

# Scott County Unified School District 466

704 College St, Box 288  
Scott City, Kansas 67871



## Contact

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Superintendent  
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## Project Information

Project Size: 5 buildings, 145,569 sq. ft.  
Project Type: K-12 School District  
Project Dates: 04/2005 – 08/2005 (*estimated completion date*)  
Project Value: \$945,271

## List of Improvements

- ▶ Lighting system upgrades
- ▶ Install temperature controls
- ▶ Heat pump upgrade
- ▶ Rooftop unit installation
- ▶ Install cooling tower indoor sump
- ▶ Water conservation measures
- ▶ Energy management system upgrade
- ▶ Variable frequency drive installation
- ▶ Demand control ventilation on gym unit
- ▶ Replace steam heating with forced-air HVAC
- ▶ Lay-in ceiling installation

## Savings Summary

Utility	Units	Guaranteed Savings	Average Annual Savings
Electric Consumption	kWh	438,690	†
Electric Demand	kW	1,410	†
Natural Gas	Therms	6,550	†
Water	kgal	55	†
	Dollars	\$44,719	†

† Project is under construction so Actual Annual Savings are not yet available

## Project Highlights

Through participation in the Facility Conservation Improvement Program (FCIP), Scott County Unified School District will replace failing heat pumps, rooftop units, window air-conditioner units, and steam system that are past their useful lives.

A problem with the cooling tower water freezing will be resolved through the installation of an indoor cooling tower sump—allowing the existing heat pump system to provide heating in interior spaces.

The school district was able to implement \$945,000 in energy-efficient facility upgrades and infrastructure improvements.