



Kentucky Community & Technical College System

KCTCS is a decade-old network of 16, two-year comprehensive colleges that provides education and training on 67 campuses throughout the state to over 100,000 annually

This project encompassed 4 institutions: Ashland, Maysville, Gateway and Big Sandy including 32 campus buildings at 12 locations

Major Issues

- Budgetary constraints
- Infrastructure failing – Increasing Maintenance Costs

Solution

- Guaranteed Energy Savings Performance Contract
- ESCO: Ameresco, Inc.
- \$4.6 million contract / 13 year guarantee term
- Annual Savings energy and operational \$480,000

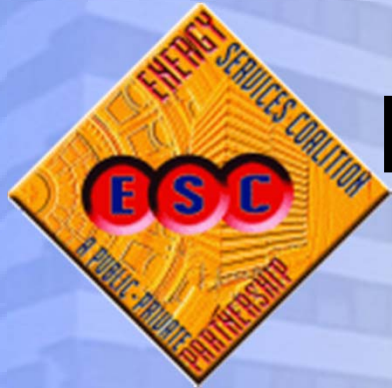




Project Scope



- HVAC Improvements-includes:
 - Boiler replacements
 - Chiller replacements
 - Make-up air enhancements
 - DX Unit replacement
- Digital control upgrades networked to the KCTCS IT infrastructure
- Lighting upgrade, controls and occupancy sensors
- Decommission Fume Hoods
- Electric Hand Dryers
- Vending machine occupancy controls
- Domestic water improvements to save water and waste water costs
- Building Envelop Upgrades
- Window Film



Environmental Overview

Reduced Greenhouse Gas Emissions

- 2,800 metric tons per year

Equivalent Annual Reductions:

- Removing approximately 555 typical passenger cars from the road a year
- Removing the electrical usage of over 353 typical homes a year
- Reducing the equivalent to the removal of over 6,575 barrels of oil consumption a year
- Contract #: CT2-785-1200000175

