Northern Kentucky University

- Located in Campbell County, Kentucky
- Founded in 1968
- Enrollment is 15,738 students

Major Issues
- Did not think they were a candidate for ESPC
- Had self-installed a majority of its new lighting prior to its ESPC project
- Outdated HVAC controls
- NKU was spending $2.9 million on utilities in 2002-03

Solution
- ESCO: Siemens Industry, Inc.
- $4.53 million contract / 12 year guarantee term
- $592,000 of annual energy and operational savings guaranteed
Project Scope

- Facilities upgrades to many campus HVAC systems
- Digital control upgrades with graphical display
- VAV box DDC control
- VAV air handler conversion
- Demand control ventilation
- Steam trap replacement
- Boiler plant / chiller plant optimization
- Motors and variable frequency drives
- New lighting and occupancy sensors
- Water conservation
- Retro-commissioning
Environmental Overview

Reduced Greenhouse Gas Emissions
• 25,113 metric tons per year

Equivalent Reductions
• Removing 5,998 cars from the road each year
• Preserving 231 acres of trees annually