



# 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- Outdated Lighting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

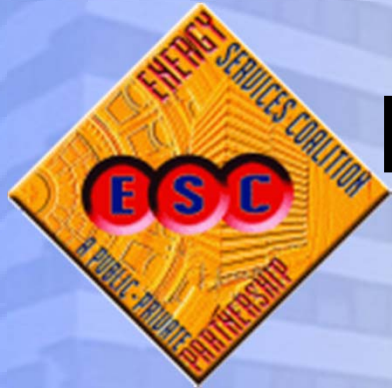
- Guaranteed Energy Savings Performance Contract
- ESCO: Ameresco, Inc.
- \$400,283 / 14 year guarantee term
- \$45,000 of annual energy and operational savings guaranteed



# 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

