August 2008

KU an E·ON company

POWERSOURCE

Customers first. Energy that lasts.

Kids! Food for Thought

As you get ready to go back to school, many of you are thinking of how much fun you can still have! And, how much you have learned this summer about energy and energy efficiency, too!

- *New "Tech•Notes" on "Horse Heads"*
- *Ways you can "Lighten•Up" Home Energy*
- *"Power•On" with Scrubbers*
- *What Else Did Thomas Edison Invent?*
- *How to be Eco•Centric before the end of the year!*

Tech•Notes

What Does "Horse Head" Mean to You?

Everyday words sometimes have a different meaning to people who work in energy industries. A horse head pump (shaped like a horse's head) is sometimes used to pump oil from a well.

Eco•Centric

Changing A Light Bulb Can Change the World!

Every year, the U.S. Environmental Protection Agency and U.S. Department of Energy co-sponsor the annual National ENERGY STAR® "Change a Light" campaign, which runs through November. The campaign encourages Americans to replace one traditional incandescent light bulb in their home with one compact fluorescent light bulb (CFL) as a way to save energy and decrease global climate change.

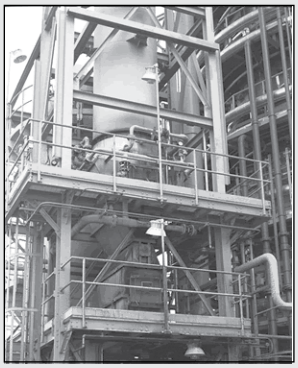
Even though CFL bulbs are more expensive than traditional bulbs, they can last ten times as long. Plus, you save on energy costs. Using a 100 watt regular incandescent bulb for 10,000 hours at an energy cost of $0.07 per kWh will cost you $70. Using a 23 watt CFL for 10,000 hours at the same energy rate will cost you only $16.10. This is a savings of $53.90, without factoring in the savings in air conditioning energy as CFLs generate much less heat than regular bulbs!

Reducing your energy use with CFLs will also directly impact carbon dioxide (CO_2) emissions. Comparing the same two bulbs, using the CFL will emit 308.2 lbs of CO_2 versus the 1,340 lbs of CO_2 emitted by the incandescent bulb. That's 1,031.8 lbs or 77% less greenhouse gas emissions from one bulb. Multiply this by the many lights in your home, your neighborhood, your city and you begin to realize that changing one bulb really can change the world!

For more information about ENERGY STAR products, saving energy, or signing the "Change a Light" pledge, visit the Energy Star Web site: www.energystar.gov.

Power•On

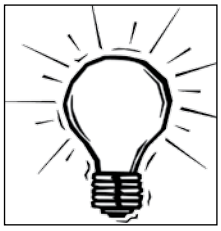
A "Scrubber" Is Not What You Think!



A scrubber is a technology that traps pollutants and keeps them from escaping into the air. Scrubbers in an electric power plant trap sulfur that is produced from generating electricity.

Source: Energy Information Administration

Do You Know What Else Thomas Edison Invented Besides the Light Bulb?



Thomas Edison was born in 1847 in Milan, Ohio. Young Tom didn't do very well in school, so his mother decided to teach him at home. She gave him lots of books to read. Tom was a curious boy. He always wanted to know how things worked. He liked to see if he could make them work better. His mother let him set up a laboratory in the house where he could experiment with things.

As a young man, Tom set up a lab of his own, where he could try out his ideas. He invented lots of things in his laboratory. Guess what his favorite invention was? It was the phonograph. Before the phonograph, if you wanted to hear music, you had to play it yourself or go to a concert.

Edison's most famous invention was the light bulb. At the time, people used gas or oil lamps to light their homes. Edison knew it would be cheaper and easier to use electricity. The trouble was, nobody knew how to do it. Edison worked on his idea a long time. He tried lots of things that didn't work. But he didn't give up. He kept trying until one day it worked! Today, you can flip a switch and have light any time you want it.

Edison also built the first power plant. Edison's Pearl Street Power Station opened in 1882 in New York City. It sent electricity to 85 customers and made enough power to light 5,000 lamps.

Edison also invented the movie camera. When you go to the movies or watch TV, you can thank him for his ideas and hard work. Many of the electric machines you see at home or at school came from his ideas.

Inventing things was what Edison liked best. He thought about how things worked. Then he thought about how he could do it better. That is called inspiration. The hard part came next. Edison had to make his ideas work. He tried all kinds of things until he found exactly what would work. He called that perspiration. He said that invention was "one percent inspiration and ninety-nine percent perspiration."

Lighten Up

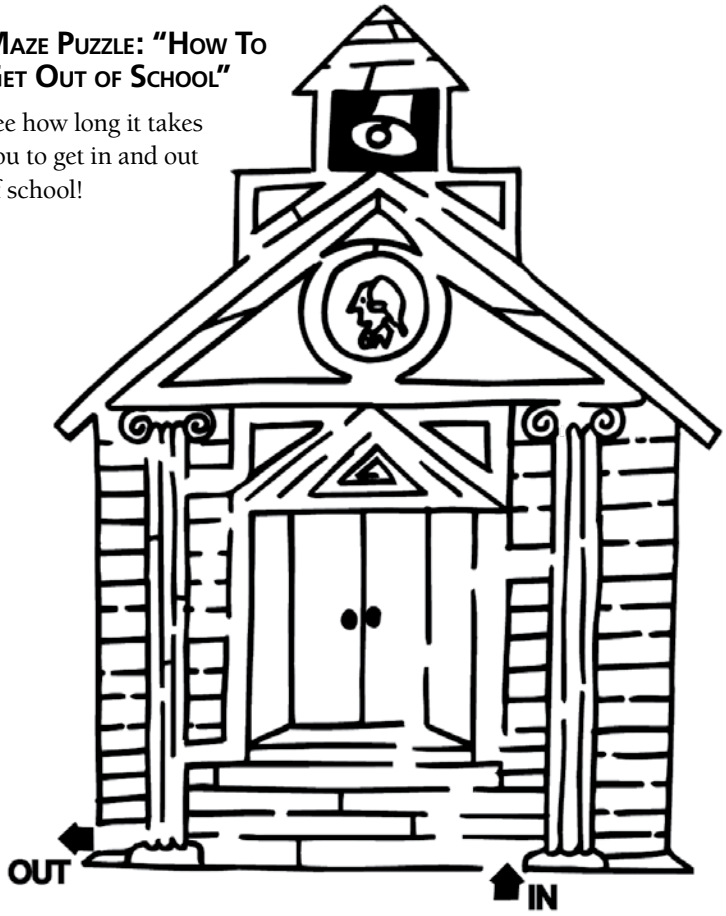
Home Energy Savings That Save You Money!

Changing to a programmable thermostat in your home has the potential to save up to $100 a year on heating and cooling bills. Most of today's thermostats provide the opportunity to customize seven days of programming. A new model on the market is wireless and portable. It allows the ability to warm or cool specific rooms. Even more advanced models work with home security systems, allowing consumers to make adjustments from their computers or phones, even when they are not home.

Other thermostat advances include models that monitor home energy use and turn off certain appliances to take advantage of off-peak rates. For more information, visit the Energy Star Web site: www.energystar.gov.

Maze Puzzle: "How To Get Out of School"

See how long it takes you to get in and out of school!



Contact Information

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For hearing/speech-impaired
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24-hour Power Outages
(800) 981-0600

Business Service Center
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