

Summary - Energy Report – Berea Independent Schools

Baseline Time Period: September 2022 – August 2023

Current Time Period: September 2023 – August 2024

1. Electricity:

- a. Electricity use (in units of kilowatt-hours [kWh]) decreased for all individual buildings and for the district overall when comparing the Baseline time period to the Current time period. Overall district wide use has decreased by over 6% (108,000 kWh).
- b. The annual cost associated with electricity use has also reduced. It has reduced by a district average of 9.8%, which equates to \$19,000 over the course of the year.
 - i. In part, this is due to the small decrease in cost per unit of electricity (3.9%).

2. Natural Gas:

- a. The natural gas consumption (in units of therms) has increased for the district overall when comparing the Baseline time period to the Current time period, but the cost of natural gas essentially remained the same between the two years.
 - i. Unfortunately, the natural gas consumption increased by 35% between the two years (5,000 therms).
 - ii. But, thankfully, due to decrease in cost per unit of natural gas (28%), the overall amount that the district paid for natural gas stayed the same at ~\$20,000 each year.

3. Overall Energy Use per Square Foot and Energy Cost:

- a. Overall, the district average energy use per square foot has just slightly increased by 2%.
 - i. Of the six (6) buildings reviewed, five of the six have reduced energy use per square foot (central office, annex, maintenance/custodial building, transportation building, and football field).
 - ii. Only the main school building has slightly increased energy use.
- b. Due to the reduced electricity use and lower natural gas cost rates, the district spent \$19,000 less on energy in the current year versus the baseline year.