



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**

**Some U.S. Companies Turning to 'Greener' Refrigeration**

WASHINGTON—Some consumer product companies are promoting freezers and refrigerators in the U.S. that use propane, butane and other coolants that produce less greenhouse gas emissions than conventional refrigerants. New hydrocarbon coolers are being tested by Ben & Jerry's ice cream company at stores in the Washington and Boston areas. General Electric is seeking approval to market a home refrigerator in the U.S. using a hydrocarbon refrigerant. Coca-Cola is hoping to convince others to adopt the technology and drive its price down through increased demand.

**Massachusetts Offering Money for High Performing Buildings**

BOSTON—Massachusetts is trying to encourage the development of high-performing buildings by offering \$15 million in federal stimulus funding for new projects. The state says it wants projects that significantly reduce energy consumption and substitute renewable energy sources for fossil fuels. It is also looking for technologies that improve upon existing energy-efficiency programs. Awards will range from \$500,000 to \$5 million.

**U.S. Energy Bill Could Create 1.9 Million Jobs by 2020, Says Study**

BERKELEY, Calif.—Energy-efficiency measures contained in the American Clean Energy and Security Act could create up to 1.9 million new jobs and increase gross domestic product by up to \$111 billion by 2020, according to a report by economists at University of California-Berkeley. The study analyzes pollution-reduction and energy-efficiency measures contained in the bill. The bill has passed the U.S. House of Representatives and is now before the Senate.

**LEED Platinum Homes Transform Post-Katrina New Orleans Community**

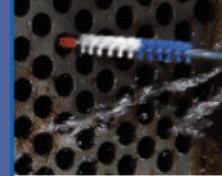
NEW ORLEANS—A housing initiative launched in 2007 to revitalize an area of New Orleans devastated by Hurricane Katrina is now the "largest and greenest community of single-family homes in the world," according to U.S. Green Building Council president and CEO Rick Fedrizzi. The "Make It Right" community already has 13 LEED Platinum homes, and at least 150 storm-resistant, sustainable residences are being built in the Lower 9th Ward neighborhood.

**ASHRAE News**

**Carbon Monoxide Alarms Proposed for ASHRAE Residential Ventilation Standard**

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**CRITICAL CLEANING DEMANDS GOODWAY.**



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ASHRAE is proposing that carbon monoxide alarms be required in homes. Under proposed addendum 1 to ANSI/ASHRAE Standard 62.2-2007, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*, carbon monoxide alarms would be required to be installed outside of each sleeping area. The proposed addendum is open for public comment until Oct. 26. Nine other addenda, unrelated to CO, also are open for review.

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#### Feature of the Week

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#### Data Center Cooling Using Wet-Bulb Economizers

By **C. Mike Scofield, P.E.**, Fellow ASHRAE; and **Thomas S. Weaver, P.E.**

According to the authors, increasing heat densities produced by the modern electronics inside data centers have forced designers to reevaluate central station air-handling units as a design solution. Wet-bulb economizers offer several advantages over CRAC systems, including simplified room dew-point control and refrigeration and filtration redundancy.

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#### Product News

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#### Thermal Storage Tank From Rheem

MONTGOMERY, Ala.—Rheem introduces the Marathon two-port thermal storage tank, designed for solar, geothermal and hydronic water heating systems. It features a rust- and corrosion-resistant inner tank encased in 2.5 in. (64 mm) of polyurethane foam insulation to minimize heat loss through the walls of the tank and reduce energy consumption.

#### Multiple Zone AC System From LG Electronics

NASHVILLE, Tenn.—LG Electronics offers the Duct-Free Flex Multi-Split Multi-Zone air-conditioning system. The system can operate up to four units mounted in separate rooms. It features built-in inverter technology to enhance energy efficiency.

#### Fan Speed Control From Johnson Controls

MILWAUKEE—Johnson Controls introduces the P266 single-phase condenser fan speed control for single-phase permanent split capacitor (PSC) motors used in outdoor low-ambient refrigeration and air-conditioning condenser applications. It reduces power and motor temperature at lower speeds, and features a stainless steel electronic pressure transducer that prevents refrigerant leaks.

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