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Green Energy Solutions

Today's Savings..... Tomorrow's Future



May 28, 2010

Welcome to the free newsletter from ColonialWebb's Green Energy Solutions - your source for relevant, timely industry and technology news for commercial building owners and managers wanting to lower operational costs while decreasing their carbon footprint.

Electrical Sub-Metering, A Cost Effective Way to Identify Energy Waste

Electrical sub-metering is an inexpensive and essential tool when assessing a building's overall energy use. Advances in sub-metering allow building owners and managers unparalleled access to information regarding their energy spending. Newer technologies allow precise indication of where energy is being spent, all the way down to individual equipment. Sub-metering gives you access to not only determine where you need to concentrate your energy strategy now, but trend lines across multiple months and years will help you predict future energy costs.

[Read more about sub-metering here.](#)

EPA's Biggest Energy Loser

The EPA is hosting their own online competition, Working off the Waste, with ENERGY STAR. Over 200 building entries were submitted and in the end 14 were chosen. The competition is simple, the building that's able to shed the most energy waste, based on a reduction in energy use intensity, wins. Buildings are measured monthly using EPA's Portfolio Manager. Throughout the time frame, the building owners may use methods such as commissioning, building retrofits, and the installation of new technology to compete. The buildings' improvements and progress can be tracked online at the official website. The winner will be announced October 26.

[Click here to visit the competition's official website.](#)

Data Centers have High Potential for Significant Energy Savings

Several countries, including the US, have recently agreed on guiding principles for globally accepted data center energy efficiency metrics. Retrofits are an excellent way to prepare for the potential of new legislation metrics. New data center equipment gain savings from lower energy consumption, less heat and waste generation, and a longer life cycle. With centers running 24/7, a 1% to 3% reduction in energy use can equal thousands of dollars in annual savings. IT tips for buying green include: developing green specifications and standards as purchasing guidelines, asking vendors for refined power management capabilities, and gaining support from top management for green equipment purchasing initiatives.

[For more tips and to read an in-depth analysis of "Green IT" click here.](#)



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Tip of the Month

Retro-commissioning your facility has a typical annual savings of 16% and is one of the cheapest ways to be energy efficient.

Upcoming Events

Washington Regional Green Roofs & Walls Conference and Training - Washington, DC, June 1-3.

Join the EPA, GSA, and Washington, DC as they sponsor an event dedicated to sharing ideas and educating professionals on green roofing and walls. This event's agenda includes workshops, seminars, and vendors.

[For more information click here.](#)

O + M 301: Implementing the Operations and Maintenance LEED Rating System - Washington, DC, June 21.

This workshop is intended for building owners, operators, and suppliers who are familiar with the LEED for Existing Buildings: Operations & Maintenance Rating System, but new to implementing it on projects or looking for ways to implement best practices.

[Click here for more information.](#)

Powering our Buildings with Clean Energy - Richmond, VA, June 29.

Join the Virginia Sustainable Building Network's 15th anniversary celebration and annual meeting to hear talks on topics such as fuel cell technology, the future of offshore wind power, and geothermal technologies. Exhibitors will also be on hand to discuss advances in green technologies.

[Click here to register.](#)

This newsletter is produced by ColonialWebb. We are an energy solutions provider focusing on HVAC, electrical, water, building automation systems, and industrial refrigeration along the East Coast. For more information please click our logo.



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