



Case Study

Fairfield Unified School District #310 Langdon, Kansas



PROJECT DESCRIPTION: Energy Savings Performance Contract

Challenges: The Fairfield Unified School District (Fairfield USD) had significant capital needs to raise its facilities up to the level of the administration's expectations. The administration's desire was to develop an energy efficiency plan that would use the district's limited budget in the most cost effective manner and achieve the maximum number of facility upgrades while protecting the Fairfield USD's financial assets.

PROJECT SCOPE

Solutions: One of the major goals of the partnership between Fairfield USD and ConEdison Solutions was to utilize the energy savings from the Energy Savings Performance Contract (ESPC) to replace the district's failing equipment, thereby eliminating many of the deferred maintenance issues that often plague school districts. The Fairfield USD staff can now focus its attention on preventative maintenance activities that will benefit the school district for years to come.

ENERGY CONSERVATION MEASURES

Lighting and Lighting Controls

- High efficiency lighting
- LED exit signs
- Occupancy sensors

Heating and Cooling

- De-commission hot water heating system
- Air conditioning
- Replace rooftop unit heating
- Bus Barn block heaters

Building Envelope

- Windows

Other

- Replace lay-in ceilings

PROJECT HIGHLIGHTS

Environmental Benefits

124 tons of harmful greenhouse gas emissions reduced annually

Equivalent to:

- Preserving 1.2 acres of forest from deforestation* or
- Conserving 288 barrels of oil*

Capital Costs

\$1,370,917

Annual Savings

Energy:	\$42,967
Non-Energy:	\$90,817
Utility Cost Reduction:	30%

* Sources:

- Leonardo Academy's Cleaner & GreenerSM Emissions Reduction Calculator
<http://www.cleanerandgreener.org/resources/emissions-reductions-calculator.html>
- U.S. Environmental Protection Agency, Greenhouse Gas Equivalencies Calculator
<http://www.epa.gov/cleanenergy/energy-resources/calculator.html>

Contact:

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Construction Start Date:

June 2010

Construction End Date:

February 2011

Clients: K-12 Schools



Baker County Schools Macclenny, FL	Foster-Glocester Regional School District and Ponaganset Middle & High School (2 schools) Foster, RI	Mahopac Central School District Mahopac, NY	Putnam County Schools Palatka, FL
Bay County Schools Panama City, FL	Franklin County School Board Apalachicola, FL	Manatee County Schools Bradenton, FL	Queen Creek School District Queen Creek, AZ
Bradford County Schools Starke, FL	Garden City School District Garden City, NY	Maries County School District Belle, MO	Raymore-Peculiar School District Peculiar, MO
Bluestem Unified School District #205 Leon, KS	Hardee County Schools Wauchula, FL	Martin County Schools Stuart, FL	Santa Rosa County Schools Milton, FL
Buhler Unified School District #313 Buhler, KS	Harrisonville Cass R-IX School District Harrisonville, MO	Monroe County Schools Key West, FL	Sarasota County Schools Sarasota, FL
Calhoun County Schools Blountstown, FL	Haven Unified School District #312 Haven, KS	Nassau County Schools Fernandina, FL	School Board of Pinellas County Largo, FL
Charlotte County Public Schools Port Charlotte, FL	Hendry County Schools Labelle, FL	Newport Public Schools Newport, RI	Scott County Unified School District #466 Scott City, KS
Charlottesville City Schools Charlottesville, VA	Highland County Schools Sebring, FL	Northampton Public Schools Northampton, MA	Smithville R-11 School District Smithville, MO
Clay County Schools Keystone Heights, FL	Hillsborough County Public Schools (10 schools) Tampa, FL	North Jackson Unified School District #335 Holton, KS	Springfield Public Schools Springfield, MO
Collier County Schools Naples, FL	Humboldt Unified School District #258 Humboldt, KS	Okaloosa County Schools Fort Walton Beach, FL	St. John's County Schools St. Augustine, FL
Columbia County Schools Lake City, FL	Indian River Schools Vero Beach, FL	Okeechobee County Schools Okeechobee, FL	Suwannee County Schools Live Oak, FL
Columbia Public Schools Columbia, MO	Jackson County Schools Marianna, FL	Osceola School District Kissimmee, FL	Walton County Schools DeFuniak Springs, FL
Dade County Schools Miami, FL	Lake County Schools Tavares, FL	Palm Beach County Schools West Palm Beach	Washington County Schools ChIPLEY, FL
Desoto County Schools Arcadia, FL	Lee County School District Ft. Myers, FL	Park Hill School District Kansas City, MO	Windham Public Schools (6 schools) Windham, CT
Emporia Unified School District 253 Emporia, KS	Leon County Schools Tallahassee, FL	Piper Unified School District #203 Kansas City, KS	
Escambia County School District (65 schools) Pensacola, FL		Polk County Schools Bartow, FL	
		Port Charlotte County Port Charlotte, FL	

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