

Board of Education Capital Plan FY21-FY26

PROJECT TITLE: Tolland High School Boiler Water Filtration System

DATE SUBMITTED: 10/3/2019

DEPARTMENT PROJECT INFORMATION

Department:						
Department Contact:	Peter Sztaba					
Fiscal Year(s) Requested:	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Department Priority:	Critical	High	Medium	Low		
Type of Project:	Vehicle	Equipment	Technology		Facility	Other

PROJECT DESCRIPTION

The Tolland BOE would like to consider the installation of Forsta inline filter system to be installed on its central plant HVAC system at Tolland High School. With the high mineral content of the water being supplied to Tolland High School via the Tolland Water Fund our makeup water for the boilers and chillers is at high risk for corroding HVAC equipment, creating blockages at valves, and creating leaks at joints and other bonding areas. The installation of such a system should help to protect very costly equipment, reduce maintenance and repairs and improve performance of the equipment. To install such a system we have a not to exceed # of \$85,000 for the in-line filter system, control setup, electrical and piping.

PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Major plumbing repairs due to higher than desirable mineral content, reduced efficiency

Cost to Maintain:

Purging and repetitive maintenance

Describe all Benefits and/or Savings:

Improved performance, longer life-span of equipment and piping, reduced repairs, higher efficiency, more water usage

PROJECT BUDGET AND FUNDING SOURCES

Project Cost Summary, Recommended Financing Sources, & Operating Budget Impact

Project Cost Elements	FY 2021	FY 2022	FY 2023	FY 2024	FY2025	FY2026	TOTAL
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Feasibility Study							
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Design - Engineering							
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Site Acquisition							
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Site Improvements							
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Construction							
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Inspection Services							
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Equipment & Furnishings	\$85,000						
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Vehicle Purchase							
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Other							
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Contingency							
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TOTALS		\$85,000					
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Financing Sources

Lease-Purchase							
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Water Enterprise Funds							
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Sewer Enterprise Funds							
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Solid Waste Enterprise Funds							
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Storm Water Enterprise Funds							
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State / Federal Grants							
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Sale of Surplus Property							
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CPA							
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Other (specify)		\$85,000 GF or Energy Reserve					
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City Appropriation							
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TOTALS		\$85,000					
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The filter above would be a sample of what would be considered for Tolland High School. Actual design would need to be done to modify based upon its placement and connection to the central plant system.