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DID YOU KNOW?



The U.S. Department of Energy (DOE) recently announced nearly \$8 million to advance research and development of next-generation HVAC technologies offering significant energy and cost savings in new and existing buildings.

MARKET TRENDS



Building Growth

U.S. COMMERCIAL BUILDINGS CONTINUE TO GROW



Since 2003,

14% increase in the number of buildings

21% increase in floorspace

5.6 million commercial buildings totaling **87 billion** ft² of floorspace in 2012

Source: EIA's Commercial Buildings Energy Consumption Survey

View a larger version of this image, [here](#).

Greetings,

The summer is heating up and [Air Temp Heating & Air Conditioning, Inc.](#) wants to help make sure your HVAC system is prepared to handle the heat. This month's edition of Hot Topics and Cool Solutions not only gives you tips and tricks to help save energy, but also shares the latest trends to help improve your facility management.

Looking for solutions to get your building equipment in tip top shape? Then give us a call today to see how we can help save your business energy and money.

Summertime Energy Savers

Are you looking for ways to positively affect your company's bottom line this summer? With the Environmental Protection Agency stating 30 percent of the



energy consumed in buildings is used inefficiently or unnecessarily, making a few adjustments to the management of your facility is a step in the right direction. Performing an energy audit can illuminate the best options and here are a few easy, money-saving tips to help get you started:

- **Programmable thermostats** make it easy to regulate temperatures for different times of use. A locking cover can help prevent employees from having heat versus air battles.
- **Keep room temperatures comfortable.** It makes little sense to keep a room cold enough that workers must wear suits, sweaters or jackets during the summer.
- **Ceiling fans** make rooms feel at least four

The U.S. Department of Energy's Energy Information Administration's [Commercial Buildings Energy Consumption Survey](#) (CBECS) shows that, in the past decade, not only are the number of commercial buildings growing, but the size of those buildings are outpacing the increase of new buildings.



QUESTION: What is the best temperature to set the thermostat at during summer months?

ANSWER: The American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) finds "The preferred temperature range for occupants dressed in summer clothes is 73° to 79°F." Discover your employees' comfortable range and program the thermostat at the average.



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degrees cooler during the summer.

- **Keep cooling and ventilation systems tuned.** Maintain a regular air filter replacement schedule and don't forget to check ducts and pipe insulation.
 - **Close window blinds** to shade offices from the sun's heat; window films, solar screens and awnings in south and west facing windows are also good, heat-reducing options.
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Retrofits Save Energy and Money

Although the economy is improving since the recession, many building owners and operators are still hesitant or unable to invest in HVAC replacements and would



prefer to repair the equipment that has served them for many years. Retrofits can provide an affordable solution to extend the life of existing HVAC systems and give facility owners and operators the option to postpone the costs of replacing an entire piece of equipment. Plus retrofit upgrades can offer significant energy savings and improved performance for years to come.

There are a variety of options and solutions available in today's market to retrofit chillers, boilers, ducts, enable refrigerant changes and more. Effective retrofits not only save money that may be wasted on inefficient energy use, equipment maintenance and repair, but they can also improve the comfort and wellbeing of building occupants. Plus, many utility companies offer rebates that can help pay for the cost of retrofitting equipment, while the yearly return on investment for these types of projects can make up for the initial investment costs.

GREEN INITIATIVES

ENERGY SMART

COMFORT ZONES

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