



# 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

### HVAC&R Manufacturers Predict Better 2010

WESTPORT, Conn.—HVAC&R manufacturers expect the economy to be stronger in the first quarter of 2010, according to a new survey of AHR Expo exhibitors. More than 70% of the respondents predicted that their customers will start buying more products in the first quarter, with most saying their customers have been delaying product purchases until 2010. The annual HVAC&R industry showcase will be held Jan. 25–27 in Orlando, Fla. ASHRAE is a cosponsor with the Air-Conditioning, Heating and Refrigeration Institute (AHRI). The survey was conducted by International Exposition Company (IEC).

### 2012 Olympic Venues To Use Natural Refrigerants

LONDON—The organization in charge of London's 2012 Olympics preparations plans to use natural refrigerants to cool the main venues. The Olympic site's energy center will use ammonia to provide power, heat and cooling. Non-HFC strategies are still being developed for the other venues.

### USGBC To Collect Building Performance Data

WASHINGTON, D.C.—The U.S. Green Building Council (USGBC) plans to collect performance data from all buildings that have achieved LEED certification. The Building Performance Initiative is intended to provide feedback to building owners so they have better information with which to address any performance gaps that stem from predicted building performance vs. actual performance. USGBC will preview the initiative at four summits to be held across the U.S. in September and October. The official launch will be at Greenbuild in November.

### Chevron Building Solar-Steam Plant

COALINGA, Calif.—Chevron is building a solar thermal plant to create the steam to boost production at an aging California oil field. The second-largest U.S. oil company said the plant will collect reflected sunlight from thousands of mirrors at a 323 ft (98 m) tower to boil water. Steam will be injected into wells to heat heavier oil and lower its viscosity to make it easier to extract. The company plans to replicate the project elsewhere if it works.

### Alaskan Village Plans Self-Sufficient Emergency Building

FAIRBANKS, Alaska—Plans are complete for an evacuation center for Newtok, a traditional Yup'ik village in western Alaska. Newtok is losing its shoreline due to reduced sea ice, which buffers inland areas from storms. The evacuation center, to be constructed in summer 2010, will be capable of housing the entire village of 350 people during an emergency. The building is designed to provide its own water, waste disposal, electricity,

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and heat. It uses a self-contained sewage treatment plant and water storage system, and requires minimal power.

## Feature of the Week

### Managing Energy and Comfort

By **Steve Tom, Ph.D., P.E.**, Member ASHRAE

According to the author, "If you're not measuring comfort, you're not managing it, and you could end up with a system that saves a few energy pennies while hemorrhaging productivity dollars." This article provides guidance on effectively achieving the secondary goal of energy efficiency without compromising the primary objective, occupant comfort.

## Product News

### Building Performance Analysis Software From IES

BOSTON—Integrated Environmental Solutions (IES) has released VE-Pro v6.0 software. It enables engineers to make detailed analyses of designs with interconnected performance assessment modules and visual, graphical, and numerical outputs. HVAC-specific enhancements in the new version include multiplexing, an enhanced water-cooled chiller model, and enhanced ASHRAE/CIBSE building loads reporting.

### Pump Controller From Goulds Pumps

SENECA FALLS, N.Y.—Goulds Pumps introduces the prepackaged S-Drive Simplex variable-speed pump controller for use with submersible and aboveground centrifugal pumps. The variable-frequency controller adjusts motor speed to match the hydraulic needs of the system in order to maintain pressure. The drive can be used for either single- or three-phase power.

### Oil-Free Compressors From Hitachi

TARRYTOWN, N.Y.—Hitachi America, Air Technology Group, offers the DSP Series oil-free rotary screw compressors with variable speed control and inverter-driven constant pressure control. Models feature the company's Oil Mist Remover (OMR), which recaptures gear case mists to minimize inlet contamination.

## 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.

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**AHR EXPO**

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