



Bluegrass Oakwood Hospital

- Intermediate Care Facility
- 27 buildings / 263,000 SF
- Located in Pulaski County, Kentucky

Major Issues

- Spending \$973,000 on utilities in 2006
- Heating systems at end of useful life in 18 residential cottages
- Little to no HVAC controls
- Antiquated central laundry system

Solution

- Guaranteed Energy Savings Performance Contract / 2009
- ESCO: Siemens Industry, Inc.
- \$4.44 million contract / 12 year guarantee term
- \$536,000 of annual energy and operational savings guaranteed



Project Scope

- Installed 33 new condensing boilers in cottages
- Variable frequency drives on hot water pumps
- Digital control upgrades with graphical display
- New ozone laundry system
- New commercial dishwasher in kitchen
- Variable refrigerant volume HVAC system in major building
- New lighting and occupancy sensors
- Water conservation
- Retro-commissioning





Environmental Overview

Reduced Greenhouse Gas Emissions

- 2,870 metric tons per year

Equivalent Reductions

- Removing 1,237 cars from the road each year
- Preserving 48 acres of trees annually

