

Kentucky Department of Corrections

Pineville, Kentucky - Sandy Hook, Kentucky - West Liberty, Kentucky



Energy and
Operational Savings
over \$15.8 million

Project Background

Energy Systems Group (ESG) was selected by the Kentucky Finance and Administration Cabinet to develop a \$12.6 million energy savings performance contract at three Kentucky Department of Corrections facilities: Bell County Forestry Camp (BCFC), the Eastern Kentucky Correctional Complex (EKCC) and the Little Sandy Correctional Complex (LSCC).

The project is anticipated to yield energy and operational savings of more than \$15.8 million for the KY DOC, over the term of the project. The ESPC project included \$4.4 million of Green Bank funding via the American Recovery and Reinvestment Act (ARRA)

Strategies & Solutions

ESG has designed and developed energy conservation and building modernization solutions that include the following:

BCFC – Pineville, Kentucky

- Lighting Improvements
- HVAC Improvements

EKCC – West Liberty, Kentucky

- Conversion of Central Plant from Coal to Natural gas fuel
- Distributed Boilers Replacing Steam-based Heat
- New Magnetic Bearing Chillers
- Additional Heating and Cooling System Upgrades
- Lighting Improvements
- Water Conservation
- Destratification Fans

LSCC - Sandy Hook, Kentucky

- Lighting Improvements
- Water Conservation
- Geothermal System Improvements
- Mechanical Improvements
- Utility Rate Change

