Kansas Insurance Department  
Topeka, KS

PROJECT DESCRIPTION  
Energy Savings Performance Contract  

Challenge: The Kansas Insurance Department is housed in a building that was formerly a women's social club built in the 1920s. The building's lighting system needed to be upgraded while retaining building aesthetics as it is listed on the National Register of Historic Places.

PROJECT SCOPE  

Solution: ConEdison Solutions, through its subsidiary, Custom Energy Services, enhanced the comfort of the staff by improving ventilation within the building. Further, lighting upgrades that improved the aesthetics of the building made the rooms brighter and thus created less eye strain for occupants.

Contact:  
Carlos Cortez  
Building Supervisor  
420 SW 9th St.  
Topeka, KS 66612  
785-296-3177

Construction Start Date:  
March 2005  
Construction End Date:  
February 2006

ENERGY CONSERVATION MEASURES  

Lighting and Controls  
- High efficiency lighting  
- LED exit signs  
- Occupancy sensors

Building Controls  
- Energy management system

Heating and Cooling  
- Ventilation improvements  
- Combustion air improvements

Renewable Energy  
- Water-source heat pump

PROJECT HIGHLIGHTS  

Environmental Benefits  
217 tons of harmful greenhouse gas emissions reduced annually  
Equivalent to:  
- Preserving 1.4 acres of forest from deforestation* or  
- Conserving 458 barrels of oil*

Capital Costs  
$692,419

Annual Savings  
Energy: $10,515  
Non-Energy: $1,628  
Utility Cost Reduction: 34%

* Sources:  
- Leonardo Academy's Cleaner & Greener® Emissions Reduction Calculator  
  http://www.cleanerandgreener.org/resources/emission_reductions.htm  
- U.S. Environmental Protection Agency, Greenhouse Gas Equivalencies Calculator  
  http://www.epa.gov/cleanenergy/energy-resources/calculator.html