



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

Many Professionals Reluctant To Adopt Collaborative Design

WAYLAND, Mass.—Many building industry professionals believe an integrated process of working collaboratively as a team from the inception of a project has too many unknowns to adopt, according to a recent survey by architecture and engineering information firm ZweigWhite. Respondents to the survey said the lack of specific insurance protection products, no vetting in the courts, and the difficulty of assembling a group of people with a common goal are all impediments to integrated project delivery (IPD). However, some of the skeptics are willing to give IPD a try if they could find the right partners.

The War Over Waterless Urinals

LOS ANGELES—The commercialization of waterless urinals did not flow easily, and detractors tried to flush the concept, according to an article in *Wired* magazine. Around 1999, James Krug had the idea to make waterless urinals profitable by selling replaceable liquid sealant cartridges that eliminate the need for water in order to trap sewer gases. A plumbing union advocacy group cited public health concerns to oppose waterless urinals. Krug's company and plumbers challenged each other before local code authorities in a city-by-city war that went on for years.

DOE Not Following Its Own Energy-Saving Advice

WASHINGTON—The U.S. Department of Energy (DOE) is not following its own advice regarding energy conservation, according to an internal audit released earlier this month. For example, most of its offices are still installing obsolete light bulbs. Hardly any of its offices are using LEDs, which DOE helped to commercialize. The auditors found that "there was no department-wide system in place to track or calculate reinvestments of energy savings" in accordance with DOE policy. A DOE spokesperson told *The New York Times* "We can acknowledge there's more work that needs to be done."

Property Managers Keeping Building Operation Costs Down

NEW YORK—A new report by the Building Owners and Managers Association (BOMA) International says total operating expenses for U.S. private sector buildings declined by a little more than 1% compared to the previous year. According to BOMA, control of utilities expenses remains a high priority for most buildings. For U.S. private sector suburban buildings, utilities expenses decreased 9.6% during 2009; in private sector downtown buildings, utilities expenses decreased 4.4%.

DOE Awards \$92 Million for Energy Research Projects

WASHINGTON—The U.S. Department of Energy will provide \$92 million in funding for 43 cutting-edge research projects that aim to improve how the U.S. uses and produces energy. One project aims to develop a new air-conditioning system using water as a refrigerant and salt as the heat absorber. Other projects include work to develop affordable, large-scale energy storage systems across the grid; and to improve the efficiency and cost of power conversion and switching.

ASHRAE News

35th Anniversary of Standard 90

ALBUQUERQUE, N.M.—This year marks the 35th anniversary of publication of ASHRAE's primary energy standard, now known as ANSI/ASHRAE/IES Standard 90.1, *Energy Standard for Buildings Except Low-Rise Residential Buildings*. The occasion was noted at an event at the recent 2010 ASHRAE Annual Conference. "Between the launch of Standard 90 in 1975 and the 2004 version, we reduced building energy use by almost 33%," said ASHRAE

President Lynn G. Bellenger, P.E. "We are striving to reduce that by a further 30% in just six years from the 2004 standard to the 2010 version." In 2009, the 2004 version of the standard was established by the U.S. Department of Energy (DOE) as the commercial building reference standard for state building energy codes.

Feature of the Week

30% Surplus OA: Does It Use More Energy?

By Stanley A. Mumma, Ph.D., P.E., Fellow ASHRAE

This article examines the concept of increasing outdoor ventilation rates above those specified by Standard 62 as it relates to dedicated outdoor air systems (DOAS). The author discusses equipment considerations and economic implications.

Product News

Makeup Air Unit From Greenheck

SCHOFIELD, Wis.—The Model MSX makeup air unit from Greenheck incorporates a modular design that allows each unit to be customized for its application. In addition to 100% outdoor air operation, variable volume and recirculation configurations are available. Heating options include steam, hot water and electric. Cooling options include evaporative, chilled water and direct expansion (DX).

Greywater Recovery System From Sloan Valve Co.

FRANKLIN PARK, Ill.—The AQUUS greywater system from Sloan Valve Co., is designed to save thousands of gallons of water annually in hotels, schools, government structures and commercial buildings by reclaiming greywater from bathroom lavatory drains and reusing it in toilets. The system funnels water from lavatory sinks and routes it through a sanitizing device that cleans and filters the water, and stores it in a reservoir connected to a toilet.

Condensing Units From Trenton Refrigeration

BRANTFORD, Ontario—TQ condensing units from the Trenton Refrigeration brand of National Refrigeration and Air Conditioning Canada feature variable-speed EC motors to control head pressure, resulting in low power consumption. The units' compact size and low noise levels make them suitable for a variety of light commercial applications. Models are available with either scroll or hermetic compressors.

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