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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.

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Industry News

Study Examines Costs and Benefits of Commissioning

BERKELEY, Calif.—A new study by Lawrence Berkeley National Laboratory quantifies the economic impact of building commissioning. The study finds median payback periods for commissioning to be slightly more than one year for existing buildings and about four years for new construction. The study also finds that commissioning results in energy savings of about 15% in new and existing buildings.

[Click here](#) to read the report.

Consumers Concerned More About Money Than Environment

KNOXVILLE, Tenn.—Economics tops the environment as the primary concern of consumers when they purchase sustainable products or engage in sustainable practices, according to a survey of U.S. consumers. When asked the most important reason to reduce energy consumption, 73% of respondents chose "to reduce my bills/control costs" and only 26% chose "to lessen my impact on the environment."

[Read more](#)

Europe Starts Phaseout of Incandescent Light Bulbs

BRUSSELS, Belgium—Europe has begun a gradual phaseout of incandescent light bulbs by banning the manufacture and importation of traditional light bulbs, 100 W and higher. New European Union (EU) rules follow an agreement reached by the 27 EU governments last year to eliminate incandescent light bulbs over three years to help lower greenhouse gas emissions and reduce energy bills.

[Read more](#)

Some Buildings Not Living Up to 'Green' Label

NEW YORK—Some buildings are not living up to their "green" labels, according to an article in *The New York Times*. The article cited as an example the Federal Building in Youngstown, Ohio. The building achieved LEED certification from the U.S. Green Building Council (USGBC), but later could not earn a U.S. Environmental Protection Agency ENERGY STAR label because of problems such as a faulty cooling system. According to the article, USGBC's own research suggests that a quarter of the new buildings that have been certified do not save as much energy as their designs predicted and that most do not track energy consumption once in use.

[Read more](#)

Houses of Worship Can Receive ENERGY STAR Label

WASHINGTON—Houses of worship now can earn the U.S. Environmental Protection Agency's (EPA) ENERGY STAR label. EPA offers free technical support and information via its ENERGY STAR for Congregations program. According to EPA, the estimated 370,000 worship facilities in the United States spend more than \$3 billion annually on energy costs.

ASHRAE News

ASHRAE Issues Position Document on Infectious Disease Transmission

ASHRAE's *Airborne Infectious Diseases Position Document* addresses the impact of ventilation on disease transmission and the control strategies that are available. The position paper covers methods of transmission including direct contact, large droplet contact, and inhalation of droplet nuclei. "With a better understanding of ventilation's effect on the transmission of disease, future incidents of the H1N1 virus may now be easier to prevent," said ASHRAE President Gordon Holness.

[Click here](#) to read the *Airborne Infectious Diseases Position Document*.

Feature of the Week

6 Steps to Successful Facility Energy Management

By Mike Moran and Marc Berman

According to the authors, managing building energy use requires a strategic, across-the-board program that goes beyond installing energy-efficient equipment and meeting code requirements. A successful program includes physical upgrades, occupant behavior change, and appropriate use of renewable energy. This article covers technological, sustainability, and economic considerations.

This article was originally published in September 2008. [Click here](#) to download the article. It will be available here through Sept. 17.

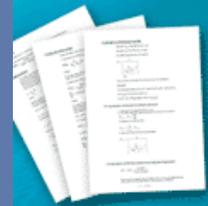
After Sept. 17, access to the article from this eNewsletter will no longer be available. It will remain available for free download by Members [here](#) and for purchase by nonmembers in the [ashrae.org bookstore](#).

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[Water Temperature Control Systems From Mokon](#)

BUFFALO, N.Y.—Mokon offers the Hydrotherm II line of circulating water temperature control systems in a variety of heating capacities, pump sizes and flow rates. Models feature automatic high/low heat selection to conserve energy, as well as PID control to match output to process demand.

[Read more](#)

[Filter From Engineered Filtration Systems](#)

LOS ANGELES—Engineered Filtration Systems manufactures the EFS V2-Bank filter, which provides 95% efficiency with low pressure drop. It is designed to withstand extreme humidity, high velocities and turbulence, and features non-shedding fibers that resist moisture, chemicals and bacteria.

[Read more](#)

[Energy Meter From Sierra Instruments](#)

MONTEREY, Calif.—Sierra Instruments introduces the Innova-Sonic Model 205 thermal energy/Btu meter. The transit-time ultrasonic flow meter is designed to measure thermal energy flow rate and total energy consumption in liquid heating and cooling applications. The device features built-in totalizers, data loggers, ultrasonic transducers, remote electronics, and two PT100 resistance temperature detectors.

[Read more](#)

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