

Kenton County School District

December 2024 Board Meeting

School Year 2023-2024 Performance

\$1,245,131 in Avoided Cost Savings

resulting in a positive impact on our environment!

Environmental Impact All Schools



Current Year: 12-mo ending Sep 2024

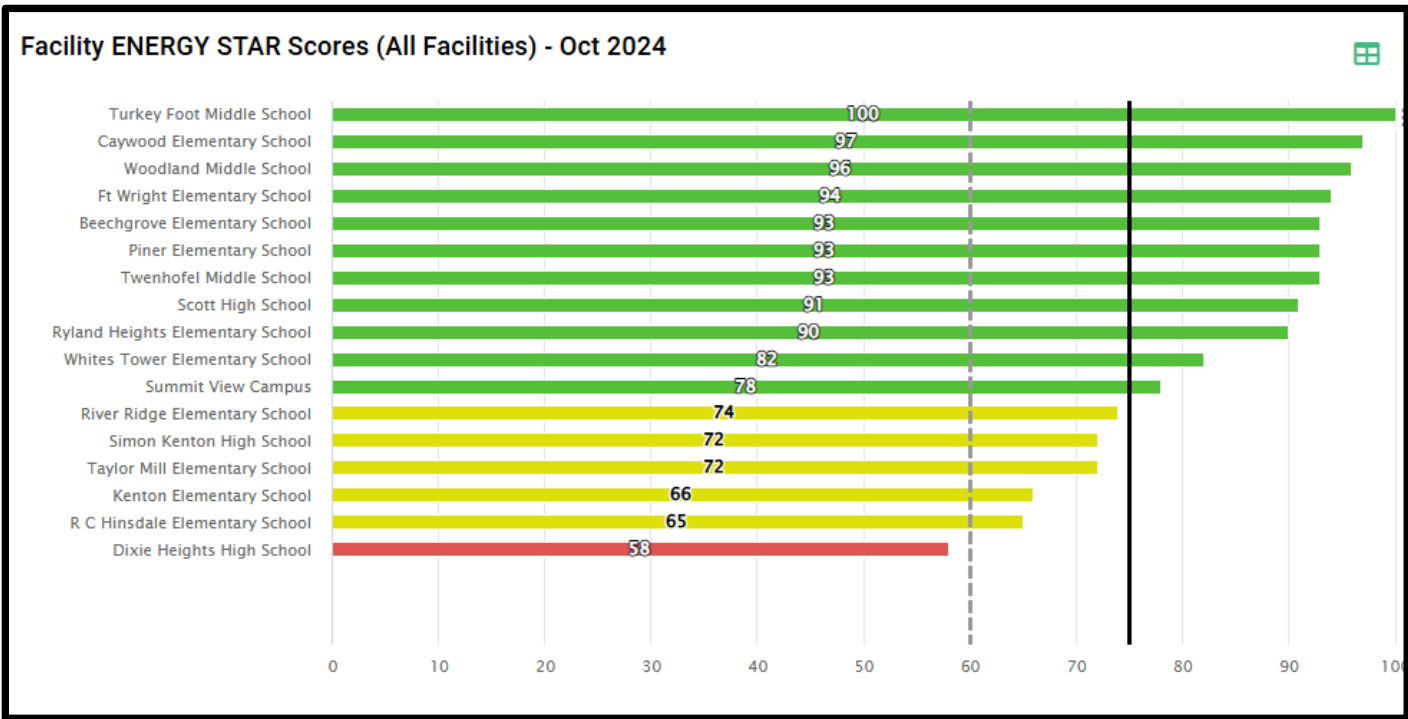
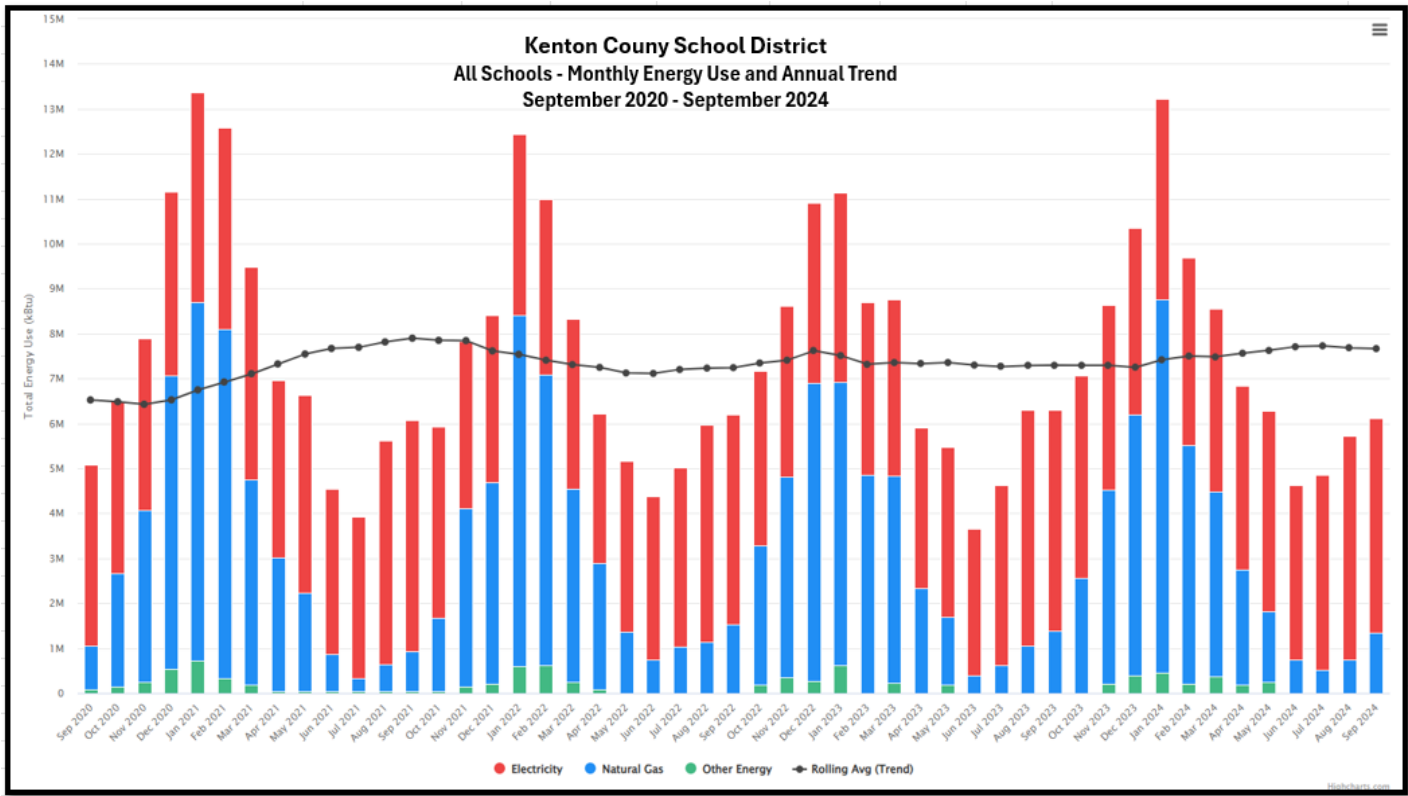
Comparison Year: 12-mo ending Sep 2008 (TFMS = 12-mo ending Sep 2011)

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

Key takeaways this month:

1. Summit View Campus increased its ENERGY STAR score to 78. This brings the current number of ENERGY STAR eligible schools to 11.
2. Continued focus on unoccupied energy use is resulting in measurable savings for the month.
3. The recent construction project at Scott High School has significantly impacted the school's energy usage. Over the past 15 years the school's square footage has increased by 68% while the energy usage has decreased by 57%. Resulting in an increase in ENERGY STAR score from 7 to 91.
4. The natatorium at Scott High School has now been fully operational for over a year. The impact of the energy usage for the school can be seen in the last table. The natatorium is nearly 50% of the building's energy usage.

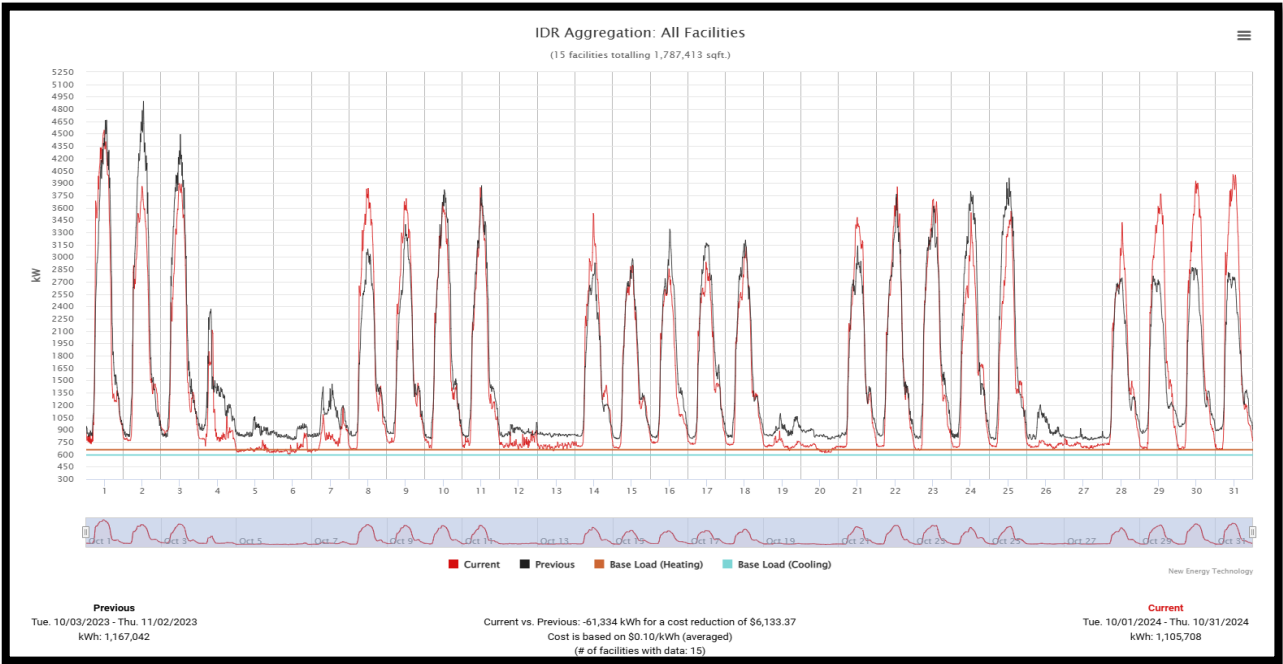
Current Performance



Moving from Monthly Billing Data to 15-minute Interval Data

Electricity Load Profiles

Facilities not included (working on acquiring IDR): Turkey Foot Middle School and Piner Elementary



Year Over Year Comparison - Scott High School

Information and Metrics from ENERGY STAR's Portfolio Manager

Overall Summary			
	Sep 2009	Sep 2024	Percent Change
Property GFA - Calculated (Buildings) (ft ²)	148840	250007	68.0%
Total (Location-Based) GHG Emissions (Metric Tons CO ₂ e)	2382.6	1000.6	-58.0%
Number of Properties with Scores	1	1	N/A
Average ENERGY STAR Score	7	91	1200.0%

Energy Totals			
	Sep 2009	Sep 2024	Percent Change
Site Energy Use (kBtu)	13131096.6	9359675.6	-28.7%
Weather Normalized Site Energy Use (kBtu)	13110131.4	9359675.6	-28.6%

Energy Intensities			
	Sep 2009	Sep 2024	Percent Change
Site EUI (kBtu/ft ²)	88.2	37.4	-57.6%
Weather Normalized Site EUI (kBtu/ft ²)	88.1	37.4	-57.5%

Year over Year Comparison - Scott High School

Information and Metrics from ENERGY STAR's Portfolio Manager

Overall Summary			
	Aug 2023	Aug 2024	Percent Change
Number of Properties	1	1	N/A
Property GFA - Calculated (Buildings) (ft ²)	250007	250007	0.0%
Total (Location-Based) GHG Emissions (Metric Tons CO ₂ e)	560.6	990.6	76.7%
Average ENERGY STAR Score	100	91	-9.0%

Energy Totals			
	Aug 2023	Aug 2024	Percent Change
Site Energy Use (kBtu)	4689595	9293935.5	98.2%
Weather Normalized Site Energy Use (kBtu)	4714525.2	9293935.5	97.1%

Energy Intensities			
	Aug 2023	Aug 2024	Percent Change
Site EUI (kBtu/ft ²)	18.8	37.2	97.9%
Weather Normalized Site EUI (kBtu/ft ²)	18.9	37.2	96.8%