported to the City's integrated (DW, WW, SW) asset management software system.