



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

'Dry-Shipping' of R-22 Equipment Continues Despite Ban

WASHINGTON—HVAC&R manufacturers are continuing to produce and sell equipment that uses R-22 refrigerant, despite a 2009 U.S. Environmental Protection Agency (EPA) mandate that such manufacture should cease on Jan. 1, 2010. A report in *The Air Conditioning, Heating and Refrigeration NEWS* says that companies are skirting the ban by "dry shipping" the equipment without refrigerant installed. Industry experts say that tens of thousands of "dry" units have been shipped. One company representative said "Millions will be sold." The relatively cheap price of and steady demand for R-22 refrigerant and related equipment and loopholes in the language of the EPA order are cited as motivations.

Emissions Trading Program Wafts Away

CHICAGO—A pilot program designed to encourage emissions mitigation through offsets trading is shutting down. The Chicago Climate Exchange's trade markets will be shut down by the end of the year, essentially bringing an end to emissions trading in North America. Some activities will continue until 2012, and will mostly be limited to emissions mitigation associated with forestry and farming. Officials at the exchange attributed the planned shutdown to the U.S. Congress' inability so far to reduce emissions through legislation.

USGBC Launches LEED for Retail, Program for High-Volume Developers

CHICAGO—The U.S. Green Building Council (USGBC) has launched the LEED for Retail green building rating system. The new rating system is designed to promote the integration of green building design, construction, and operation into new retail construction, retail interior and build-out projects. Nearly 100 national and independent retailers and franchisees participated in the LEED for Retail pilot program since its launch in 2007. USGBC also has initiated the LEED Volume Program, a certification program that was created to streamline and make the LEED certification process faster and more manageable for high-volume property developers such as national retailers, hospitality providers and local, state and federal governments.

Fate of Ambitious Las Vegas Hotel in Limbo

LAS VEGAS—One of the high-rise hotels in the \$8.5 billion Las Vegas CityCenter could be gone before it opens. The Harmon Hotel has been deemed unfit to open because of extensive, nonconforming construction work. There is even talk of imploding the luxurious hotel before it ever sees a single guest. The 400-room Harmon Hotel & Spa was originally supposed to also include 200 residential units but that project was canceled. It was supposed to open this year.

Solar Will Shine at 2011 AHR Expo

WESTPORT, Conn.—Solar products and technologies and their role in the HVAC&R marketplace will take center stage at the 2011 AHR Expo in Las Vegas, Jan. 31 – Feb. 2. In addition to solar products on display, there will be more than a dozen seminars focused on solar-related topics, as well as demonstrations of solar technology throughout the three days of AHR Expo. "Solar is one of the fastest-growing segments of the many sustainable technologies featured at the Show," said Clay Stevens, president of

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International Exposition Company, which produces and manages AHR Expo.

ASHRAE News

ASHRAE GreenGuide Updated

The newly published third edition of the *ASHRAE GreenGuide: The Design, Construction and Operation of Sustainable Buildings*, features new information on guidelines on sustainable energy master planning; information on how issues related to carbon emissions affect building design and operational decisions; building information modeling (BIM); strategies for greening existing buildings; updates on newly developed green building rating systems and standards; and compliance strategies for key ASHRAE standards. Also, "GreenTips" found throughout the edition highlight techniques, processes, measures or special systems in a concise format. The GreenGuide is intended to be an easy-to-use reference that covers the most pertinent information of sustainable design.

Feature of the Week

Understanding Attic Ventilation

By **Joseph Lstiburek, Ph.D., P.Eng.**, Fellow ASHRAE

According to the author, the choice of to vent or not vent attics or roofs is a design and construction choice, not a requirement determined by physics or by building codes. This article presents design considerations for vented and unvented attic designs. It gives particular attention to climate considerations.

Product News

Variable Speed Drives From Taco

CRANSTON, R.I.—Taco introduces the Advantage line of commercial variable speed drives. The drives feature pumping technology and are designed to provide optimal reaction times and scalability to match application requirements for speed, size and protection. The seismic-qualified drives also feature advanced diagnostics and voltage ride-through capability.

Evaporator System From Colmac Coil Manufacturing

COLVILLE, Wash.—Colmac Coil Manufacturing announces the AI Aircoil high efficiency, low noise evaporator, designed for liquid overfeed (pumped), DX, or brine system applications with any refrigerant. The unit's fans are individually compartmented with continuous tube sheets to permit fan cycling. The fins are continuous plate type with a proprietary surface configuration that produces maximum heat transfer with minimum air pressure drop to minimize energy use.

Insulation System From Knauf Insulation

INDIANAPOLIS—Knauf Insulation North America introduces the Knauf Insulation and Sealing System (KISS). The system is a combination of Knauf EcoBatt insulation. The insulation consists of "green" materials such as sand and post-consumer recycled glass. The sealant protects against air infiltration and drafts.

Subscription Management

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) is an international membership organization founded to advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related issues.

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