Carl D. Perkins Training Center

- Located in Johnson County, Kentucky (Thelma)
- In Operation Since 1973
- Houses 183 Residents

Major Issues
- No Building Controls
- Electrical Load
- High Peak of Domestic Hot Water (DHW)
- Computer Monitor Usage
- Outdated Lighting

Solution
- Guaranteed Energy Savings Performance Contract
- ESCO: Ameresco, Inc.
- $400,283 / 14 year guarantee term
- $45,000 of annual energy and operational savings guaranteed
Project Scope

- Digital Control Upgrades
- Computer Workstation Power Management
- Building Automation System (BAS) Controls
- Electrical Load (implemented Demand Strategies)
- High Peak of Domestic Hot Water (DHW)
- Computer Monitor Usage
- Major Lighting Retrofit
- Vending Machine Controls
Environmental Overview

Reduced Greenhouse Gas Emissions
• 3 metric tons per year

Equivalent Reductions
• Removing 4 cars from the road each year
• Preserving 6 acres of trees annually

• Contract #: CT2-785-1000000071