

## Kenton County School District

October 2024 Board Meeting

### School Year 2023-2024 Performance

**\$1,245,131 in Avoided Cost Savings**

*resulting in a positive impact on our environment!*

### Beechgrove Elementary Environmental Impact



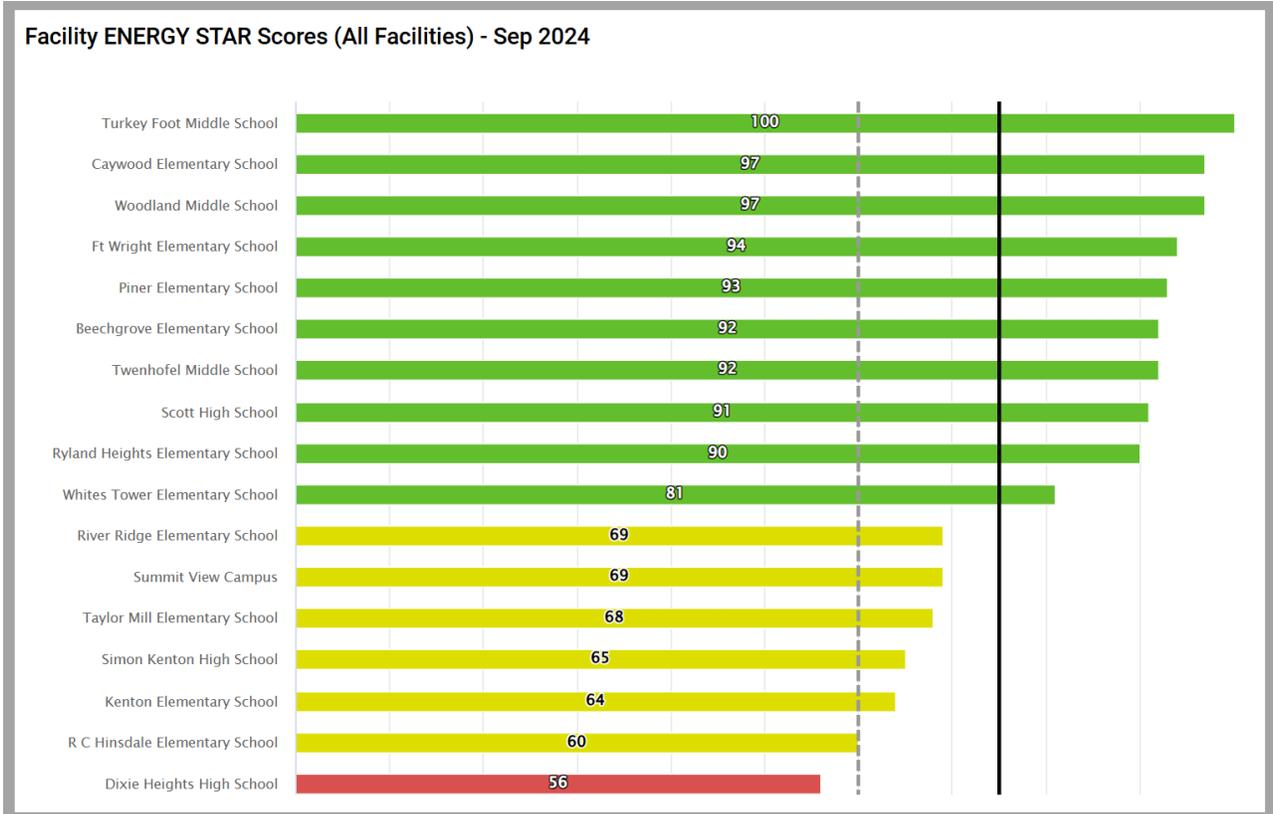
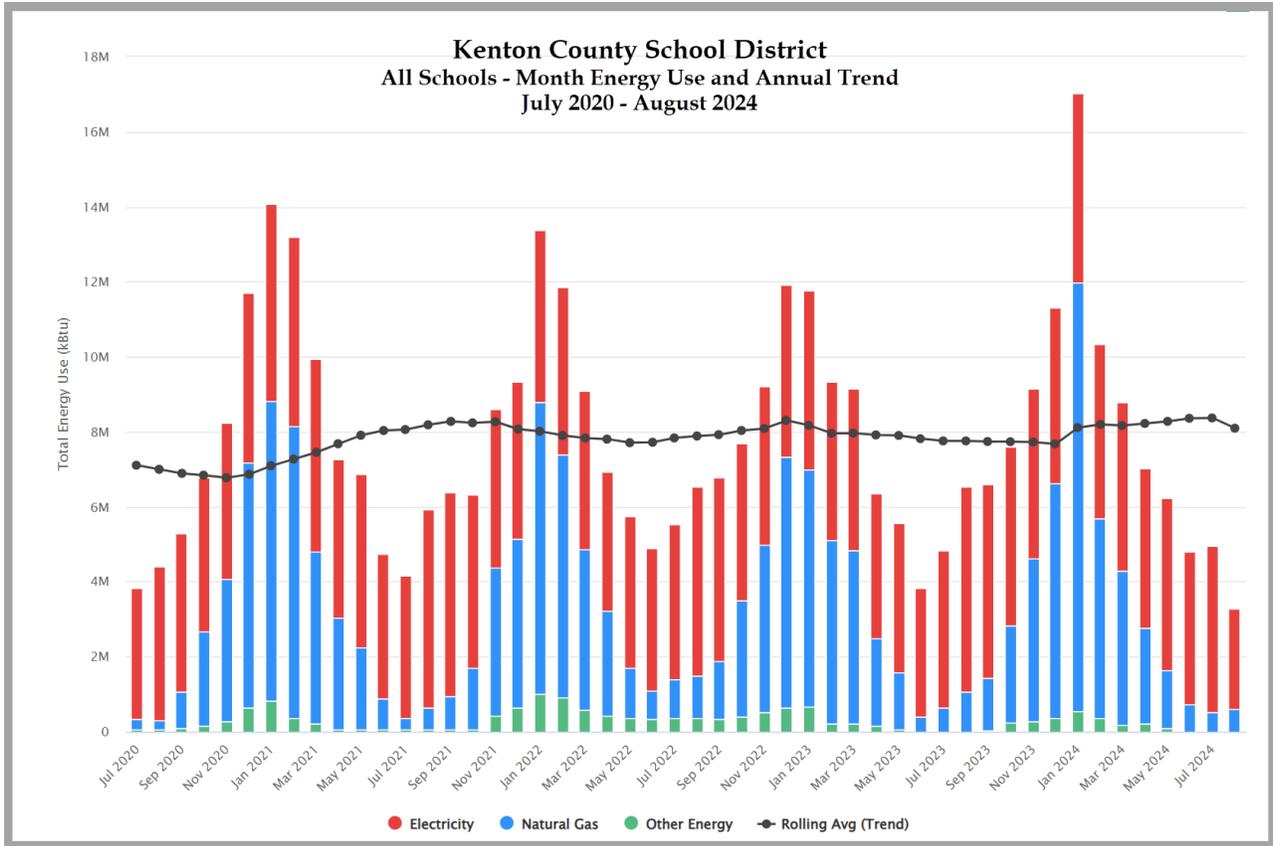
*Base Year: 2007-2008*

*Data from ENERGY STAR Portfolio Manager Emissions Report  
Equivalency calculated using the US EPA Equivalency Calculator*

#### Key takeaways this month:

1. ENERGY STAR's Portfolio Manager is upgrading its CO2 reporting tool and is currently under testing. Starting next month this graphic will include CO2 reduction for all schools.
2. An investigation into high natural gas usage in January 2024, shown on the [Month Energy Use and Annual Trend](#) report, led to finding that natural gas usage was reported incorrectly by Duke Energy for four of our largest gas consuming schools.
3. Weather conditions are a key factor in energy consumption as can be seen in the Interval Data Report (IDR) below. The extreme temperatures this year in the last week of August resulted in a significant increase in energy consumption. Conversely, a significant reduction in energy consumption can be seen in the third week of the month due to extreme temperature conditions in the previous year.
4. By focusing on energy consumption during unoccupied times we are able to reduce consumption when building occupants are not present. Caywood Elementary is an example of this reduction. Unoccupied temperature setpoints were adjusted to reduce unoccupied usage resulting in measurable energy savings.

## Current Performance



# Moving from Monthly Billing Data to 15-minute Interval Data

## Electricity Load Profiles

