

## SOUTH VERMILLION COMMUNITY SCHOOLS - PHASE I & II

# \$647,077 Actual Energy Savings

"All of us at South Vermillion Community Schools are excited about this recognition for our elementary and middle schools. We are very fortunate to have a strong working relationship with Performance Services and believe that the efforts put forth to date will enable us to seek more ways to conserve energy in the future in all our buildings. It is important to not only teach our students about the value of energy conservation, but to also lead by example. This is a wonderful accomplishment and working with Performance Services, something we hope and plan to maintain for years to come."

-- Dave Chapman, Superintendent

### ENERGY AND LEARNING ENVIRONMENT NEEDS

### INTEGRATED SOLUTIONS IMPLEMENTED DURING THE SCHOOL YEAR

**TEMPERATURE** Comfort: every room is within 1 degree F of set point during the day throughout the year

Heating: a high efficiency gas fired boiler was added as a summer boiler to the heating system

Classrooms: air handlers and classroom vents were replaced in order to improve the air flow in the class and reduce the sound level to ensure a quality learning environment

**HUMIDITY** Humidity sensors and proper programming in place to keep humidity levels down, especially in the critical summer months

**FRESH AIR VENTILATION** CO2 levels are measured with sensors to maintain levels below 1000 PPM with outside air dampers at minimum position

**AIR DISTRIBUTION** New air handling units provide a path for air return in order to improve control and comfort

Fans: Drives adjusted to variable speeds to distribute proper amounts of air and save energy

**NOISE** Reduced classroom noise levels in areas below 50 dB

**OPERATIONAL SAVINGS PROJECTED** \$336,615 per year

	PROJECTED	GUARANTEED	ACHIEVED				
			YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
KWh	850,008	631,458	971,379	960,709	962,081	966,521	960,453
Therms	(15,975)	(18,762)	(15,975)	(17,498)	(15,975)	(15,975)	(15,975)
KW							



CENTRAL ELEMENTARY\*, SOUTH VERMILLION MIDDLE SCHOOL, ERNIE PYLE\* AND VAN DUYN ELEMENTARY\*

CONTRACT - MEASURED & VERIFIED:  
**\$3,008,865** (10 YR CPF)

COMPLETION YEAR:  
**2000**

SAVINGS TO DATE:  
**\$647,077 THRU 2010**

GUARANTEED ANNUAL ENERGY SAVINGS:  
**\$33,140**

AWARDED IN 2009:  
**ENERGY STAR\***

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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.

