

NEW ALBANY FLOYD COUNTY CSC

ENERGY STAR "All Star" School District

Performance Services partnered with New Albany-Floyd County to renovate nine of their facilities over a four year period of time from 2001 - 2005 through design-build Guaranteed Energy Savings Contracts. All four projects were completed on time and with "no change orders" and with energy savings having exceeding promised results. Due to the success of these projects, design-build Guaranteed Energy Savings Contracts have become New Albany-Floyd County's preferred renovation delivery method. In 2005, Performance Services helped the facilities department develop an Energy Leadership program focused on modifying staff behavior to save energy. It included all staff and students district wide and focused on a positive competitive approach between schools rather than documenting teacher non-compliance.

The cumulative effect of New Albany-Floyd County's energy savings measures over the years have enabled them to earn an ENERGY STAR rating on all 22 of their facilities and reap over \$2,000,000 in energy savings each year. NAFCCSC is one of the most energy efficient school corporations in the nation. The average energy cost is less than \$1 per S.F. for all buildings and the mean ENERGY STAR score is 98--an outstanding achievement.

ENERGY AND LEARNING ENVIRONMENT NEEDS

INTEGRATED SOLUTIONS

ENERGY EFFICIENCY

Replace old, inefficient equipment and systems with high efficiency boiler, chillers, fan systems, pumps, domestic hot water heaters and windows.

Installed digital controls to operate all of the HVAC systems.

Installed variable speed drives, CO2 sensors and occupancy sensors to further reduce energy usage.

TEMPERATURE

New properly sized fan systems with properly programmed digital controls enabled maintaining temperatures to within 1 degree F of setpoint.

NOISE

The new fan systems variable speed and some ducted, which significantly reduced background noise.

INDOOR AIR QUALITY

Verified that HVAC introduced the proper amount of fresh air at project completion and CO2 sensors enable NAFC to verify on a daily basis.

ILLUMINATION

Provided illumination at levels above 60 FC in each classroom through PSI lighting renovations



SCHOOLS: THE CHILDREN'S ACADEMY, SILVER STREET, GRANT LINE, GREEN VALLEY, GALENA, GREENVILLE, SLATE RUN ELEMENTARY, AND THE GENERAL SERVICES BUILDING

TOTAL ALL CONTRACTS:
\$10,436,401 (CPF)

COMPLETION YEAR
2001 TO 2005

SAVINGS TO DATE:
THRU DEC 2008

ACTUAL ENERGY SAVINGS:
\$368,445

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ABOUT PERFORMANCE SERVICES

We are a Design Build engineering and construction company specializing in creating optimal learning and working environments. By valuing relationships and workmanship over change orders and shortcuts, Performance Services strives to earn a 100% Customer Satisfaction rating.

