



The
HVAC&R Industry
A weekly eNewsletter from ASHRAE



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Advancing HVAC&R To Serve Humanity and Promote a Sustainable World

The HVAC&R Industry, ASHRAE's free weekly eNewsletter for HVAC&R professionals, provides relevant, timely information about industry and technology for people who create healthy, comfortable indoor environments.

Industry News

Water Is Growing Concern in Building Industry

NEW YORK—Water is a growing concern in the building industry, according to a new survey. Sixty-nine percent of respondents to the McGraw-Hill Construction survey currently rate water efficiency as being extremely important, and 85% said that water efficiency will be extremely important by 2013. That level of importance is near the importance placed on energy efficiency. The report says buildings consume 20% of the world's water supply.

Developing World Now Consumes More Energy than Developed Countries

LONDON—Developing nations now consume more energy than the industrialized countries, according to a report by energy company BP. The *2009 BP Statistical Review of World Energy* also found that energy consumption in the United States declined nearly 3% in 2008. China's energy consumption increased more than 7% last year. Total world energy consumption increased slightly.

President Announces New Federal Lighting Standards

WASHINGTON—U.S. President Barack Obama this week announced more stringent energy efficiency requirements for certain types of lighting, effective 2012. The new rules are expected to reduce electricity used by affected lamps by 15% to 25% and save consumers \$1 billion to \$4 billion a year. Seven percent of all the energy consumed in the United States is used for lighting.

Performance Data Requirement Added to LEED® v3

WASHINGTON—The latest version of the U.S. Green Building Council's LEED® program will require actual performance data on a recurring basis as a precondition for certification. Buildings using LEED v3 can meet the requirement by either being recertified every two years, providing energy and water usage data on an ongoing basis, or by authorizing USGBC to access the building's energy and water usage data directly from the building's utility provider.

Sears Tower To Undergo Energy-Efficiency Retrofit

CHICAGO—The Sears Tower will undergo a five-year, \$350 million retrofit that is intended to reduce electricity use by 80%. The retrofit will affect the glass exterior, internal lighting, heating, cooling and elevator systems. Wind turbines will be installed on the building's rooftops as part of the retrofit. The 110-story skyscraper is the tallest

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ASHRAE News

CDC and HUD Recognize ASHRAE Ventilation Guidance

The Centers for Disease Control (CDC) and the U.S. Department of Housing and Urban Development (HUD) have cited ASHRAE guidance as a means for creating healthy homes. Recently, the acting Surgeon General released *The Surgeon General's Call to Action to Promote Healthy Homes*, part of a coordinated effort to stimulate a national dialogue about creating healthier homes. ASHRAE Standard 62.2-2007 was recommended as an effective way to reduce indoor air pollution through ventilation in the supporting guidance for builders and homeowners.

Feature of the Week

Hybrid Desiccant Cooling Systems

By M.H. Saidi and S. Vazirifard

This article discusses the use of hybrid desiccant cooling instead of conventional vapor compression cooling. The authors explain how hybrid desiccant systems can provide greater efficiency while removing moisture by substituting some of the electrical energy needed with solar energy, heat reclaim coils and excess steam capacity.

Product News

Unit Heater from Reznor

SELMA, Texas—Reznor® offers the Model UEAS unit heater in four sizes. The heater uses the company's Tcore³® titanium-stabilized heat exchanger with an extruded aluminum secondary heat exchanger to achieve up to 93% efficiency.

Ductless Heat Pump From Mitsubishi

SUWANEE, Ga.—Mitsubishi offers the Mr. Slim H2i P-Series ductless heat pump system. The system uses the company's INVERTER-driven scroll compressor technology to ensure that room temperature is reached quickly and desired comfort level is maintained consistently, while conserving energy. The unit exhibits 100% of rated heating capacity at 5°F (−15°C) and 87% at −4°F (−20°C) outdoor ambient temperature.

VAV Terminals From Johnson Controls

YORK, Pa.—Johnson Controls offers a line of VAV terminals in a variety of configurations, including single-duct, single-duct/low-height, and series- and parallel-flow. The terminals are available with several heating options and piping packages. Control options include analog electric, pneumatic and consigned DDC.

Subscription Management

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