

# THIN-AIR BULLETIN

NEW MEXICO CHAPTER      REGION IX      ALBUQUERQUE, NEW MEXICO



## ASHRAE

AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS

November 29, 2006

### **November Meeting Recap**

November's meeting presenter was Julian de Bullet a distinguished lecturer from ASHRAE. Mr. de Bullet's presentation, "Green Chilled Water Design" provided some insight and strategies to help achieve ASHRAE's commitment to a sustainable future. In the presentation the inter-related concepts of optimizing cooling tower and chiller performance, by changing temperature set points and varying flows were discussed. Additionally design strategies for condenser water heat recovery and chiller configuration were investigated.

### **Decembers Meeting Info**

December's meeting will be a be a social event at the Santa Ana Casino on Thursday, December 7th. The Chapter will be sponsoring a bowling tournament at the casino's bowling alley. Spouses are welcomed and the Chapter will pick up the cost of the bowling and shoes. Individuals are responsible for food and beverages which are available at the Alley. We will meet at 6:00 and the bowling will start at 6:30. Please come out, relax and have some fun. The bowling Alley is located within the Santa Ana Casino which is located off of Hwy 550 in Bernalillo, New Mexico.

### **PRESIDENT'S MESSAGE**

Wow hard to believe that Christmas is almost here and that we will usher in a new year in a month. Were did you think you would be in 2007? It seems like not long ago we were agonizing over Y2K disaster. Oh yea nothing happened. Well enough pontificating, lets get to the good stuff.

ASHRAE bowling night, that's right so dust off your bowling ball and wrist support and join us to share some holiday cheer and knock down a few pins or beers or both. We certainly hope you will join your fellow ASHRAE members for some fun and laughs. If we don't see you at the holiday event, then let me be the first to wish you and yours a very safe and happy holiday season.

I look forward to seeing you in 2007.

Best Wishes,  
Deward Stegall

# *Merry Christmas*

## **Learn to Meet, Beat 90.1 Requirements with new eLearning Center**

ATLANTA - Guidance to help users design buildings that are in compliance with ASHRAE's energy efficient standard is available through a new online learning course.

The Fundamentals of Standard 90.1 is the newest offering in ASHRAE's eLearning system, which provides on-demand, interactive online courses that include hardbound and online course reference books, online self-assessment and continuing education credits.

ANSI/ASHRAE/IESNA 90.1-2004, Energy Standard for Buildings Except Low-Rise Residential Buildings, has become the basis for building codes, and the standard for building design and construction throughout the United States.

"The new eLearning course is designed to help you go through the standard and learn about each of the requirements," said Carol Marriott, P.Eng., a former member of the Standard 90.1 committee who helped develop the new module. "In school, you had assignments to enforce retention of the concepts you learned. The eLearning course is designed exactly the same way, in that it reinforces learning by providing questions to practice the concepts learned, and applying the 90.1 requirements to sample questions. Most users will hardly even realize they are learning as it is designed for users to have fun while doing the work."

The course explains:

- . The detailed requirements of the standard so that they can be applied in designing buildings that are in compliance with 90.1;
- . How to use available resource material, such as the standard and the User's Manual, to design and construct building in compliance with the standard;
- . How to complete compliance documentation in a satisfactory manner the first time; and
- . How to translate the key principles of the standard to local and state adaptations.

Marriott said the course is one of three key elements in learning about the requirements, along with the actual standard and the Standard 90.1 User's Manual.

The course is the second in ASHRAE's eLearning system. The first, Fundamentals of HVAC Systems, provides a thorough and comprehensive introduction to how HVAC systems function in controlling temperature, air quality, and air circulation in a conditioned space.

For more information about ASHRAE eLearning Systems, visit [www.ashrae-elearning.org](http://www.ashrae-elearning.org).

ASHRAE, founded in 1894, is an international organization of 55,000 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.

## **ASHRAE Releases next advanced energy design guide**

ATLANTA - Buildings designers are one step closer to a net-zero energy building.

Published by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), the Advanced Energy Design Guide for Small Retail Buildings is the second in a series of publications that cover various types of building construction. Intended for use by builders, contractors and architects, the guide covers energy-efficient design for retail buildings up to 20,000 square feet.

"The purpose of the design guide is to provide a simple, prescriptive menu of options that will result in a building using 30% less energy than those constructed in accordance with the 1999 version of ASHRAE Standard 90.1, the foundation for energy efficiency in building codes throughout the United States," said Merle McBride, chairman of the committee overseeing the book's creation. "Those looking to achieve a LEED certification from the U.S. Green Building Council (USGBC) will find this guide particularly useful."

The guide offers energy efficiency guidance in many areas, including lighting, HVAC efficiencies, windows, skylights and envelope measures. A major difference from Standard 90.1 is that the guide provides equipment efficiencies by climate zone to take into account varying environmental factors, instead of having one number for the entire United States.

The guide resulted from collaboration among ASHRAE, the Department of Energy, USGBC, Illuminating Engineering Society of North America (IESNA) and the American Institute of Architects (AIA). The retail industry provided guidance to the guide's development team to ensure building owner perspectives were considered when forming design recommendations. To help in future editions, users of the guide will be able to provide feedback via an Internet link.

The guide is part of a series of ASHRAE publications that will progress toward providing net-zero energy designs for buildings of various types. The first publication in the series focused on small office buildings, and the next energy design guide will address K-12 schools.

"This is a long-term endeavor by ASHRAE," said McBride. "ASHRAE is focusing on improving the energy efficiency of the nation's building stock, targeting where the greatest energy-saving impact can be achieved."

The cost of the Advanced Energy Design Guide for Small Retail Buildings is \$59 (\$49, ASHRAE members). To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, by mail at 1791 Tullie Circle NE, Atlanta, GA 30329, or visit the ASHRAE.org Bookstore at [www.ashrae.org](http://www.ashrae.org).

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- DECEMBER MEETING -

**SPEAKER: Rich "The Kingpin" Reif**

**TOPIC:** How To Avoid The Gutterball

**DATE:** December 7, 2006

**TIME:** 6:00 PM

**LOCATION:** Santa Ana Star Bowling Lanes

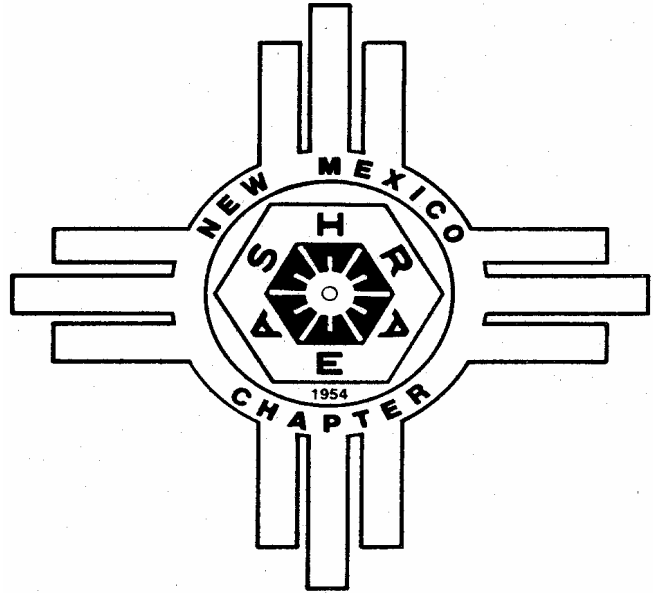
**TECHNICAL SESSION:** none

**MENU:** -NONE-

**COST:** \$ No Charge for Bowling  
Pay for your own drinks/food

**RSVP:** Tuesday Dec. 5th, RSVP with number of attendees to:

**Rich Reif (505)-883-4111 Ext. 729 or  
RJR@bpce.com**



New Mexico Chapter of ASHRAE

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*Happy  
Holidays*

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*Individual and corporate contributions advance industry research resulting in better products, installation methods, buildings and profits.*

*Please invest in your future through ASHRAE RESEARCH.*

It is early in our 2006-2007 Research and Promotion year, however; I would like to thank the individuals and businesses which have already made a contribution. It is my personal goal to achieve the collection goal for our Chapter. Please use the form above and mail either to Jason at Mechanical Representatives, Inc. or directly to society. If you have any questions, please do not hesitate to contact me by email [jason@mechrep.com](mailto:jason@mechrep.com) or phone 821-2563.

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**Current  
 Collections  
 for 2006 – 2007**

\$11,000  
 \$10,000  
 \$9,000  
 \$8,000  
 \$7,000  
 \$6,000  
 \$5,000  
 \$4,000  
 \$3,665  
 \$3,000  
 \$2,000  
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