



The HVAC&R Industry

A weekly eNewsletter from ASHRAE



September 4, 2008: Vol. 7, No. 36

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

Consumer Reports Challenges ENERGY STAR® Tests

YONKERS, N.Y.—In its October 2008 issue, Consumer Reports magazine found that more products are receiving U.S. Department of Energy (DOE) ENERGY STAR® labels than should due to outdated and lax testing. For example, the advocacy magazine found that two manufacturers produce refrigerators that use substantially more energy than claimed by the manufacturers. Due to misleading tests, these units received labels, even though they do not meet ENERGY STAR requirements. The Consumer Reports article, currently in circulation, recommends updating testing procedures to be in line with current technology. It also recommends independent verification of test results.

Read more

Toyota To Install Solar AC in Hybrid Cars

TOKYO—Japanese automaker Toyota reportedly will install solar-powered air conditioning in some models of its Prius gas-electric hybrid automobile in 2009. The solar panels on the roof of the vehicle are expected to provide 2–5 kW of electricity. News reports say detailed plans will be presented in May 2009. Toyota has sold more than a million Prius models over the past decade. It is planning to sell a million hybrids a year sometime after 2010.

Read more

U.S. Government Planning To Lease Coastal Areas for Wind Turbines

WASHINGTON—The U.S. Department of the Interior is preparing to lease parts of the outer continental shelf to companies that want to erect massive wind turbines. The public comment period for the proposal is scheduled to end Sept. 8. The Interior Department's Minerals Management Service expects to finalize its proposed rule governing leasing of offshore acreage for alternative-energy production by the end of the year, clearing the way for development to start soon after.

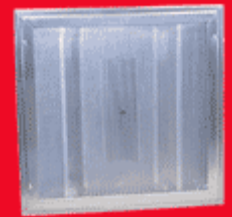
Read more

AIA Report Examines Sustainable Building Incentive Programs

WASHINGTON—The American Institute of Architects (AIA) has commissioned a report, *Local Leaders in Sustainability—Green Incentives*, that defines and examines various types of state and local government incentive programs intended to promote sustainable building. The report details barriers to success and highlights best practice examples from around the United States. Programs covered by the report include tax incentives, density/floor area ratio bonuses and expedited permitting.

Read more

When it has to be
Stainless
it has to be
AJ



Trust the leader
in stainless
steel clean air
systems for...

- Expertise in HEPA Diffusers
- Custom Stainless Steel Fabrication
- Fast Delivery
- Competitive Pricing

A-J
Manufacturing

AHR EXPO®
JANUARY 26-28
2009
CHICAGO

Burj Dubai Is Tallest Man-Made Object

DUBAI, United Arab Emirates—The Burj Dubai, which last year became the world's tallest building, this week became the tallest man-made thing ever built. The 2,257 ft (688 m) building is still under construction; the developer will not disclose its eventual final height. It currently has 160 floors and more are being added at a rate of about one per week. The previous tallest man-made object was a 2,121 ft (647 m) radio mast in Poland that was built in 1974 but collapsed in 1991.

[Read more](#)

San Francisco Green Building Ordinance Is Law

SAN FRANCISCO—San Francisco has enacted a green building ordinance that imposes strict requirements on newly constructed residential and commercial buildings, and renovations to existing buildings. The ordinance specifically requires newly constructed commercial buildings larger than 5,000 ft² (460 m²), residential buildings taller than 75 ft (23 m), and renovations on buildings larger than 25,000 ft² (2300 m²) to meet green building certification program requirements. New commercial buildings must be certified LEED[®] Silver in 2009 and LEED Gold in 2012.

[Read more](#)

The Environmental Cost of a Pizza Joint

HOUSTON—The cost of constructing and attaining green certification can be prohibitive, particularly for smaller businesses. This *Houston Chronicle* article presents an example of a local franchisee of a company with an expressed mission to "Save the Earth One Pizza at a Time." The franchisee cancelled plans to apply for LEED[®] certification for his 2,600 ft² (240 m²) restaurant because it was going to cost too much—as much as \$30,000 to \$40,000.

[Read more](#)

ASHRAE News

ASHRAE, Global Cold Chain Alliance Partner To Promote Refrigeration

ASHRAE and the Global Cold Chain Alliance will work together under a new agreement to advance and promote the mutual interests of refrigeration and facility professionals. Potential collaborative efforts include development of a refrigerated warehouse guide, updating the existing refrigeration warehouse chapter and other guidance in the *ASHRAE Handbook—Refrigeration*, and cosponsoring research related to refrigeration.

[Read more](#)

Feature of the Week

Understanding Drainage Planes

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

According to the author, assemblies should be designed and constructed to shed or drain water to the exterior. The key component in this approach is a drainage plane. This article provides detailed guidance on designing and constructing a drainage installation.

This article was originally published in February 2006. [Click here](#) to download the article. It will be available here through Sept. 18.

After Sept. 18, access to the article from this eNewsletter will no longer be available. It will remain available for free download by Members [here](#) and for purchase by

nonmembers in the [ashrae.org bookstore](http://ashrae.org/bookstore).

Product News

CO₂-Based DCV System From Cemtrex

FARMINGDALE, N.Y.—Cemtrex introduces the Green-DCV carbon dioxide-based demand-controlled ventilation system designed to provide energy efficiency in commercial buildings. It features a centralized monitoring and analyzer station, fast-loop air routers to sample air from various points in the building, control of the exit dampers and variable air volume boxes, and ability to interface with building management systems via the Internet.

[Read more](#)

Energy Recovery Unit From Greenheck

SCHOFIELD, Wis.—Greenheck offers the VersiVent Model VER energy recovery unit. Features include a high-performance total energy wheel, a high-efficiency centrifugal plenum supply fan, two-inch double-wall construction, and hinged access doors. The unit can be specified with chilled water, direct expansion (DX) split system or integral condensing cooling options; or hot water, indirect gas or electric heating options.

[Read more](#)

Boiler Plant From Armstrong Pumps

NORTH TONAWANDA, N.Y.—Armstrong Pumps introduces the ECO*PAK™ MBS boiler plant. The system is all-variable, which increases efficiency. In low-temperature radiant applications, the boiler plant can achieve greater than 98% efficiency. It features a modular design for easy installation in a small footprint.

[Read more](#)

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.

Need assistance? Please use the links below or contact us by [e-mail](#).

To change your e-mail address for all eNewsletters, [click here](#). This will not change your official e-mail address in ASHRAE's member database. This will only change the e-mail address to which your ASHRAE eNewsletters are sent.

If someone passed along this eNewsletter to you, and you want to have your own subscription, [click here](#).

To read ASHRAE's media kit to learn about advertising opportunities, [click here](#).

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

All contents copyright © 2002, 2003, 2004, 2005, 2006, 2007, 2008
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle, NE, Atlanta, GA 30329-2305.