PROJECT DESCRIPTION
Energy Savings Performance Contract

Challenge: Windham Public School District is located in Eastern Connecticut and consists of six (6) separate facilities: Windham High School, Windham Middle School, North Windham School, Natchaug School, Sweeney School, and Windham Center School. In total, these six facilities encompass 576,276 square feet and include classrooms, offices, auditoriums, gymnasiums, kitchens, and libraries.

PROJECT SCOPE
Solution: ConEdison Solutions implemented a wide variety of energy saving projects for Windham Public Schools under an Energy Savings Performance Contract (ESPC). ConEdison Solutions procured and installed, on a turnkey basis, equipment including dual-fuel boilers, a new synchronous cogeneration system, high efficiency lighting and windows. ConEdison Solutions also created a comprehensive energy curriculum for all grade levels to enhance the students’ awareness of energy conservation and the specific energy improvements implemented through the ESPC contract.

ENVIRONMENTAL BENEFITS

- 1,731,189 gallons of fresh water saved annually
- 2,619 tons of harmful greenhouse gas emissions reduced annually
- Equivalent to:
  - Preserving 17.6 acres of forest from deforestation*
  - Conserving 5,013 barrels of oil

CAPITAL COSTS

- $5,239,145

UTILITY REBATES

- $390,000

ONGOING ANNUAL SAVINGS

- $528,510

SCHEDULE COMPLIANCE

- On time and on budget
  - Started: June, 2007
  - Completed: March 2009

*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

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Clients: K–12 Schools

Baker County Schools, Macclenny, FL
Ballston Spa School District, Ballston Spa, NY
Bay County Schools, Panama City, FL
Bradford County Schools, Starke, FL
Blue Stem Unified School District #205, Leon, KS
Buhler Unified School District #313, Buhler, KS
Calhoun County Schools, Blountstown, FL
Canandaigua City School District, Canandaigua, NY
Caroline County Public Schools, Denton, MD
Charlotte County Public Schools, Port Charlotte, FL
Clay County Schools, Keystone Heights, FL
Cleveland Hill School District, Cheektowaga, NY
Collier County Schools, Naples, FL
Columbia County Schools, Lake City, FL
Columbia Public Schools, Columbia, MO
Corning-Painted Post Area School District, Painted Post, NY
Dade County Schools, Miami, FL
Desoto County Schools, Arcadia, FL
Elizabethtown-Lewis Central School District, Elizabethtown, NY
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
Greece Central School District, Greece, NY
Hadley-Luzerne Central School District, Lake Luzerne, NY
Hardee County Schools, Wauchula, FL
Harrisonville Cass R-IX School District, Harrisonville, MO
Haven Unified School District #312, Haven, KS
Hendry County Schools, Labelle, FL
Hickman Mills C-1 School District, Kansas City, MO
Highland County Schools, Sebring, FL
Hillsborough County Public Schools (10 schools), Tampa, FL
Humboldt Unified School District #258, Humboldt, KS
Ichabod Crane Central School District, Valatie, NY
Indian River Schools, Vero Beach, FL
Jackson County Schools, Marianna, FL
Lee County School District, Ft. Myers, FL
Leon County Schools, Tallahassee, FL
Louisburg School District, Louisburg, KS
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
Montgomery County Public Schools, Rockville, MD
Nassau County Schools, Fernandina, FL
Nevada R-5 School District, Nevada, MO
New Berlin Community Unit School District #16, New Berlin, IL
N. Colonie Central School District, Latham, NY
N. Jackson Unified School District #335, Holton, KS
N. Kansas City School District, Kansas City, KS
N. Plainfield School District #368, North Plainfield, NJ
Okoaloosa County Schools, Fort Walton Beach, FL
Okeechobee County Schools, Okeechobee, FL
Osceola School District, Kissimmee, FL
Owego Apalachin Central School District, Owego, NY
Palm Beach County Schools, West Palm Beach
Paola Unified School District #368, Paola, KS
Park Hill School District, Kansas City, MO
Penfield Central School District, Penfield, NY
Piper Unified School District #203, Kansas City, KS
Polk County Schools, Barrow, FL
Putnam County Schools, Palatka, FL
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
South Fork School District, Kincaid, IL
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
Vernon Township School District, Vernon, NJ
Voorheesville Central School District, Voorheesville, NY