HOT TOPICS & COOL SOLUTIONS

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In This Issue

How Will New Coal Restrictions Affect Company Utility Costs? Balancing the Energy Equation



Newly proposed bill <u>H.R.</u> <u>4092</u> would establish an office within the Department of Energy to coordinate federal, state and local programs to help schools become more energy efficient. Schools spend \$6 billion per year on energy.

Six World Cup Stadiums Achieve LEED Certification from U.S. Green Building Council

MARKET TRENDS



larger version.

Brazil is among the world's top 5 countries with LEEDcertified projects, totaling

Greetings,

Energy efficiency is making headlines as the Environmental Protection Agency promotes new energy efficiency bills for schools and confronts the idea of climate change with new coal regulations that plan to significantly reduce carbon dioxide emissions by 2030.

How do you plan to make your company more energy efficient? The first step is to call <u>Air Temp Heating & Air</u> <u>Conditioning, Inc.</u> to ensure your HVAC units are functioning properly this summer.

How Will New Coal Restrictions Affect Company Utility Costs?

The news is littered with casualties from the battle between government officials, industry lobbyists and environmental activists refuting and disputing the economic and environmental costs of new coal regulations proposed by the Environmental



Protection Agency (EPA); regulations that plan to reduce carbon dioxide emissions from existing coal plants by as much as 30 percent by 2030, as compared to 2005 levels. While industry advocates push the U.S. Chamber of Commerce's Institute for 21st Century Energy's report that project the new regulations could increase energy costs by more than \$289 billion by 2030 and put hundreds of thousands of Americans out of work, the Natural Resources Defense Council (NRDC) fires back that making these environmental changes will instead deliver more than \$50 billion in health/environmental benefits, save American household and business customers \$37.4 billion annually on electricity bills and create more than 274,000 jobs.

American businesses not directly caught in the crossfire are sitting on the sidelines, fearing how the outcome will affect their own energy and utility costs. The EPA says that by 2030 electricity rates will decline by eight about three million square meters. Brazil has continued their tradition of sustainable building leadership by constructing 6 LEEDcertified World Cup stadiums.

Learn more about the stadiums <u>here</u>.



QUESTION: How does climate change affect energy usage?

ANSWER: Water is used in all phases of energy production and electricity generation, while energy is required to extract, convey, deliver and treat water. Higher temperatures increase electricity usage and make cooling processes less efficient, while drought means less water is available for energy production and oil/gas extraction.



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percent, but the costs of regulation implementation, passed on to consumers, can create higher energy prices and electricity bills in the near future. While there is no way to say for sure what will happen, now is definitely the time to focus on energy efficiency. According to the EPA, U.S. commercial and industrial buildings' energy use is responsible for approximately \$200 billion in annual costs, while businesses that earn EPA's ENERGY STAR certification use 35 percent less energy than typical buildings. The bottom line is: reduce your energy use and you will reduce your owning and operating expenses.

Balancing The Energy Equation

From: <u>Energy Costs: Balancing The Energy Equation</u>, <u>FacilitiesNet</u>

Managing and reducing the cost and consumption of energy and water are integral to a facility manager's responsibilities. Although many organizations, especially larger ones, have instituted the position of energy manager, the facility manager is tasked with operating efficient systems and reducing consumption and cost.

To achieve this, a master plan should be developed that focuses on two distinct components:

- 1. **Supply Side** How fuel, water, and power are acquired.
- Demand Side How fuel, water, and power are consumed and the operation and maintenance of the systems and equipment as well as on-going sustainability practices.

Together with an energy manager, upper management, occupants, and facility staff, facility managers can develop this comprehensive plan for managing the cost and consumption of fuel, water, and power, and work to achieve high performance environments for their occupants.

Click the article link above to learn how to create your company's master plan for energy efficiency.

