



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

China To Subsidize Energy-Efficient Air Conditioners

BEIJING—The Chinese government says it will subsidize 1,140 air-conditioner models from the country's 19 manufacturers as part of the country's promotion of energy-efficient appliances. Prices of the products will be reduced by different amounts based on their energy-efficiency level. The sellers' losses caused by the reduction will be compensated by the Ministry of Finance.

AEC Firms' Stock Index Continues To Increase

WAYLAND, Mass.—The ZweigWhite 15 (ZW15), an index of the stock prices of publicly traded architecture, engineering, and construction (AEC) firms, rose 9.9% in April, the second consecutive month it has increased. The ZweigWhite International (ZWI) index rose 15.7% in April, indicating that the recovery is not isolated to the U.S.

World Energy Use Projected To Grow 44% Between 2006 and 2030

WASHINGTON—World energy consumption is projected to grow by 44% between 2006 and 2030, according to a report by the U.S. Department of Energy (DOE). The *International Energy Outlook 2009* says the growth will be driven by strong economic growth in developing nations. It also predicts that renewable energy use will grow by 2.9% per year until 2030.

Utilities With the Most Solar Capacity Still Adding the Most

WASHINGTON—The utilities that installed the most solar power in the past continue to lead the U.S. in installing new solar power capacity, concludes a recent survey by the Solar Electric Power Association (SEPA). According to the "2008 Top Ten Utility Solar Integration Rankings," the 10 utilities that have the most solar power installed accounted for 88% of new solar power capacity added last year.

IBM Building \$12.4 Million, Efficient Data Center

SYRACUSE, N.Y.—IBM has broken ground on what is planned to be one of the world's most energy-efficient data centers. The \$12.4 million, 6,000 ft² (560 m²) center, located on the campus of Syracuse University, is designed to use 50% less energy than existing facilities. Features of the building include an on-site electrical cogeneration system with gas-fueled microturbine engines, as well as water-cooled server racks. The facility will contain sensors to direct workloads to optimal servers and will target cooling only to servers that need it. It is scheduled to be completed in five to six months.

Lighting System at New York Times Building Producing 72% Savings

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NEW YORK—The energy-efficient lighting system at the *New York Times'* new building has yielded energy savings of 72% on the floors where it has been installed, according to information gathered on the building since its November 2007 opening. The lighting system paid for itself in less than a year, said the director of construction for The New York Times Company. The newspaper also attributes an estimated 1% increase in productivity to the lighting.

Emerson Acquires Vilter Manufacturing

ST. LOUIS—Emerson Climate Technologies has acquired Vilter Manufacturing, a Wisconsin-based compressor company. Vilter produces a line of compressors for industrial refrigeration and gas compression applications including reciprocating and single-screw compressors. It has 72 U.S. and 31 international distribution locations.

ASHRAE News

Operations and Performance Management Certification Available Worldwide

ASHRAE's Operations and Performance Management (OPMP) Certification program is available at testing centers around the world. The Web-based exam is offered at testing centers in more than 200 locations in 19 countries. Applicants first apply for the examination through ASHRAE, and if they meet the certification qualifications, register for the examination at a testing center.

Feature of the Week

Fresh Air-Handling Units: Comparison and Design Guide

By George J. Berbari, Member ASHRAE; **Sleiman Shakkour**, Member ASHRAE; and **Fadi Hashem**, Associate Member ASHRAE

This article evaluates available system design options to compare six different types of air handlers over a 20-year life cycle for optimizing system performance. It gives guidance on design, control, installation and maintenance.

Product News

Circulators From Grundfos

OLATHE, Kan.—Grundfos Pumps introduces the ALPHA line of circulators to the North American market. The circulators are designed to reduce power consumption by at least 50% compared to conventional circulators. The circulators are equipped with the company's AUTOADAPT technology, which automatically modulates circulator performance to match system demand.

Condensing Boilers From Bryan Steam

PERU, Ind.—Bryan Steam introduces the Triple-Flex™ ultra-high-efficiency condensing flexible water tube boilers. The boilers are designed to provide minimum thermal efficiency of 90% in "worst-case" operating conditions such as 160°F (71°C) return water and 180°F (82°C) supply water at 100% firing load. Higher efficiencies are achievable at lower return water temperatures.

Economizer/Ventilation Control From Arzel Zoning Technology

CLEVELAND—Arzel® Zoning Technology offers the CoolMizer™ economizer and ventilation control for split systems. It measures outdoor temperature and humidity, and when conditions are favorable, preempts equipment and opens an outside air damper,



providing free conditioning and fresh air.

Subscription Management

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