



# Kentucky Educational Television

- Located in Lexington, on the University of Kentucky Campus
- KET's mission is to make Kentucky a better place and strengthen its communities by educating, inspiring, informing, and connecting its citizens through the power of public media.

## Major Issues

- Budgetary constraints
- Infrastructure failing –
  - increasing maintenance costs

## Solution

- Guaranteed Energy Savings Performance Contract
- ESCO: Honeywell, Inc.
- \$1.9 million contract / 14 year guarantee term
- Annual Savings energy and operational \$168,414

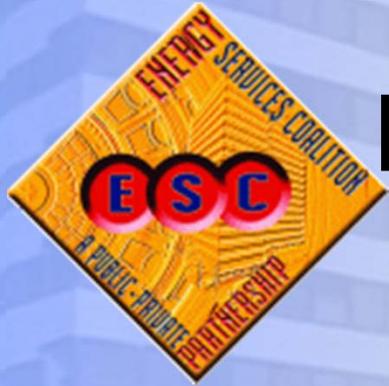




# Project Scope



- HVAC Improvements-includes:
  - New Full Condensing Boiler,
  - Dedicated Heat Recovery Chiller to run from heat generated by TV equipment,
  - New Hot Water Coil and New Second Floor HVAC equipment,
  - Re-bid Natural Gas Contract (saved \$21K per year)
  - Replaced individual space heaters with foot warmers 1500 watts vs. 80 watts
- Building envelope upgrades (window film and sealing)
- Digital control upgrades that can be networked to the KET's IT infrastructure
- Lighting upgrade, controls and occupancy sensors
- Vending machine occupancy controls
- Domestic water improvements to save water and waste water costs



# Environmental Overview

## Reduced Greenhouse Gas Emissions

- 1,130.42 metric tons per year

## Equivalent Reductions

- Removing 236 cars from the road each year
- Preserving 11.2 acres of trees annually

- Contract #: CT2-785-1100000108

