



The HVAC&R Industry

A weekly eNewsletter from ASHRAE



August 13, 2009: Vol. 8, No. 33

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

NASA To Build Highest Performing U.S. Government Building

SUNNYVALE, Calif.—NASA is planning to build what it says will be the highest performing federal government building. The new building at Ames Research Center, called Sustainability Base, will be a showplace for sustainable technologies. Goals for the project include net zero energy consumption and a 90% reduction in potable water.

U.S. Air Force Academy Plans 3 MW Solar Project

COLORADO SPRINGS, Colo.—The U.S. Air Force Academy is planning an \$18 million, 3 MW solar installation to provide energy for up to 7% of the educational complex. The campus was also the site of a 1976 Solar Test House, and the U.S. Air Force is one of the country's leading users of renewable power.

World's Tallest Building Tops Out

DUBAI, United Arab Emirates—The Burj Dubai, the tallest building in the world, reportedly will officially open on Dec. 2. That date is a national holiday in the UAE. The final height of the building is believed to have topped out earlier this year at 2,684 ft (818 m).

Carbon Dioxide Emissions To Drop 5% in 2009

WASHINGTON—U.S. carbon dioxide emissions from the burning of fossil fuels are projected to decrease by 5% in 2009, according to the U.S. Department of Energy's (DOE) "Short-Term Energy Outlook." DOE attributes the reduction to the U.S. economy, saying businesses and industries use less energy and people generally drive less in a slow economy.

ASHRAE News

ASHRAE Research Focuses on Energy Analysis, BIM Interoperability

ASHRAE is researching ways to develop interoperability between building information modeling software and energy analysis and simulation software. The project will provide guidelines for describing thermal models extracted from BIM and the rules for extracting those models used in whole building energy analysis applications.

Hot Water & Steam



Forced Draft Gas, Oil and Dual-fuel Fired Boilers



Atmospheric Gas and Electric Boilers



**BRYAN®
BOILERS**

Feature of the Week

Designing for Reliability: Identify Weak Spots by Asking 'What Can Go Wrong?'

By Steve Doty, P.E., Member ASHRAE

According to the author, designs that maximize reliability may be at odds with other criteria, including energy efficiency. Therefore, there may be additional first costs and increased annual operating costs. This article provides guidance on improving reliability in the design phase of projects.

Product News

Data Center Energy Monitoring System From RLE Technologies

FORT COLLINS, Colo.—RLE Technologies offers the MetricWise Web-based appliance that collects up to two years of metered information to calculate power utilization effectiveness (PUE) and data center infrastructure efficiency (DCiE). The system gathers data from up to 10 m (33 ft) and displays dynamic gages, charts, and graphs to help baseline and measure energy conservation efforts.

Desiccant Dehumidification Systems From Bry-Air

SUNBURY, Ohio—Bry-Air offers the EcoDry line of desiccant dehumidifiers. The equipment features control technology that continuously monitors humidity loads and adjusts multiple operating parameters to optimize performance.

Controller From CSI Controls

ASHLAND, Ohio—CSI Controls introduces the CSCPC4 microprocessor-based controller, designed for constant-pressure applications using up to four variable-frequency drives. The controller features PID control, automatic alternation, data logging, and communication capabilities, and monitors pressure, pump speeds, and alarm status.

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.

[Privacy Policy and Terms of Use](#) • [Disclaimer](#)

All contents copyright © 2009

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

1791 Tullie Circle, NE, Atlanta, GA 30329-2305.

