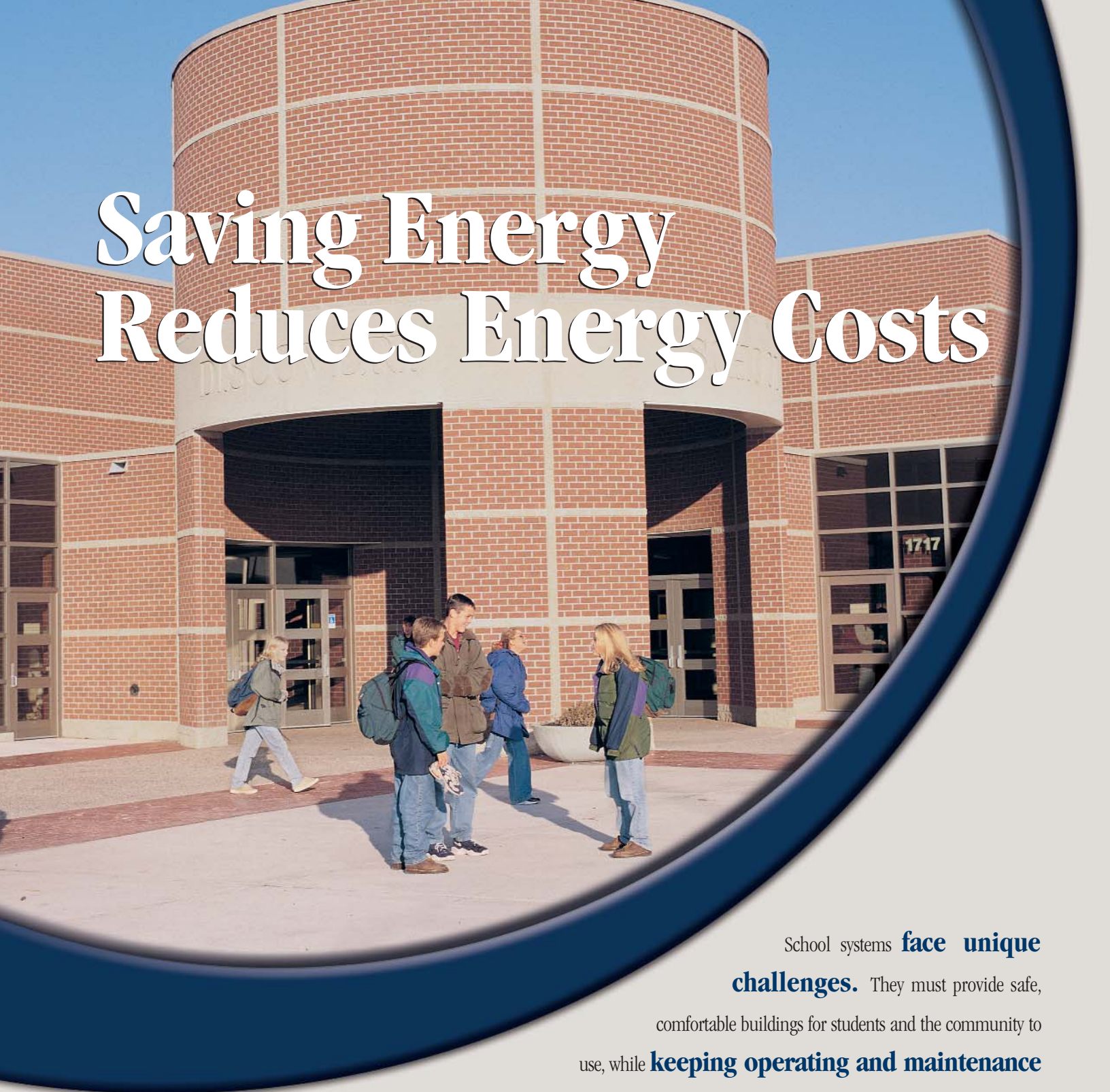


Saving Energy Reduces Energy Costs



School systems **face unique challenges.** They must provide safe, comfortable buildings for students and the community to use, while **keeping operating and maintenance**

costs to a minimum. Fortunately, WaterFurnace geothermal and water-source heat pump systems can provide **safe, cost-effective and reliable** heating and cooling for schools, making more money available for quality educational programs. WaterFurnace systems allow far greater flexibility and efficiency in design of new buildings—and upgrading of current buildings—**enabling schools to use more space for educational purposes.** And because WaterFurnace systems burn no fossil fuels and emit no harmful pollutants, indoors or outdoors, all this can be accomplished while **protecting the environment.**

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Smarter from the Ground Up™

Go to The Head of The Class

The life-cycle cost of a heating and cooling system is an extremely important consideration in the building and retrofitting of school buildings. Schools systems must plan for long-term efficiency to maximize their financial resources. Geothermal and water-source heat pump systems repeatedly have been shown to have competitive initial investment costs as well as lower operating and maintenance costs compared to other systems. This heating and cooling technology is ideal for schools of all sizes and locations, in any climate from single buildings to entire campus complexes.

WaterFurnace systems take advantage of the relatively constant and moderate temperature a few feet below the earth's surface. Geothermal heat pumps use this natural and renewable energy to warm buildings in winter, and reverse the process to cool them in summer. WaterFurnace systems can also be utilized in a water-source heat pump design that incorporates a boiler and cooling tower to provide supplemental heating and cooling during peak-season operation. By eliminating or reducing the use of fossil fuels, WaterFurnace systems significantly reduce emissions of greenhouse gases while reducing overall energy costs.

Efficient Design = Efficient Buildings

WaterFurnace systems provide educators with the opportunity to precisely control the temperatures within individual learning environments located throughout the school building. Because of a geothermal or water-source heat pump system's ability to easily transfer heat to and from an individual zone, very little energy is wasted and the overall system efficiency is tremendously improved. A variety of different sizes and configurations means these units can be installed in any school building—new or retrofit—and provide comfort and dependability from day one.

Reading, Writing and Responsibility

Because geothermal systems are recognized by the U.S. EPA as the most environmentally friendly method for conditioning buildings available (as well as the most efficient and cost-effective), a WaterFurnace system helps teachers, staff and students to learn a valuable lesson in environmental stewardship while improving the quality of life in their community.



Top: Maxey and Campbell Schools, Lincoln, Nebraska. 70,000 square feet each. Actual savings in operating costs: \$34,000 a year total.

Middle: Fond du Lac High School, Fond du Lac, Wisconsin. 402,000 square feet. Estimated savings in operating and maintenance costs: \$290,000 a year.

Bottom: Covington Elementary School, Aboite Township, Indiana. 92,000 square feet. Recipient of a \$30,000 energy-efficiency grant from the state of Indiana.



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WaterFurnace International, Inc., 9000 Conservation Way, Fort Wayne, IN 46809-9794. WaterFurnace has a policy of continuous product research and development, and reserves the right to change design and specifications without notice.

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