

# Board of Education Capital Plan FY21-FY26

**PROJECT TITLE:** Tolland High School CO2 Sensor Replacements

**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 is proposing a one-time replacement of all the classroom CO2 sensors at Tolland High School. The CO2 sensors have an industry average shelf life of about (5) years and are an integral part in regulating the economizers that bring in fresh air via the control of exterior dampers. These are especially critical for the High School Classroom units that rely on this for standard of comfort and ventilation, as they have no other methods to control air quality levels. We are proposing the purchase of (80) of these units at a cost of about \$136 each, or \$10,880. Our main supplier that we currently use to purchase from is National Energy Control Corporation. Install of these units would be conducted by our own staff over a period of a couple months.

## PROJECT NEED

Impact on Department if Recommended or Not Recommended:

Improved energy efficiency, improved indoor air quality, better equipment performance

Cost to Maintain:

Testing and inspections

Describe all Benefits and/or Savings:

Better temperature control, better control of outside air dampers, improved efficiency

**PROJECT BUDGET AND FUNDING SOURCES**

<b>Project Cost Summary, Recommended Financing Sources, &amp; Operating Budget Impact</b>							
<b>Project Cost Elements</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY2025</b>	<b>FY2026</b>	<b>TOTAL</b>
Feasibility Study							
Design - Engineering							
Site Acquisition							
Site Improvements							
Construction	\$10,880						
Inspection Services							
Equipment & Furnishings							
Vehicle Purchase							
Other							
Contingency							
<b>TOTALS</b>		<b>\$10,880</b>					
<b>Financing Sources</b>							
Lease-Purchase							
Water Enterprise Funds							
Sewer Enterprise Funds							
Solid Waste Enterprise Funds							
Storm Water Enterprise Funds							
State / Federal Grants							
Sale of Surplus Property							
CPA							
Other (specify)		\$10,880	GF or Energy Reserve				
City Appropriation							
<b>TOTALS</b>		<b>\$10,880</b>					



To the left is an ACI-A/CO2-R2 Wall mountable CO2 sensor that we currently utilize at Tolland High School when replacing failed units