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DID YOU KNOW?



46% of energy efficiency project decision makers think efficiency projections are "Too Good to be True," according to a [2015 Energy Projects Survey](#) by Noesis

MARKET TRENDS



Green Building

Green Building is Growing



600%

ENERGY STAR-labeled buildings increased nearly 600% since 2005

1,000%

More than 1,000% increase of LEED certified buildings since 2005

8,405

8,405 office buildings have been awarded an ENERGY STAR label

5,470

5,470 office buildings have received some type of full-building LEED Certification

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Greetings,

Companies are taking notice of the importance of investing in sustainable "green" buildings not only for their environmental benefits and energy savings, but also for the health and wellbeing of the employees that use them every day. This month's newsletter focuses on the importance of maintaining a healthy, well-ventilated building along with the latest trends in energy efficiency and green building.

How does your building measure up? Give [Air Temp Heating & Air Conditioning, Inc.](#) a call today to see how you can improve your buildings health and save money with energy efficiency improvements.

Workers Require Healthy Buildings

The World Green Business Council recently announced a global project to "define the health and productivity benefits of green office buildings" and there are already studies that show improved ventilation can



boost employee productivity by 11 percent while improved lighting design, especially natural light, can lead to productivity gains of 23 percent. Companies that ignore the environmental and social impacts of their buildings risk unhappy, unhealthy workers with low productivity. With an average of 85 percent of a company's costs being spent on salaries and benefits, even modest improvements to employee health and productivity can result in a dramatic impact on profits.

Regulators and employers alike are taking notice and taking action by enforcing stricter building regulations, investing in green building and taking into

image, [here](#).

The sustainability of commercial buildings has a significant effect on the environment with real costs in energy, natural resource use and greenhouse gas emissions. Energy efficiency and sustainability programs are growing as regulators and corporations recognize the importance of green building.

Source: [National Green Building Adoption Index](#)



QUESTION: What are "Demand charges" on my company's utility bill?

ANSWER: A demand charge is based on the highest demand reached for any 15-minute interval in the billing cycle. If a facility uses a high amount of energy at once, even if only for a short period of time, it can end up costing more than consistently using a moderate amount of energy. Demand charges are gaining popularity among utility regulators as a way to reduce peak demand.



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consideration the effect the workplace environment has on employee wellbeing. How is your building helping or harming workers? Give [Air Temp Heating & Air Conditioning, Inc.](#) a call today to see how we can make a difference!

Managing Energy Efficiency for Data Centers

Data processing fueling the information economy also fuels the continued energy consumption of data centers. As the information economy expands, so will demand for energy by data centers.



Data centers already consume a high amount of electricity. US data centers were responsible for 91 billion kilowatt hours in 2013, and that number is expected to climb to 140 billion kilowatt hours by 2020, according to the Natural Resources Defense Council. That adds up to \$13 billion in costs, 100 million metric tons of carbon emissions and, notably, about 2 to 3 percent of all US electricity use.

To offset these increases, the White House has challenged US data centers to improve their energy efficiency by 20 percent - more than 20 billion kilowatt hours - before 2020. Through its "Save Energy Now" initiative, the US Department of Energy is training data center energy practitioners (DCEPs) to help facilities realize these goals.

Find out more by reading the full article [here](#), originally published in Energy Manager Today.

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