



# Medway Public Schools Energy Services Program



## *Detailed Audit Summary Results*

- 1. Reduce Energy Consumption in all schools**
- 2. Improve the Learning Environment in classrooms**
- 3. “Green” Medway Public Schools**
- 4. Maintain systems operation and guarantee savings**



**TRANE®**

# What is Performance Contracting?

***Energy Savings Performance Contracting enables building owners to use future energy savings to pay for (design and construction) costs of energy-saving projects, eliminating the need to dip into capital budgets.***

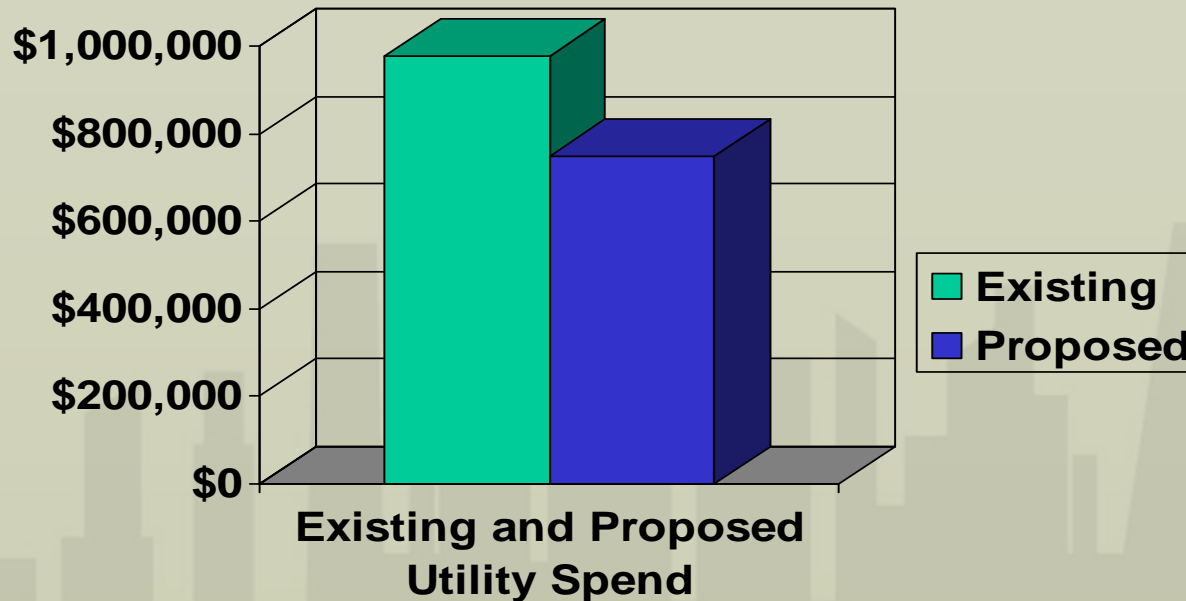


***–Energy Services Coalition (ESC)***



# Medway Public Schools Detailed Audit Findings

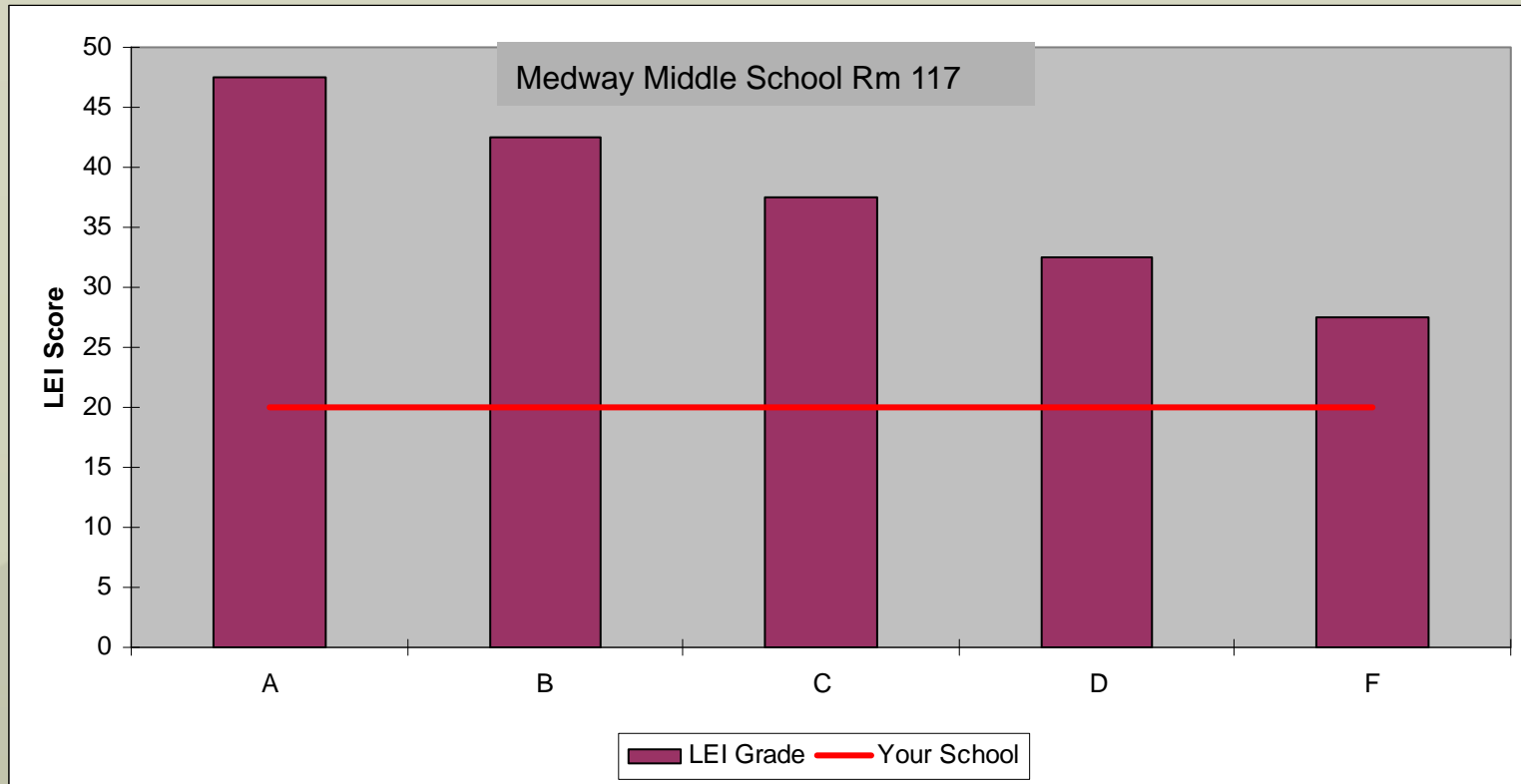
- ▲ \$228,500/yr in identified savings opportunity
- ▲ 23% Reduction in current utility spend





# Trane's Learning Environment Index (LEI)

Goal of the Performance contract is not only to reduce energy and upgrade facilities but also measurably improve quality of the learning environment in the classroom.





# A Comprehensive Approach

## ▲ Highlights of Proposed Program:

- Demand limiting at High School (Chiller + other equipment)
- New unit ventilators at Middle School, Burke and McGovern
- New Building Automation System throughout district
- Lighting
- Solar
- Variable Frequency Drives and high efficiency motors
- Computer Network Control (to control school computers)
- Building weatherization
- Vending Machine Misers
- Power factor correction