Kentucky Department of Corrections Western KY

- Kentucky State Penitentiary – Eddyville, KY
- Western Kentucky Correctional Complex - Fredonia, KY

Major Issues
- Budgetary constraints
- Infrastructure failing –
  - increasing maintenance costs

Solution
- Guaranteed Energy Savings Performance Contract
- ESCO: JCI
- $3.2 million contract / 15 year guarantee term / annual savings $368,638

The Western Kentucky Correctional Complex, located in Lyon County, is a 693 bed medium security facility which houses adult female inmates and includes a 200-bed minimum security unit. The minimum security inmates maintain a 2,300 acre farm and provide several community work details.
Project Scope

The Kentucky State Penitentiary, located near Eddyville in Lyon County, is the Department’s oldest and only maximum security facility. This facility houses Death Row Inmates.

- Campus wide steam trap renovations at KSP
- Campus wide piping insulation upgrades at KSP
- Building envelope upgrades (window film and sealing)
- Boiler stack economizer and Controls at KSP
- Digital (DDC) control upgrades at KSP & WKCC
- Reverse Osmosis System at KSP
- Lighting upgrade at KSP & WKCC
- Chiller Replacement at KSP 5 & Cellhouses
- Ozone Laundry System at KSP
Environmental Overview

Reduced Greenhouse Gas Emissions
• 2,130.42 metric tons per year

Equivalent Reductions
• Removing 336 cars from the road each year
• Preserving 15.2 acres of trees annually

• Contract #: CT2-785-1000000184