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DID YOU KNOW?



A [recent report](#) by McKinsey & Company estimates that operational improvements can reduce energy consumption by 10 to 20 percent, while investment in energy-efficiency technologies can boost that to 50 percent or more.

MARKET TRENDS



2015 State Energy Efficiency Scorecard

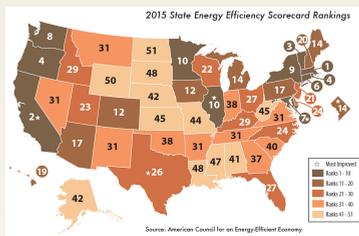


Image used with permission of American Council for an Energy-Efficient Economy (ACEEE).

Energy efficiency measures continue to flourish in states across the country, with several states - including California, Maryland, Illinois, Texas and Washington, DC taking major steps that improved their scores in the ninth annual edition of

Greetings,

November is a time to give thanks for everything that makes your life joyful and prosperous. It is also a good time to reflect on how to improve your business in the coming New Year and cut down on unnecessary wastefulness. This month's edition of *Hot Topics & Cool Solutions* looks at how you can improve your facility's work environment for employees as well as reduce energy waste.

We hope you find this information helpful and want to thank you for being a customer of [Air Temp Heating & Air Conditioning, Inc.](#) Happy Thanksgiving!

Facility Weapons for Fighting the Flu

Flu season is officially upon us and can be expected to last through May, reaching its peak between December and February. What are you doing to ensure your



workers are safe from an influenza outbreak? While common-sense measures like washing hands and sanitizing surface areas should be encouraged, airborne particles carrying the flu virus cannot be ignored. Research shows that such particles can travel more than 200 feet away from the original cough or sneeze that set the particles flying. In fact, a study by the Massachusetts Institute of Technology found that small droplets can remain airborne long enough to travel through air ventilation systems.

Utilizing air filters with high MERV ratings, or preferably HEPA filters, can help reduce the number of airborne virus particles circulating within your facility. Another effective option is to install air purifiers, which can seriously reduce airborne germs as well as cut down on allergens and odors. Some

ACEEE's State Energy Efficiency Scorecard. [Click here](#) to access the original report.



QUESTION: Is there a way to monitor the current air quality in my area?

ANSWER: There's an app for that! UCLA's new, free [AirForU app](#) uses GPS data to give mobile users their local air quality ratings. The app draws data from monitors set up nationwide and tracked by the Environmental Protection Agency. Users can also search for air quality in specific cities or zip codes, and push notifications alert the user if air pollution becomes unhealthy for sensitive groups.



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high-tech, commercial air purifiers have been found to remove up to 99 percent of airborne influenza virus particles within only 35 minutes of operation. Investing in such technology can pay off greatly in the health, well-being, improved productivity and minimized absenteeism of employees. [Click here](#) to read more about this topic from Building Services Management magazine.

Stop Building Energy Waste

Do you know how your facility may be wasting energy? According to the U.S. Environmental Protection Agency, the average building wastes 30% of the energy it consumes due to inefficiencies. Below are five common energy mistakes you should make sure your facility isn't guilty of making!

- **Blocked Vents** - blocking the flow of heated or cooled air from vents is a common mistake that can result in uncomfortable, uneven temperatures and misused energy dollars
- **Unnecessary lighting** - leaving lights on after hours or lighting rooms when they are not in use is a common practice that isn't too bright
- **HVAC Controls** - investing in advanced HVAC controls can save as much as 30% or more on heating and cooling bills. State-of-the-art technology gives modern controls the ability to use real-time data of building conditions to adjust settings, help equipment run more efficiently and cut energy use overall
- **Inefficient Equipment** - facility equipment that doesn't function correctly or is poorly maintained can create an unnecessary drain on your energy budget. In addition, older equipment rarely performs as well as new, ENERGY STAR- certified equipment.
- **Always-on Electronics** - from not shutting off computers at the end of the day to leaving on printers 24/7, electronics are big users - and wasters - of energy. Using automatic power saving modes and smart power strips are easy options to prevent throwing away energy on these common culprits

Looking for more ways to save energy at your office? [Click here](#) to view the Office Energy Checklist from

the Department of Energy's Federal Energy Management Program.

GREEN INITIATIVES

ENERGY SMART

COMFORT ZONES

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