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.

Contact:
Mary Treaster
Superintendent
Fairfield Unified School District
16115 S. Langdon Road
Langdon, KS 67583
620.596.2152

Construction Start Date: June 2010
Construction End Date: February 2011

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