

# Energy Incentives from We Energies



## S U C C E S S S T O R Y

### NEW CONSTRUCTION

**Customer:** Kimberly Area School District

**Project:** Woodland combined grade school and middle school

**Total Project Cost:** \$14.5 million

**Incentive:** Measure incentive: \$50,900  
Design incentive: \$12,500  
Total Incentive: \$63,400

**Savings Achieved:** Demand: 214 kW  
Energy: 376,000 kWh/year  
6,360 therms/year (interactive savings)

**Source of Lead:** We Energies Randy Sabel, Account Manager

**Architect and Builder:** Hoffmann LLC

**Date Complete:** August 2006, site inspected June 16, 2006

### Why is this a success story?

Public projects have unique issues, especially schools with multiple interest groups, decision-makers and strict timelines and budgets. In this case, the design and construction, by law, could not exceed the budget laid out under the original bond agreement decided on more than two years ago. With inflation, this made it a tough decision to incorporate energy efficiency with its potential first-cost implications. The New Construction program helped ensure that efficiency remained a key design element.

- The flexible measure incentive structure (\$/kW and cents/kWh) combined with technical assistance and energy simulation allowed the design team to perform trade-offs on measures and chose those energy-efficient strategies that had significant savings and could be accommodated within the budget.
- The design incentive encouraged the design team to invest considerable effort to iterate the best set of measures and carefully cost out the options.
- Energy-efficient features include: daylighting with automatic controls and a very low power density, additional wall insulation, high efficiency boilers, demand control ventilation, premium efficiency motors and VSDs, external shading devices on south windows.

(over)



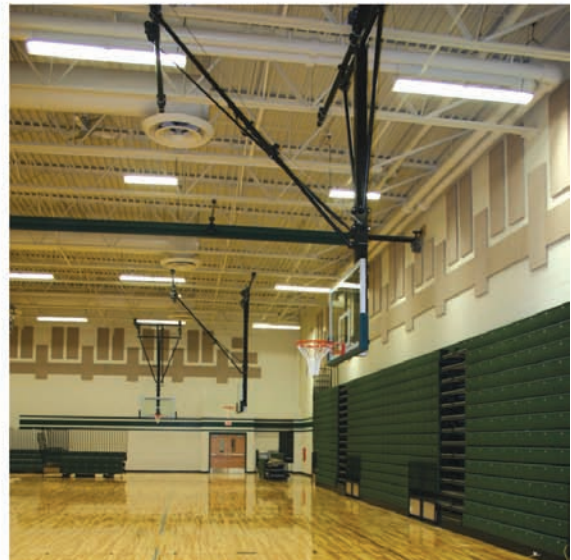
## Other Interesting Information:

Value engineering is a part of every design process, and this one was no different. Unfortunately, the clerestories in the gymnasium and the common areas that were part of the original daylighting design were eliminated from the final construction. Due to thoughtful design, superior daylighting was still achieved through use of sidelighting and the clerestories that remained in the classroom.

The design team estimated that the school would have achieved a LEED™ Silver rating had they chosen to pursue certification. Instead, the school district and design team chose to put the money back into the facility.



*Images of classroom and gym with low lighting power density lighting*



## For More Information:

888-603-5519

[www.we-energies.com/EE](http://www.we-energies.com/EE)