



**Neosho County  
Community College**  
Chanute, KS



**PROJECT HIGHLIGHTS**

**Environmental Benefits**

613 tons of harmful greenhouse gas emissions reduced annually

**Equivalent to:**

- Preserving 3.9 acres of forest from deforestation\* or
- Conserving 1,293 barrels of oil\*

**Capital Costs**

\$2,044,361

**Annual Savings**

Energy:	\$50,704
Non-Energy:	\$20,000
Utility Cost Reduction:	37%

\* Sources:

- Leonardo Academy's Cleaner & Greener<sup>SM</sup> Emissions Reduction Calculator  
[http://www.cleanerandgreener.org/resources/emission\\_reductions.htm](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>

**ENERGY SAVINGS PERFORMANCE  
CONTRACT PROJECT**

**Challenge:** The Neosho County Community College campus consists of eleven stand-alone buildings. This was the first community college to take advantage of the Kansas Facility Conservation Improvement Program (FCIP). Critical facility needs (roofs, cooling in the gymnasium, code-driven renovations) were addressed immediately, instead of having to wait for future budget dollars to become available. The resulting upgrades help the college save energy while creating a more comfortable learning and working environment for students, faculty, and administrators.

**Solution:** One area on the campus that was affected directly by the project is the school library's basement. On campus it is known as the Cave and is a cluster of classrooms and offices constructed many years ago. The workspaces had been closed by the fire marshal and the occupants relocated. ConEdison Solutions was able to make the area usable once again by adding a fire egress hallway, fire sprinklers, and an alarm system.

**Contact:**

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**Construction Start Date:**

March 2005

**Construction End Date:**

August 2005

**ENERGY CONSERVATION  
MEASURES**

**Lighting**

- High efficiency lighting
- LED exit signs

**Building Controls**

- Energy management system
- Occupancy sensors
- Kitchen exhaust hood control

**Heating and Cooling**

- Chiller, tower and pump replacement
- Variable frequency drives

**Building Envelope**

- Roof replacement

**Water**

- Low-flow water fixtures

**Other**

- Washer and dryer replacement
- CAVE improvements