

## Kenton County School District

September 2025 Board Meeting

### Monthly Highlights

- Electrical usage across all schools in July 2025 was up 17% compared to June 2024.
- Solar power generation at Turkey Foot can be seen most distinctly in the month of July. Electrical usage approaches net-zero multiple times throughout the month.
- The direct correlation of weather and energy use is seen by comparing usage to degree days. Natural gas usage directly tracks heating degree days while electrical usage remains steady during winter months and peaks in line with cooling degree days and the return of school.

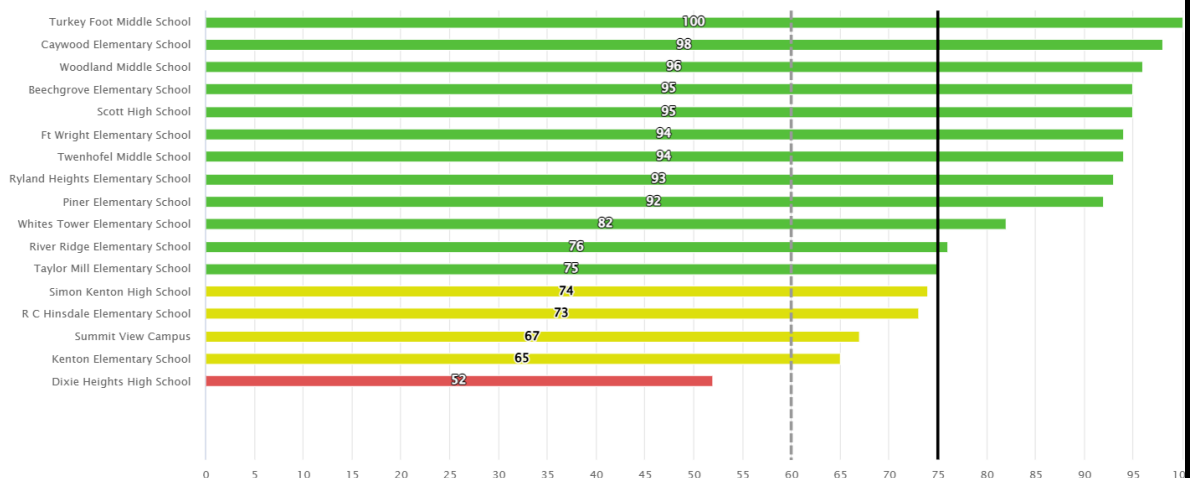
### Current Performance

Data in this section is from utility bills dated through August 15, 2025

Duke Energy bills include 30 days of billing data that start at various days of the month depending on location. Bills received in July have partial data for June and July, therefore billing data for the month of July is incomplete.

### Facility Scores from ENERGY STAR Portfolio Manager

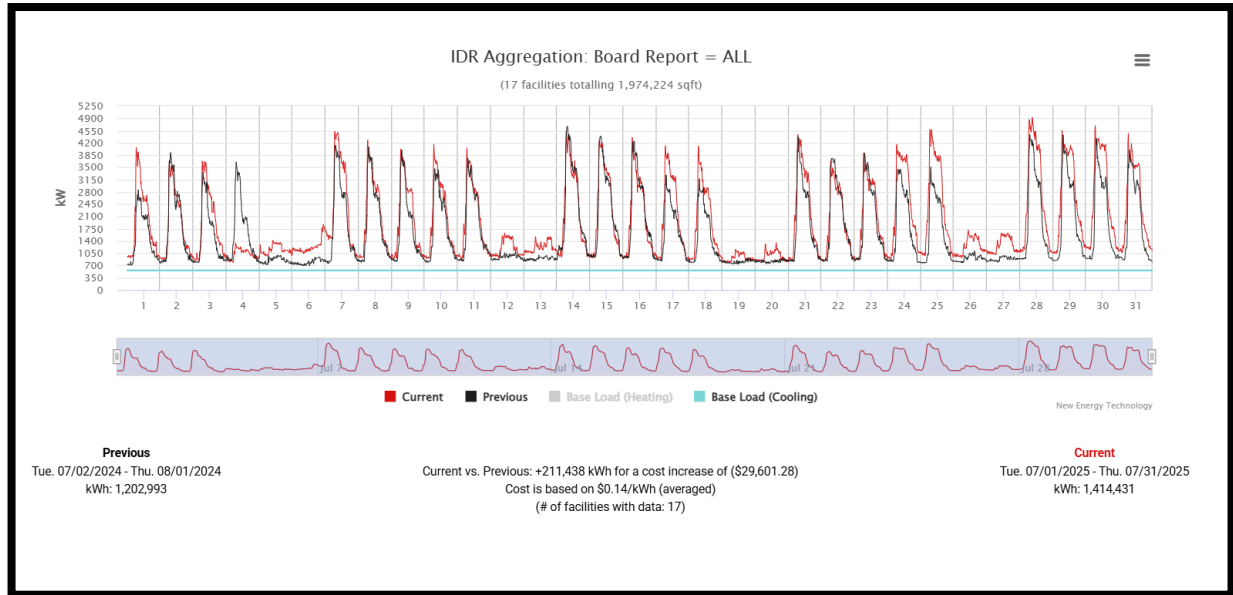
Facility ENERGY STAR Scores (Board Report = ALL) - Jun 2025



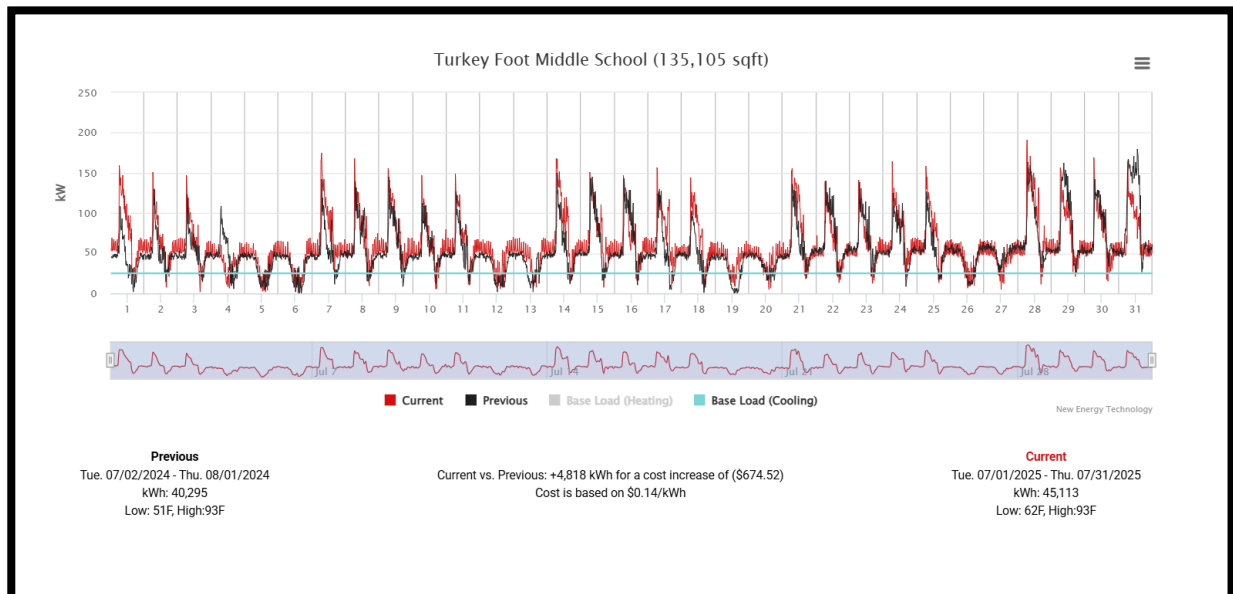
## 15-minute Interval Data

### Electricity Load Profiles

Data in this section is directly from utility meters and updated daily.



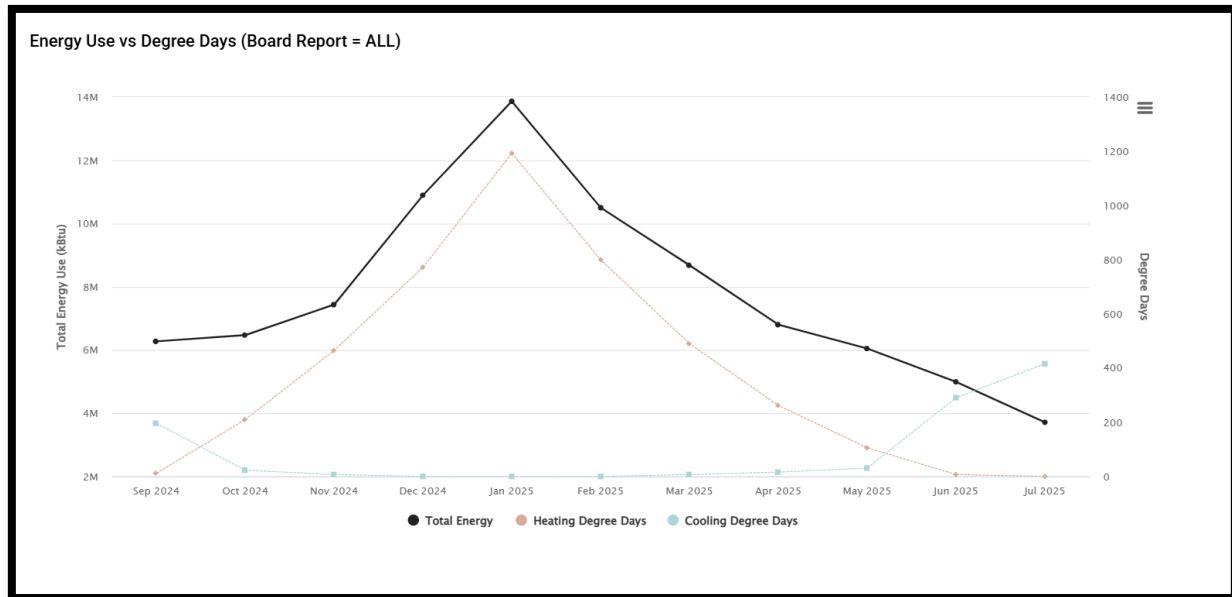
Electrical usage across all schools in July 2025 was up 17% compared to July 2024. Increased weekend usage is particularly evident.



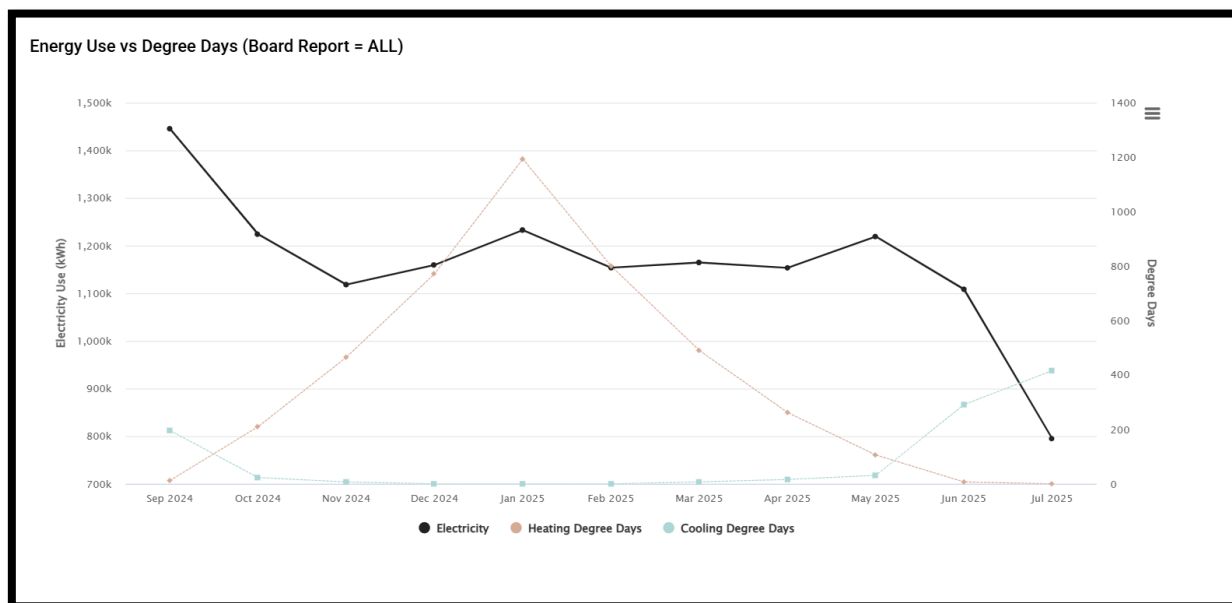
The harvesting of solar power at Turkey Foot Middle School is most apparent during the summer months.

## *Energy Use and Weather*

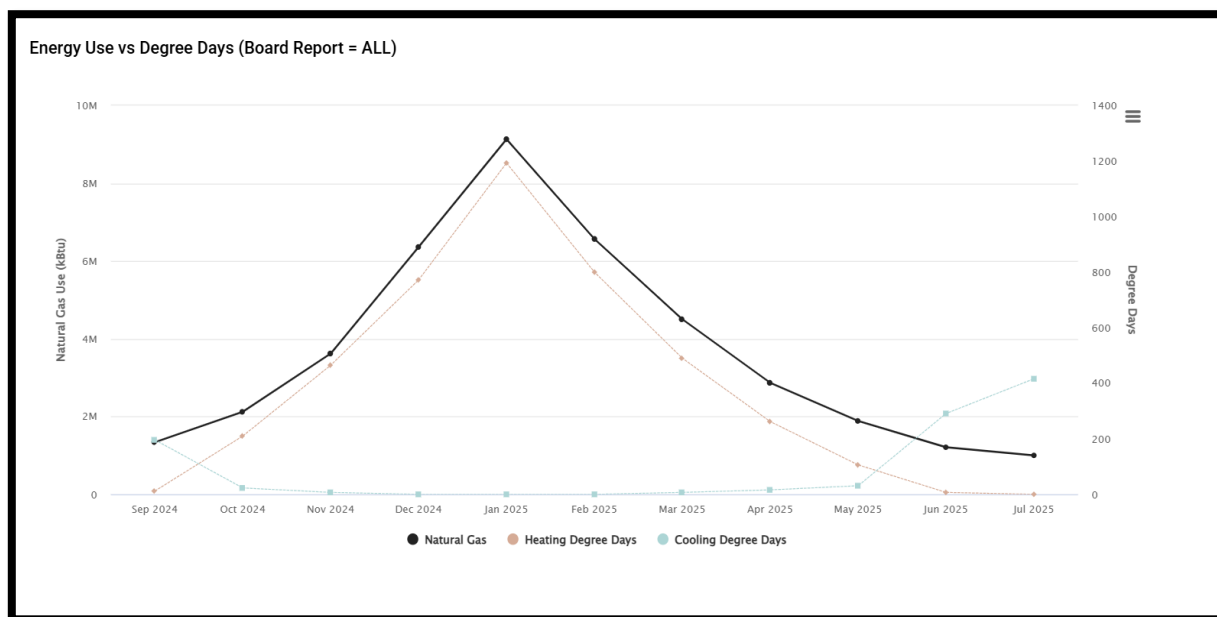
### *Energy Usage and Degree Days Comparison*



The effects of weather on energy usage can be seen by comparing usage and degree days. Peak total energy usage closely follows heating degree days peaking in the winter.

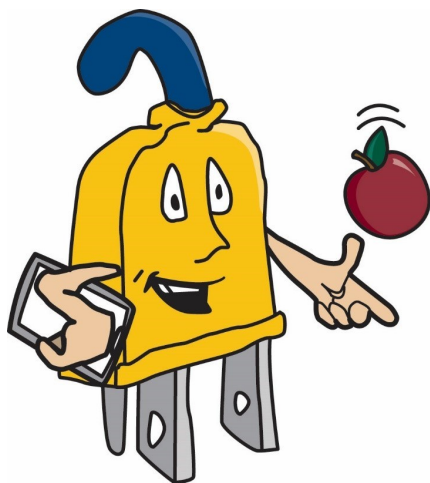


Electrical use peaks in September as a result of cooling degree days and the start of the school year while remaining steady in the winter months and decreasing to the lowest levels over summer break.



Natural gas usage mirrors heating degree days.

**E=W/SE<sup>2</sup>**



The annual sponsor meeting was held on 8/28/25 at the Support Operations Center. Eleven E=WISE sponsors and one gardening club sponsor were in attendance representing their schools. Currently there are thirteen schools participating with fourteen active sponsors. Only two of the fourteen sponsors are new to the E=WISE program this year. The combined experiences of returning sponsors opened the door to meaningful discussions on opportunities for improvement.