

JESSAMINE COUNTY FISCAL COURT

101 North Main Street
Nicholasville, Kentucky 40356



“Part of the project’s positive cash flow savings can be used for additional energy savings improvements or other County projects, allowing us to continue to reap the benefits indefinitely.”

- William Neal Cassity,
Judge Executive

Project Type: Energy Savings Performance Contract

Annual Savings: \$53,000 in **Guaranteed** Energy Savings and Operational Savings

Environmental Impact: Reduction of 612,000 lbs of CO₂ emissions
1.2 million gallons of water saved

Other Benefits: Courthouse received an Energy Star Award
104.1% of Guaranteed savings was achieved



CHALLENGES: After being approached by Jessamine County to help them save money, Perfection Group performed an energy analysis and determined that the county had multiple savings opportunities due to the aging infrastructure in many of their facilities. Also, the traffic outside the courtroom made the windows rattle so bad that it was difficult to conduct meetings.

SOLUTION: The project covered upgrades to 6 facilities including: the Courthouse, the Annex, the Detention Center, the Cassity Building, Restricted Custody, and the Court Complex. Energy conservation measures that were incorporated consisted of the following:

- ▶ Lighting retrofits and occupancy sensors
- ▶ New windows at the Courthouse
- ▶ Retro-commission existing HVAC systems
- ▶ Building automation at the Courthouse and Detention Center
- ▶ Water conservation at the Detention Center
- ▶ Replacement of boiler and chiller at the Courthouse

