



Notes from thin air....

April 2007

Volume 9 Issue 6

PIKES PEAK CHAPTER ASHRAE NEWSLETTER

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

PRESIDENT'S MESSAGE

By Gary Leffingwell

With only two more lunch meeting left, this year is almost over. It has been a busy year for the Chapter and this will be a busy month for ASHRAE events. I hope many of you can join us for one of the events this month.

Last month Larry Brown, with Air Filter Sales, discussed the ASHRAE filter Standards and discussed the new testing procedures. This month an ASHRAE Distinguished Lecturer (DL), Julian DeBullet, will be in town and will discuss ASHRAE 90.1 at our monthly lunch meeting. Remember that this month's lunch meeting has moved to the fourth Thursday, April 26th. On Friday, April 27th, Julian DeBullet will be speaking at our annual technical seminar. Mr. DeBullet will be discussing chillers and refrigeration issues. If you haven't signed up for the Technical Seminar, seats are still available and you can sign up from the Chapter website. Also, remember to RSVP for the lunch meeting.

This month the Chapter is also hosting a satellite broadcast on indoor air quality on April 18th. The broadcast will take place at the Trane facility and a lunch will be provided. There is no charge for this event, so sign up now. You can also sign up for this event on the Chapter website. The website also has more details about both events.

Each year the Chapter hosts a technology competition for local engineers. The Chapter is accepting applications for the technology competition through the end of the May lunch meeting. Application forms can be obtained from the website. Winners of this year's competition will be forwarded to the regional competition next year and the winners of the regional competition will be forwarded to the national competition. So, don't wait, fill out an application for those interesting projects you have worked on and send in the application. The Chapter is also forming a judging committee consisting of four to five local engineers to review the applications. These engineers should not be submitting in the competition. If you are interested in participating on the judging committee, please see Neil Case or myself and this month's meeting. Or, you can email either of us through, that's right you guessed it, the Chapter's website.

The Chapter annual spring golf tournament has been scheduled and a signup form can be found on the Chapter website. The tournament takes place at Walking Stick golf course on May 18. I think there is still room, so if you have a team and want to participate, get to the website and sign up.

Thanks again to all of the volunteers that make this Chapter run smoothly. I look forward to seeing all of you at this month's meeting.

LUNCH MEETINGS

Next Meeting is:
Thursday – April 19, 2007

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: ASHRAE 90.1

Guest Speaker: Julian DeBullet, ASHRAE Distinguished Lecturer

Please RSVP to: Neil Case - Programs@pikespeakashrae.net

ASHRAE NEWS

ASHRAE, ACCA Publish Load Calculation Standard

ATLANTA – A new standard that establishes minimum requirements for performing load calculations has been published by the American Society of Heating, Refrigerating and Air-Conditioning Engineers. The standard was developed in conjunction with the Air Conditioning Contractors of America (ACCA).

ANSI/ASHRAE/ACCA Standard 183-2007, Peak Cooling and Heating Load Calculations in Buildings Except Low-Rise Residential Buildings, is available for purchase at www.ashrae.org/bookstore.

Proper load calculations are the first step in any design process, says Chris Wilkins, chair of the committee that wrote the standard. "Efficiency and comfort are only possible if the equipment is selected to match the load."

The standard establishes minimum requirements for building loads that are inclusive of as many procedural methods as possible while identifying core elements that impact heat loss and gains. Requirements are non-prescriptive and are aimed at ensuring that developers of load calculation methodologies observe recognized good practices. The specifics in undertaking a load are left to the

discretion of the industry professional by their selection and application of load methodologies that meet the standard.

The need for the standard was driven largely by the desire of the code enforcement community. Code references to the ASHRAE Handbook existed, making it the de facto standard.

"The industry recognized that we were the appropriate source for load calculation guidance, but the problem was that the ASHRAE Handbook was never intended to be a standard," says Wilkins. "Standard 183 now provides an appropriate compliance reference that reconciles each organization's needs."

"We are pleased that the standard meets the needs of our members," says Phil Forner, ACCA 2007 – 2008 chairman. "ACCA wants contractors to have access to the most accurate, efficient and effective design standards, and this will help contractors with commercial building load calculations."

The cost of Standard 183-2007 is \$24 (ASHRAE members, \$19) and is available in print and download versions. 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 Bookstore at www.ashrae.org.



**Applicant to work in government
advisory role
ASHRAE Sponsors One-Year
Washington Fellowship**

ATLANTA – Forget Mr. Smith Goes to Washington. This year, Mr. or Ms. HVAC Engineer is going as well.

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) is sponsoring a one-year fellowship in Washington, D.C., that will allow the participant to work in the federal government in a technical advisory role. Possible placement areas include the White House Office of Science and Technology

Policy, Congress or a federal agency such as the Department of Energy or the General Services Administration

The fellowship is designed to educate participants on the inner workings of federal policy-making, to provide scientific guidance and analysis to decision-makers, and to increase the visibility and involvement of scientists and engineers in the public policy arena.

“Federal government fellowships provide engineers with a unique opportunity to participate directly in the policy making process,” says Doug Read, ASHRAE’s program director of government affairs. “This experience enables Fellows to bring back to their employers an insider’s perspective on government decision making that can contribute significantly to the mission and vision of the organization.”

The fellowship runs from September through August 2008, and an orientation is conducted through the American Association for the Advancement of Science.

Candidates should possess a doctoral or other terminal degree in engineering or a scientific discipline. Final placement of the selected fellow depends on the needs of the government offices and agencies at the time as well as on the skills and experience of the applicant.

ASHRAE members interested in applying for the Fellowship can contact Doug Read, at (202) 833-1830 or e-mail dread@ashrae.org. The deadline is June 1.

ENERGY STORY OF THE MONTH

Palo Alto city attorney: Requiring LEED for private projects not legal

Palo Alto, Calif., City Attorney Gary Baum has advised City Council members that imposing "green" building requirements—such as LEED certification—on private-sector projects may not be within the council’s power. "It is in our best interest to incentivize rather than to restrict," Baum told the council and the city's Architectural Review Board..

Full Story: <http://email.bdcmaq.com/cqi-bin7/DM/y/htFU0JXmPo0PJ60BaGT0EU>

EMPLOYMENT LISTINGS



Commissioning Project Engineer

Position Mission

CTG Energetics' energy team is seeking full time professionals to provide commissioning and energy efficiency services. You'll be joining a growing high performance building consulting practice with a national reputation.

Specific Duties

- Provide commissioning services for new and existing buildings
- Duties include commissioning plan development and execution as well as field work (some overnight travel may be required)
- Assist in energy efficiency projects
- Provide green building consulting services to support LEED and other green building projects

Capabilities/Attributes Required

- Specialized experience and technical expertise in building commissioning
- 5-7 years experience (including hands-on) in Mechanical Engineering for buildings
- Strong understanding of commercial buildings, MEP systems, and building controls
- Cooperative people skills to facilitate working with colleagues and clients
- Ability to effectively prioritize and execute numerous project responsibilities simultaneously
- *PE license, commissioning industry certification, LEED® AP, and CEM certification are all pluses*
- General computer proficiency (Excel, Word, etc.)
- Good ability in English oral and written communications



Contact: E-mail resume to John Irvine, jjj@ctgenergetics.com
For more information visit: <http://www.ctgenergetics.com> and click on Careers.

START GEARING UP FOR THE SPRING GOLF TOURNAMENT!

REGISTRATION HAS BEGUN ON THE WEBSITE.

FRIDAY MAY 18, 2006 @ WALKING STICK GOLF COURSE IN PUEBLO, CO

ROOM IS RUNNING OUT SO SIGN UP SOON!!!!

CODE UPDATE

The PPRBD Mechanical Code Review Board has completed their review of the 2003 International Plumbing Code (IPC) and proposed amendments are complete. PPRBD is currently using the 2000 Uniform Plumbing Code (UPC). A public hearing has been scheduled for May 9, 2007. PPRBD is trying to obtain approval for this change as soon as possible. The proposed amendments are posted online and can be found by following this link:

<http://www.pprbd.org/agendas/2007/2003%20IPC%20AMDMTS.pdf>

Now is the time for ASHRAE members to let their opinions and technical experience be heard.

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