conEdison Solutions®
Energy. Efficiency. Expertise.

Parsons State Hospital and Training Center

Energy Savings Performance Contract (ESPC)

Parsons State Hospital and Training Center partnered with ConEdison Solutions through its subsidiary, Custom Energy Services, in an effort to generate savings that could be used to address infrastructure improvements such as the replacement of air handlers. The customer also needed help in solving problems with failing steam traps.

Con Edison Solutions efforts were focused on improving the lighting systems, steam systems, energy management controls, and equipment replacements to improve efficiency. We also improved energy efficiency through replacement of piping systems and old standard flow toilets.

Energy Conservation Measures

Lighting and Lighting Controls
- High efficiency lighting
- LED exit signs
- Occupancy sensors

Building Controls
- Energy management system

Heating and Cooling
- Boiler Plant
- Steam line insulation
- Domestic hot water heating
- Steam and condensate pipe repair
- HVariable air volume air handling units

Water Conservation
- Low-flow water fixtures

Additional Upgrades
- Laundry facility ozone improvement

PROJECT DATA

LOCATION
Parsons, KS

CONSTRUCTION DATES
May 2004 to October 2004

CAPITAL COSTS
$2,014,326

ANNUAL SAVINGS
Energy Savings: $174,716
Non-Energy Savings: $12,560

ENVIRONMENTAL BENEFITS
2,539 tons of harmful greenhouse gas emissions reduced annually

Equivalent to:
- Preserving 16.1 acres of forest from deforestation* or
- Conserving 5,356 barrels of oil*

*Sources:
- Leonardo Academy's Cleaner & Greener℠ Emissions Reduction Calculator: http://www.cleanerandgreener.org/resources/pollutioncalculator.html
- U.S. Environmental Protection Agency, Greenhouse Gas Equivalencies Calculator: http://www.epa.gov/cleanenergy/energy-resources/calculator.html