



# ASHRAE NATIONAL NEWS

American Society of Heating, Refrigerating and Air-Conditioning Engineers

February 2007

Volume 7

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## ASHRAE Members Get Energized in Dallas

ATLANTA – The adage that everything is bigger in Texas proved true for the 2007 ASHRAE Winter Meeting held last week in Dallas.

ASHRAE can boast of a large turnout for overall meeting attendance, record attendance at social events, and high attendance at the International Air Conditioning, Heating, Refrigerating (AHR) Exposition cosponsored by ASHRAE and the Air-Conditioning and Refrigeration Institute (ARI).

“Obviously our members took the meeting theme of ‘get energized in Dallas’ to heart,” Terry Townsend, P.E., ASHRAE president, said. “Our meetings are an integral part of our Society, providing attendees with a first-hand look at the latest technology and allowing them to advance their education, network with fellow members from all over the world and influence technology.”

The ASHRAE meeting had a total attendance of 2,634, an increase of nearly 200 over the 2006 Winter Meeting in Chicago. Registration for social events, also up over previous years, was more than 800 for the Welcome Party; more than 600 for the president’s luncheon; and 557 for the Members’ Night Out.

Two big events were motivational speaker Diana Nyad, who received a standing ovation for her inspiring story about setting the world record for completing the longest swim in history – 102.5 miles from the coast of Bimini to the Florida shore, and Dennis Dimick, executive editor at National Geographic Magazine, who discussed three 2004 National Geographic magazine articles, “Signs from Earth” that document emergent effects of climate change observed worldwide.

Top-selling publications at the meeting were the new ASHRAE GreenGuide: The Design, Construction and Operation of Sustainable Buildings; HVAC Simplified, the Advanced Energy Design Guide for Small Retail Buildings and the ASHRAE Handbook CD+.

The ASHRAE Learning Institute courses also were well-attended by nearly 1,000 people. The top-drawing courses dealt with green buildings, Standard 90.1, health care facilities design and commissioning.

The AHR Expo, sponsored by ASHRAE and ARI also proved to be “Texas-sized” with 1,789 total exhibiting companies and 354,057 square feet of net exhibit space. Total Expo attendance topped 47,000, including 28,130 visitors and 19,065 registered exhibitor personnel.

Comparatively, the first co-sponsored show in the Southwest held in Dallas in 1976 drew 284 exhibiting companies and 90,197 square feet of net exhibit space.

ASHRAE will hold its 2007 Annual Meeting in Long Beach, June 23-27, followed by its 2008 Winter Meeting, Jan. 19-23 in New York, accompanied by the AHR Expo, Jan. 22-24.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.

For Release:  
February 13, 2007

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## BACnet Access Control, Lighting, Network Addenda Approved for Review

ATLANTA – Six proposed addenda to ASHRAE’s BACnet standards have been recommended for public review.

The addenda are expected to be released for public review March 16, 2007. If approved, they would become part of Standard 135, BACnet® - a Data Communication Protocol for Building Automation and Control Networks, and Standard 135.1, Method of Test Conformance to BACnet®.

“This was a barnstormer session,” said BACnet chairman Bill Swan. “The committee has been working hard to expand BACnet’s coverage of building systems, and several items came out together.”

Proposed addendum j to BACnet-2004, will add physical access control to BACnet’s support for building automation.

“Our committee has worked on these proposals for four years to ensure that we address the state-of-the-art practices of the security industry while building on the proven BACnet platform,” said David Ritter, convener of the BACnet Life-Safety and Security Working Group, which is comprised of representatives from both the HVAC and physical security industries from around the globe.

Addendum j rounds out the working group access control extensions to BACnet, which began with the Access Door object presented in addendum f. The committee is actively soliciting comments on these extensions from the access control industry.

Proposed addendum g to 135-2004, a new means for securing BACnet network communications, provides part of the base on which proposed addendum j is built. Developed by the Network Security Working Group, addendum g draws on significant advances in encryption and authentication technologies since BACnet became a standard.

“This system is very flexible,” said Dave Robin, BACnet Network Security Working Group convener. “You can scale it up for high security or way down for simplicity. It provides multiple levels of access, with a general key for read/write access to basic system data, and application-specific keys plus authentication for critical systems including access control and fire.”

Robin also notes that “with addendum g going out for its second public review, with little changed from first public review, trial implementations are underway.”

Proposed addendum 135-2004 i presents several extensions to the BACnet standard to support lighting control systems. Said Steve Karg, Lighting Application Working Group convener, “These extensions are aimed at supporting both sophisticated and simple lighting systems.” The working group, comprised of representatives from lighting controls manufacturers and BACnet experts, has been working for several years on developing lighting extensions to BACnet.

The BACnet committee continues its work on a broad range of items including developing profiles for VAV controllers and VFDs, incorporating wireless capabilities, accommodating and adopting new IP technologies; and extending conformance testing to cover new BACnet capabilities.

Also recommended for review are 135h, which would include miscellaneous changes to the standard; 135.1b, involving new and revised tests, and 135.1c, updating references in 135.1 from 135-2001 to 135-2004.

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For Release:  
February 14, 2007

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#### ASHRAE Offsets Emissions at Meeting; DuPont Contributes

ATLANTA — ASHRAE's recent 2007 Winter Meeting earned event certification under Leonardo Academy's Cleaner and Greener®/Health and Climate Care Program.

The current emission offsets donated by attendees for the meeting, held Jan. 27-30 in Dallas, have offset more than 120 percent of the carbon dioxide emissions.

ASHRAE invited attendees to make charitable donations to the Cleaner and Greener Program for the purchase of offsets for the meeting. This provides attendees with the opportunity to take personal responsibility for offsetting the emissions caused by their participation in this event.

DuPont Refrigerants also contributed with a donation of 3000 metric tons of carbon dioxide equivalent emission reduction. The donated emission reductions were created in 2003 as the result of HFC-23 emissions reductions at the DuPont Louisville Works Facility in Kentucky.

"ASHRAE thanks DuPont for its support in donating emission offsets equal to 120 percent of the estimated CO2 emissions of the meeting," Terry Townsend, P.E., ASHRAE president, said. "In addition to this donation, ASHRAE's Greening of ASHRAE Meetings and Expositions (GAME) Committee was able to achieve a tremendous participation by meeting attendees who made personal contributions towards CO2 offsets. Collectively, ASHRAE members and DuPont offset 6.6 million pounds of CO2 emissions, another showing of ASHRAE's commitment toward achieving a sustainable future."

"DuPont Refrigerants was very pleased to contribute to help offset emissions for the ASHRAE meeting," said Mark Baunchalk, global business manager, DuPont Refrigerants. "The donation was made in honor of the 20th anniversary of the Montreal Protocol, and is directly in line with our commitment to demonstrate responsible environmental leadership across the cooling value chain, and support the industry in its move toward the broader adoption of more sustainable cooling solutions."

The Cleaner and Greener® Program helps organizations quantify their emissions footprint and develop strategies to reduce and offset their emissions and certifies their level of achievement in offsetting their emissions. This program addresses emissions that impact human health and climate.

Michael Army, president of Leonardo Academy, said, "I congratulate ASHRAE for stepping up to offset the emissions of its Winter Meeting. By taking this leadership in quantifying and offsetting the emissions, ASHRAE provides an example of how we all can take stock of the emissions we cause and take action to reduce and offset these emissions."

More information as well as a list of individuals who have made donations can be found at [www.ashrae.org/offsetdallas](http://www.ashrae.org/offsetdallas).

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DuPont – one of the first companies to publicly establish environmental goals 16 years ago – has broadened its sustainability commitments beyond internal footprint reduction to include market-driven targets for both revenue and research and development investment. The goals are tied directly to business growth, specifically to the development of safer and environmentally improved new products for key global markets. DuPont is a science-based products and services company.

Leonardo Academy is a charitable (501c3) nonprofit organization that promotes sustainability. Leonardo Academy helps companies, organizations and individuals reduce their overall environmental footprints including implementing LEED® in their buildings.