



## News Release

FOR IMMEDIATE RELEASE

### **Oxford Unified School District 358 Takes Comprehensive Approach to Infrastructure Improvements**

*-Trane award to recognize district for upgrades expected to save more than \$90,000 in annual operations and maintenance costs-*

**Oxford, Kan., May 2, 2011** – Oxford Unified School District (USD) leaders have incorporated a “boiler room to classroom” approach to green building. The district recently completed infrastructure improvements expected to save more than \$90,000 a year in operations and maintenance costs while incorporating an energy efficiency curriculum in the classroom.

District buildings required improvements to address approximately \$2 million in backlogged maintenance, to increase building comfort and to reduce high energy consumption. The upgrades represent initial steps in transforming district facilities into high performance buildings.

The retrofits improved the learning and teaching environment in the elementary school; the junior/senior high school; the administration building, the gym and auditorium buildings; and the maintenance building. An automated bus route optimization program was also added.

In recognition of their commitment to sustainability, leaders will receive an “Energy Efficiency Leader in Education Award” from Trane, a leading global provider of indoor comfort systems and solutions and a brand of Ingersoll Rand.

Details of the award presentation:

- Chad Remboldt, education facilities consultant, will present the award to Dr. Deborah Hamm, superintendent, Oxford USD 358.
- The awards presentation will be at 9 a.m. on Wednesday, May 4, 2011, at Oxford Junior/Senior High School Gym, 515 N. Water, Oxford, Kan.

School leaders used a performance contract to pay for the improvements which allowed them to fund the upgrades at no additional cost to taxpayers. Performance contracting is part of a facilities improvement impetus advocated by the governor and the state legislature.

A performance contract allows schools to use future energy and operational savings to finance infrastructure improvement projects. It is an option for funding energy-saving improvements in buildings that provides measurable business results. By managing and optimizing energy use, schools can leverage operational savings to support strategic educational objectives.

“These improvements make good financial and environmental sense for our district,” said Dr. Deborah Hamm, superintendent, Oxford USD. “We’re able to finance much needed infrastructure improvements without burdening taxpayers—all while incorporating an energy efficiency curriculum that teaches our young people about energy efficiency. It’s truly a win-win.”

Prior to initiating the improvements, district leaders surveyed building principals, students and the community about district needs. This research uncovered a strong desire to improve energy efficiency and to update district buildings. An audit of district buildings confirmed the potential benefits to the district.

Based on the results of the audit, district leaders selected customized energy conservation measures that best met their needs.

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## **Oxford Unified School District 358 Takes Comprehensive Approach to Infrastructure Improvements - 2**

These included installing high efficiency heating, ventilation and air conditioning (HVAC) systems to improve indoor air quality and to increase ventilation and classroom comfort. Energy efficient lighting upgrades were completed to provide optimal lighting throughout the district. Other upgrades which increased energy efficiency included window and roof upgrades and boiler replacement.

The district also added low-flow water fixtures to conserve water and reduce sewage. A district-wide building automation system was installed which enables operations staff to centrally control the HVAC systems to optimize energy and operational efficiencies while improving classroom comfort.

As part of their sustainability focus, administrators also committed to educating students about the importance of high performance buildings by incorporating the Trane BTU Crew™ curriculum into sixth-grade classes and several high school science classes. The curriculum is an interactive educational program on energy use and conservation in buildings. It teaches students ways to reduce energy use at school and at home to make a positive contribution to the environment today, and it encourages students to consider careers in potential science, technology, engineering and math (STEM) where talent is needed.

After all the improvements were completed, middle school social science students conducted an energy audit to demonstrate how the gains achieved. The students then presented their findings to the district's board of education.

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### **About Oxford USD**

Oxford encompasses 136 square miles of eastern Sumner County and a small portion of western Cowley County. The schools are located in the community of Oxford, eight miles east from the Kansas Turnpike and 30 miles south of Wichita, Kansas. The district also serves the community of Geuda Springs and surrounding rural areas. The school district has an enrollment of approximately 375 students and 63 employees including teachers, support staff, bus drivers, and administrators. Building additions to Oxford Elementary and Jr/Sr High School were completed in 2000.

### **About Ingersoll Rand**

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