

# 2024 ENERGIZING EFFICIENCY CASE STUDY

## 1600 5th St. Albemarle County Office Building Energy Efficiency Project

### THE PROJECT

In conjunction with the County Of Albemarle’s sustainability goals and greenhouse gas emissions reduction targets, Trane Energy Services decided to undertake an energy savings project at our 1600 5th Street County Office Building. The scope of this project included replacing boilers, a chiller, cooling tower, and legacy building automation system. This building houses 24/7 County services, including our police department and other secure areas, and is a critical support for Albemarle residents.

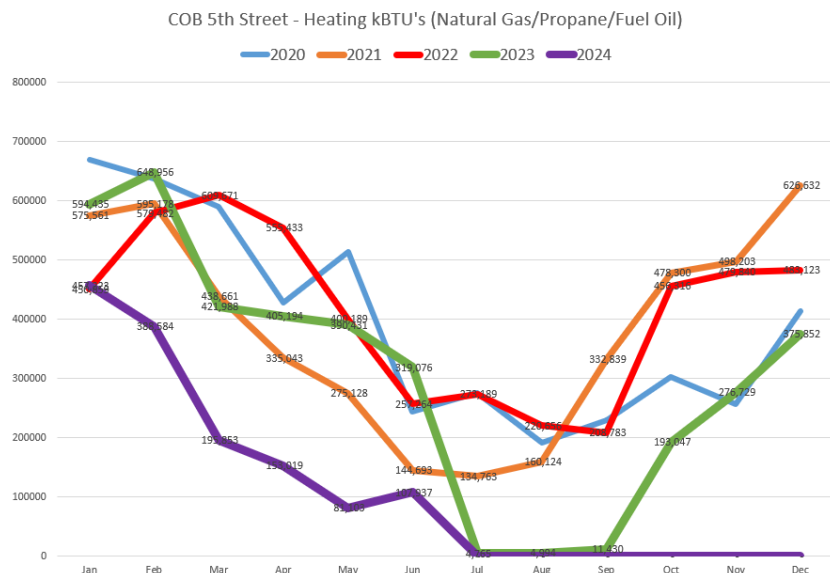
They recognized that the building automation system was not giving them all the information we needed to perform efficiently, and that was a key catalyst of the project – our energy use was higher in the shoulder months. They also knew that changing to high efficiency boilers would significantly reduce our gas consumption.

### THE RESULTS

In completing these upgrades, they obtained the benefit of better control over the systems to ensure the occupants are comfortable and minimize any disruptions to the daily operations at the 5th Street County Office Building" **"In the first year, the project overperformed and the County saw a huge decrease in gas use" – costs were cut more than 50%.**

kWh saved, year 1: 607,500

Tons of CO2 saved, Year 1: 389"



The **Virginia Energy Efficiency Council**, a member-based 501c3, launched the Energizing Efficiency Campaign in 2023 to further the mission of advancing EE across the state by showcasing incredible work being done in our communities and inspiring others to act. Learn more at [VAEEC.org/Energizing-Efficiency-Campaign](https://VAEEC.org/Energizing-Efficiency-Campaign).

