



Notes from thin air....

October 2006

Volume 9 Issue 2

PIKES PEAK CHAPTER ASHRAE NEWSLETTER

<http://www.pikespeakashrae.net/>

PRESIDENT'S MESSAGE

By Gary Leffingwell

As I write this month's message, I am sitting in a local coffee shop. I really do feel bad for you people that have to go to a real job everyday. This shop opened a few months ago and serves the local neighborhood. When ordering my coffee and breakfast burrito, I noticed blue fabric hanging from the ceiling. After a closer look, I noticed it was a deflated fabric duct system. It is a safe bet that I am the only one here who knows what this stuff is, as I'm appear to be the only non-artist in the place. But why was it deflated? I began thinking of the time spent calculating the required heating, cooling and ventilation airflows and the time spent reviewing the plans and specifications by the building department and design team. How is this flat duct providing the required airflow and ventilation? We in the design and construction industry realize the importance of the local building code and the safety they provide for our buildings and society.

This month our Chapter will host Bob Croft, the new operations manager for the Pikes Peak Regional Building Department (PPRBD). Bob has moved up in PPRBD and the new mechanical field inspection supervisor, Jim Vernon, will join him. In addition, Daryl Kuiper, the new plumbing field inspection supervisor, will join Bob and Jim. Bob will discuss the changes at PPRBD and introduce Jim and Daryl to our organization. Bob's annual trip to our Chapter luncheon is always popular and a full house is expected. Be sure to bring you code questions, as the question and answer session is typically longer than the presentation.

This month also brings some changes to the Chapter. Our new website is up and I encourage each of you to visit the site. There is a new video introduction and the site layout changed to ease navigation. The Chapter should be able to accept credit cards at our lunch meetings and on our website. As I mentioned last month, the Chapter offers a package lunch deal, which can save you money. The lunch package is available for purchase on the website. Also mentioned last month, our chapter developed a ventilation spreadsheet, which will eventually be provided to design professionals through the PPRBD. We need firms to test this spreadsheet for our Chapter. If you or your firm are interested in a beta version of this spreadsheet, please contact me through the website. One last business item, your Chapter bylaws need to be updated to reflect changes to the names of some of the Board of Governors Committees. The proposed bylaws will be posted on the website and voted on by the members during the November lunch meeting. Please take a look at your Chapter bylaws and plan to attend the November luncheon.

Thanks again to all of the volunteers and supporters that make our Chapter successful. I look forward to seeing all of you at this month's meeting and remember; please RSVP so we can get an accurate head count.

ACCA PROGRAM

(AFFILIATED COMMERCIAL CONSTRUCTION ASSOCIATIONS)

PRESENTED BY ACCA EDUCATION COMMITTEE

“LIGHTING REQUIREMENTS FOR IECC/ASHRAE 90.1 FOR ENERGY CONSERVATION”

PRESENTED BY:

TERRY SCHNEIDER RBD ELECTRICAL FIELD INSPECTIONS SUPERVISOR

WHEN:	<u>THURSDAY OCTOBER 26, 2006</u>
WHERE:	GIUSEPPE'S OLD DEPOT RESTAURANT
TIME:	11:30 AM TO 1:00 PM
COST:	<u>\$15 AT DOOR (CHECKS AND CASH ONLY)</u> LUNCHEON BUFFET (coffee/tea/soft drinks

included)

CHECKS PAYABLE TO: ACCA

CONTINUING EDUCATION CREDIT OFFERED TO AIA MEMBERS ATTENDING

RESERVATIONS REQUIRED BY OCT. 23RD AT 5 PM.

RSVP TO:

DEMPSEY V. CURRIE AIA
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719-597-0429 FAX
E-MAIL dvcurrie@adelphia.net

LUNCH MEETINGS

**Next Meeting is:
Thursday – October 19, 2006
Giuseppe's Old Depot Restaurant
10 S. Sierra Madre Downtown
11:30 a.m. – 1:00 p.m.**

Cost: \$18 advance/on-line, \$20 at door

<http://www.pikespeakashrae.net/store/index2.htm>

Program: Regional Building Department Update

Guest Speaker: Bob Croft, Jim Vernon, Daryl Kuiper

Please RSVP to: Neil Case

STORY OF THE MONTH

U.S. Energy Department Proposes New Efficiency Standards for Home Furnaces

WASHINGTON, D.C. —The U.S. Department of Energy has proposed minimum energy efficiency standards for home furnaces and boilers. DOE's proposal would require all gas furnaces to have at least an 80% annual fuel utilization efficiency (AFUE) rating. It would go into effect in 2015. However, some are criticizing the proposal. They say that 80% AFUE is a level already met by most furnaces being sold, and it is only a slight increase over the requirement issued nearly 20 years ago.

Full Story: <http://www.forbes.com/business/commerce/feeds/ap/2006/10/06/ap3073515.html>

ASHRAE NEWS

Proposed Load Calculation Standard Open for Review

ATLANTA – Heat transfer interactions that occur inside and outside conditioned buildings are highly complex and involve thousands of variables.

This creates a challenge not only for engineers but also for code officials and other entities when trying to assure the proper engineering care was used in determining the load.

To address this need, a new standard is being developed and may soon be available from the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) and the Air Conditioning Contractors of America (ACCA).

Selected portions of ASHRAE/ACCA Standard 183P, Peak Cooling and Heating Load Calculations in Buildings except Low-Rise Residential Buildings, are open for public comment until Oct. 22. To read those sections or to comment, visit www.ashrae.org/publicreviews.

If the current public review is successful, the standard could be published in early 2007, according to Chris Wilkins, chair of the committee writing the standard.

The proposed standard would establish minimum requirements for both the methods used in peak cooling and heating load calculations and the execution of these methods as they apply to commercial, industrial, and high-rise residential buildings.

“We plan to establish a minimum level that is as inclusive of as many methods as possible while still being restrictive enough to mandate an appropriate level of care and accuracy,” Wilkins said.

Guidance on load calculations can be found in the ASHRAE Handbook as well as ACCA's Manual N, which currently are being referenced as the calculation “standards” since no true standard exists, according to Wilkins.

“The Handbook and Manual N are useful but are not written to serve as standards so there was a void,” he said. “With publication of this standard, code bodies and other organization will have a true standard to reference what embodies what ASHRAE and ACCA believe is an appropriate level of care in performing load calculations.”

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.

ACCA is the nationwide association of heating, ventilation, air conditioning, and refrigeration contractors, representing members in every state. For over 40 years ACCA has served the educational, policy, and technical interests of the small businesses who design, install, and maintain indoor environmental systems.

CHAPTER HISTORY

We enter our twenty first year as the 147th chartered member of the *American Society of Heating, Refrigerating and Air - Conditioning Engineers*. I will have available at each lunch meeting a binder for the Chapter History, and for the Chapter Regional Conference held in Colorado Springs, August 12-14, 1993. The binders include correspondence, reports, documents, and photos from these two events. Please take a look and pass them around.

Check out the Chapter History binder and see who was instrumental in the formation of our organization. The steering committee in charge of forming this Chapter was Sol Chavez, Matt Ernst, Paul Pfau, Duane Merrit, Bill Harmon, Mark Abrahamson, Stacey Hieb, Mike Scofield, and Glenn Warner. Three of the nine are present members.

Check out the CRC held in Colorado Springs in 1993. Sol Chavez and Royce Henderson were the Co-chairs and introduced some new things to the annual Region IV CRC. The Friday night banquet with the murder mystery theater was a first, and has set the bar for the annual banquet entertainment since. Review of this binder will give you some idea of the planning and effort it will take to pull off the 2007 CRC. Please get involved.

Chapter Historian

Roy Neese

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