



FRANKLIN COUNTY FISCAL COURT

FRANKFORT, KY



PROJECT SIZE

11 Buildings/106,365 sq ft

\$4.8M



SAVINGS INFORMATION

Total project benefits
more than \$6.1M



QUOTE

“ESG and Franklin County Fiscal Court worked together closely to create strategic solutions which addressed the County’s goals of reducing operating costs, improving facility air quality, maintenance, operations, and upgrading mechanical systems while preserving our capital funds.”

- Judge Huston Wells, Franklin County



Constructed in 1987, the Franklin County Regional Jail’s HVAC systems were outdated and in need of replacement. The Franklin County Fiscal Court, the governing body for Franklin County, wanted to address these improvements while also making the facility more efficient and modernizing other aspects of the jail and additional county buildings.

SOLUTION

The Franklin County Fiscal Court selected Energy Systems Group (ESG) to develop and implement a comprehensive \$4.8 million project to address its facility needs. Several improvements were carried out at the jail, including an LED lighting retrofit, HVAC improvements, water conservation measures, controls upgrades, building envelope improvements, boiler replacement, and on-site backup power generation. ESG’s project also touched other important Franklin County facilities. ESG installed LED lighting at the county fire stations, clerk’s office, and road department, and ESG’s team implemented water conservation measures at the clerk’s office and road department as well.

The project scope included:

- LED lighting retrofit
- Water conservation measures including upgraded valves
- HVAC upgrades including new handler units and VAVs, boiler replacement, and new chilled and hot water pumps.
- Upgraded pneumatic controls to electronic controls
- Complete replacement of jail roof
- Upgraded existing partial building backup generator with whole building backup generator and installed new backup generator for the jail’s food storage building
- Door replacements

RESULTS

The facility improvements to the jail and other Franklin County facilities will not only reduce energy and operational costs for the county but also enhance indoor air quality at several locations, all while helping the county preserve its capital funds.

Over the life of the 18-year contract, the project is expected to produce \$6,127,732 in total project benefits.