ATTICA ELEMENTARY SCHOOL

46% More Energy Efficient

CHALLENGE

The community spirit of Attica Elementary is readily apparent when crossing the threshold. Teachers and staff look out for their students and the community is warm and inviting. Unfortunately, the indoor air quality of the school wasn't so inviting in 2004. Jim Blankenship, Facilities Director, noted the outside air exchange was limited to a single source, classroom lighting was less than desirable and the aging heating and cooling equipment was in need of replacement. Energy efficiency was a second priority to the thermal discomfort and learning environment needs of the school.

RESULT

Attica Elementary proudly displays their ENERGY STAR casting at the main entrance of their building to serve as a daily reminder that their school is 46% more efficient and one of the most energy efficient buildings of its type and size in the nation.

ENERGY AND LEARNING ENVIRONMENT NEEDS	INTEGRATED SOLUTIONS
ROOM TEMPERATURES	Installed a new chiller and boiler plant and new dual temp unit ventilators. A web-based digital controls system with graphical workstation maintains temperatures within one degree of set point.
INDOOR AIR QUALITY	Installed CO_2 sensors in large gathering areas and hallways to minimize the introduction of unneeded outside air and monitor CO_2 levels. Also ensure that 15 CFM of fresh air per occupant is introduced.
AIR DISTRIBUTION	Installed new vertical air handling units to provide quality air distribution.
HUMIDITY LEVELS	Installed humidity sensors in strategic locations for dehumidification sequences.
LIGHTING	Installed new classroom and hallway high efficiency lighting and acoustical ceiling panels.
WINDOWS/DOORS	As part of the renovation project and to optimize energy savings and thermal comfort, new dual pane windows and insulated outside doors were installed throughout the building.

Performance Services

ATTICA ELEMENTARY SCHOOL

Attica, Indiana

SQUARE FT: 94,000

CONTRACT TOTAL:
$3,650,320

COMPLETION YEAR:
2004

ANNUAL UTILITY SAVINGS:
$37,899

AWARDED
ENERGY STAR® IN 2007

- 286 METRIC TONS OF ANNUAL GREENHOUSE GAS ELIMINATED
- OPTIMAL LEARNING ENVIRONMENT ACHIEVED

CONTACT:
DR. JUDITH BUSH, SUPERINTENDENT
765-762-7000

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.

ENERGY STAR PARTNER

U.S. GREEN BUILDING COUNCIL MEMBER