

PROJECT REFERENCE



BOYLE COUNTY FISCAL COURT – KY

KRS 45A.352 Energy Savings Performance Contract



CHALLENGES

The county's aging infrastructure had many energy consuming components that were in need of replacement, and were costly to maintain. This, coupled with rising utility costs, gave the Boyle County the opportunity to pursue Performance Contracting as a means to achieve their goals.

SOLUTIONS

The project covered upgrades to 5 facilities. Energy conservation measures that were incorporated consisted of the following:

- ▶ Lighting retrofits and occupancy sensors
- ▶ Installation of an energy-efficient multi-zone Variable Refrigerant Flow system at the Courthouse
- ▶ Insulated the Courthouse attic with efficient, long lasting blown-in insulation
- ▶ Centralized building automation systems
- ▶ Installed gas-fired generators at the Courthouse and Jail
- ▶ Retro-commissioned the refrigeration equipment at the Jail to increase efficiency and extend the system life-cycle
- ▶ Replaced (22) roof mounted package HVAC units at the Jail with high efficiency roof top units with economizers and environmentally friendly R-410A refrigerant
- ▶ Implemented water conservation measures at the Jail by installing low flush combination units and showers



"I think this is a solution to a problem that has plagued the Courthouse for a long-time. The Perfection Group has been a great partner in identifying needs, and providing cost effective solutions to meet those needs."

- Harold McKinney, Judge Executive

PROJECT SUMMARY

LOCATION: Danville, Kentucky

PROJECT COST: \$2,800,000

ANNUAL GUARANTEED SAVINGS: \$44,805

ANNUAL OPERATIONAL SAVINGS: \$41,000

TOTAL PROGRAM SAVINGS: \$4,047,474

OTHER BENEFITS: Utility Rebates

Project Completed: February 2015