



*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

### Smart Meter Installations 'Gain Momentum'

BOULDER, Colo.—Plans to install 57.9 million smart meters are under way by more than 90 utilities in the United States, according to a report released this week by Pike Research. About 21 million smart meters will be installed in the U.S. by the end of 2010. A Pike analyst said that deployment programs will "continue to gain momentum over the next few years." Specific dates cannot be assigned for completion, as full rollouts can take several years from beginning to end, according to the report.

### Codes Are Simple, Effective Way To Reduce Energy

NEW YORK—Building codes are among the most straightforward and cost-effective ways to cut energy costs in buildings, according to an article in *The New York Times*. A notable example is the 2008 federal stimulus bill, which tied some energy-conservation money to promises by states to adopt stricter building codes. Also, the International Code Council recently revised its 2006 codes to be 30% stronger. In addition, the European Union earlier this year strengthened its 2002 Energy Performance of Buildings Directive, calling for buildings to use "nearly zero energy" by late 2020. Codes lead a number of energy-reduction strategies, including alternative financial incentives; better education; and labeling of building energy use.

### Consumer Companies Pledge HFC Phaseout, Net Zero Deforestation

CANCUN, Mexico—The Consumer Good Forum (CGF), which includes more than 400 of the world's largest consumer goods manufacturers and retailers, has said its members will use their collective resources to reduce global emissions of greenhouse gases from refrigeration as well as deforestation. The organization plans to achieve net zero deforestation by 2020 and begin phasing out the use of hydrofluorocarbon (HFC) refrigeration equipment in 2015. Member companies in the CGF include Coca-Cola, Johnson & Johnson, Kraft, Procter & Gamble and Walmart.

### AHR Expo 'Virtual Show' Brings In-Person Experience Online

WESTPORT, Conn.—The 2011 AHR Expo will feature a "Virtual Show" designed to help attendees to the world's largest HVAC&R expo and conference maximize their time on and off the show floor. The feature of the AHR Expo website enables Show visitors to search for specific products, product categories and/or exhibitors and virtually "walk" the exhibit halls and get more information on selected exhibitors. Also, attendees can automatically schedule meetings with exhibitors and add these and other events to their Outlook calendars.

### 'Green Acropolis' to be Built in South Korea

ROTTERDAM, The Netherlands—A Netherlands-based design firm has designed an innovative new city on which construction will begin next year near Seoul, Korea. The proposed complex is a fully self-sufficient city for up to 77,000 inhabitants. Designed as a cluster of structures rising up in concentric rings, each floor in the city is lined with lush box hedges that improve ventilation while reducing energy and water usage. An internal irrigation system stores extra water from the buildings and uses it to sustain the "green"

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facades. Development is to be completed in 2011 and construction will start shortly after.

## ASHRAE News

### Standard 55-2010 Revisions Include Air Speed, Documentation

New requirements regarding air speeds, analysis and documentation are included in the newly published ANSI/ASHRAE Standard 55-2010, *Thermal Environmental Conditions for Human Occupancy*. Standard 55-2010 incorporates recent innovations such as the use of elevated air speeds to widen the acceptable range of thermal conditions. Another revision makes clearer the mandatory minimum requirements for analysis and documentation of a design. "The standard continues to focus on defining the range of indoor thermal environmental conditions acceptable to a majority of occupants, while also accommodating an ever-increasing variety of design solutions intended to provide comfort and to respect today's imperative for sustainable buildings," said Stephen Turner, a member of the Standard 55 Committee.

## 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.

## Product News

### Axial Fans From Ziehl-Abegg

GREENSBORO, N.C.—Ziehl-Abegg offers the FE2owlet axial fans that feature the company's ECblue motor technology, which uses electronically commutated direct-current external rotor motors to maximize energy efficiency. Also, the fans' blades are modeled after owls' wings to minimize noise levels.

### Water-Cooled Chiller From Multistack

SPARTA, Wis.—The MS-500F 500-ton (1760 kW) water-cooled chiller from Multistack features four MagLev oil-free compressors mounted on a common set of shells to maximize performance and redundancy. The company's proprietary FlexSys control system monitors each compressor individually and tunes it to run at peak performance in concert with the other compressors to dynamically maximize energy efficiency.

### Isolation Room Controllers/Monitors From Triatek

NORCROSS, Ga.—Triatek offers the FMS-1650 line of BACnet<sup>®</sup>-native isolation room controllers/monitors for applications including hospitals, laboratories and cleanrooms. The units simultaneously display pressure, temperature, humidity and air changes on one screen. They also feature an "at a glance" room status indicator that provides room status information through the color-coded background of the screen itself.

## Subscription Management

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