THERMOGRAM

The New Jersey Chapter of ASHRAE Newsletter

www.njashrae.com | April 2013 | reply@njashrae.com

Broadening ASHRAE's Horizons

Installation of New Officers & Scholarship Award Night

Tuesday, May 7, 2013

Speaker's Topic:

The Benefits Of Using Variable Speed Drives In Central Plants With Multiple Chillers

Speaker: James Trainor
Johnson Controls

Cost: **Members $50.00**
Non-members $55.00
YEA members $25.00
Students $5.00

Time: **4:30 pm Board of Governors Meeting**
5:30 pm Sign In and Networking
6:30pm Chapter Announcements, Dinner and Speaker to follow

Location: **Renaissance Woodbridge Hotel**
515 US Highway 1 South
Iselin, NJ
732-634-3600

RSVP: **REPLY@NJASHRAE.COM**
(click on hotlink above to email)
or Call 732-218-7463 and leave a message

The NJ Chapter Will Be Providing Certificates Of Attendance To Those Attendees That Require Them For This Presentation

COMMITTEES (continued)

CTTC
John Tellefsen, PE
973-565-7622

Historian
Open

Honors & Awards
Open

Membership
Scott Smith, PE
973-227-8666

Newsletter Ads & Editor
James Sarno, PE
732-938-2666

Nominating
Chris Phelan
973-777-6700

Programs
James Sarno, PE
732-938-2666

Refrigeration
Dave Halko
609-520-1600

Research/Promotion
Roger Shults
973-396-4152

Scholarships
James Sarno, PE
732-938-2666

Seminars
Open

Special Events/ Golf Outing
Chris Phelan
973-777-6700

Student Activities
Spencer Reynolds

Technical Sessions
Open

Web Page Editor
Dorrie Mercurio, PE

YEA Chair
Michelle Contri, PE

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reply@njashrae.com
732-218-7463

ASHRAE Society
Toll Free Number
1-800-527-4723

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NJ Chapter Slate Of Officers For 2013—2104

President: Scott Smith, PE
President-Elect: John Tellefsen, PE
Vice-President: Vacant
Treasurer: Chris Lambert
Secretary: Kent Silveria

Board of Governors: Michelle Contri, PE
Dave Halko
Dorrie Mercurio, PE
Chris Phelan
James Rossetti, PE
James Sarno, PE

President's Message
By Jim Sarno

For those looking for work, check out the last two pages of the Thermogram for our Help Wanted ads.

The upcoming May meeting will be the end of a very busy Chapter Year. During the last ten months the Chapter has seen a large increase in attendance at meetings. We are now averaging forty-two members per meeting and at the last three meetings we have distributed twenty-two PDH certificates or Certificates of Attendance per meeting.

The annual NJ Chapter Golf Outing will take place in June at Fox Hollow Golf Course. This is our annual fund raiser for Research Promotion. Keep an eye out for an email flyer which will have all the information regarding the outing in it. Even if you can't make it, you can still donate. Contact Roger Shults or any Chapter Officer if you want to learn how.

At the May Meeting we will be distributing Chapter Scholarships to two local students, Josh Zaro (who also received a scholarship last year) and Mohamed Abbassi.

The slate of officers for next year is as follows can be found on Page 2. The installation of new officers will also take place at the May meeting.

The goal of the Chapter for the upcoming year is to find more volunteers; a theme that may sound familiar. We're not asking everyone to chair a committee, but rather to help out on a committee with a small time commitment. You'll be surprised how enjoyable it can be. This year already, three members from Trane New Jersey have stepped up to help the Chapter and will be taking the lead on the Newsletter this summer reinforcing that a committee of three helps make the workload that much easier compared to a committee of one. In addition, our incoming Secretary is also from Trane New Jersey.

The June social will be finalized by the end of May and we'll send out an email blast to let everyone know.

Thanks and hope to see you at the meeting.
Jim

2012—2013 Presidential Award of Excellence (PAOE) Summary

Chapter Members	Member Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	NJ Chapter PAOE Point Total
-	Min = 500	Min = 300	Min = 800	Min = 100	Min = 400	Min = 450	-
-	Par = 800	Par = 500	Par = 1,050	Par = 300	Par = 1,000	Par = 1,050	-
695	760	325	425	150	1,070	825	3,555

Speaker Bio:
James Trainor
Johnson Controls (JCI), Edison,NJ
Presentation Title: The Benefits Of Using Variable Speed Drives In Central Plants With Multiple Chillers

James Trainor is an Account Executive with Johnson Controls (JCI) in Edison, NJ. He has a BS degree in mechanical engineering from The College of New Jersey. James was previously employed by York International prior to their acquisition by JCI in 2005. His primary responsibilities include assisting engineering firms with design of HVAC systems and equipment for industrial and commercial projects.

James specializes in chiller plant design and has been involved with the design and execution of projects totaling more than 50,000 tons of cooling with clients including Microsoft, Google, HP, Verizon and AT&T. Recent notable projects include the installation of 2,700 ton steam turbine driven chiller at UMDNJ in Newark and he is currently involved with providing a 2,300 ton steam turbine driven chiller and 2,000 ton electric chiller for the new co-generation plant at Montclair State University.

Presentation:

Calendar of Upcoming Meetings/Events

Date	Speaker	Topic	Theme
October 2, 2012	Jerry Sipes, PE Price Industries	ASHRAE Standard 170 Pertaining To Patient Rooms Using Displacement Ventilation or Chilled Beams	Welcome Back
November 13, 2012	Hank Jackson, PE ETech Solutions	Beam Me Up Scottie! Transport Energy; Motors, Fans & Pumps	-
December 4, 2012	Tyler Malm Trane North Jersey	Fundamentals of Psychrometrics	Past President'sNight And Back To Basics Night
January 9, 2013	Anirban Basu Sage Policy Group	Economic Policy	Joint Meeting With NJ ASPE & NJ MCA
February 5, 2013	Jeff Barat D&B Engineering	High Performance Chilled Water Systems	Research Promotion Night
March 5, 2013	Nick Gmitter DLB Associates	Energy Modeling Of Existing Buildings	Membership & History Night
April 2, 2013	Ben Mueller Ostergaard Acoustical Associates	Noise Complaint Case Study	Student & YEA Night
April 18, 2013	ASHRAE Panel	Assessing Building Energy Performance: From Principles to Practice	Free ASHRAE Webccast See Article In This Edition
May 7, 2013	James Trainor JCI	The Benefits Of Using Variable Speed Drives In Central Plants With Multiple Chillers	Installation of New Officers & Scholarship Award
June 2013	Summer Social	To Be Determined	Spouse's Night

April Meeting Recap

Topic: Noise Complaint Case Study
Held April 2, 2013 at the Renaissance Woodbridge Hotel
Speaker: Benjamin C. Mueller, P.E.,
Ostergaard Acoustical Associates, West Orange, NJ

Many thanks to Ben for presenting to the Chapter on this topic. Ben's presentation very nicely covered the steps taken to alleviate a noise complaint and show that being a 'good neighbor' is not a bad thing. The volume of questions also showed how well received this topic was.

Presentation:
The case study reviewed the various steps undertaken to resolve a noise complaint at a large industrial campus, and the analysis and engineering behind it. Resolving a noise complaint can often go beyond simple code compliance and sometimes becomes impossible to completely mitigate, especially when trying to please an individual complainant. An approach consisting of a detailed investigation, consideration of all major noise sources and paths, and maximizing noise reduction efforts through optimized solutions offers the best means to minimizing potential noise complaints.

OSTERGAARD ACOUSTICAL ASSOCIATES

Ben during his presentation.

April Meeting Recap

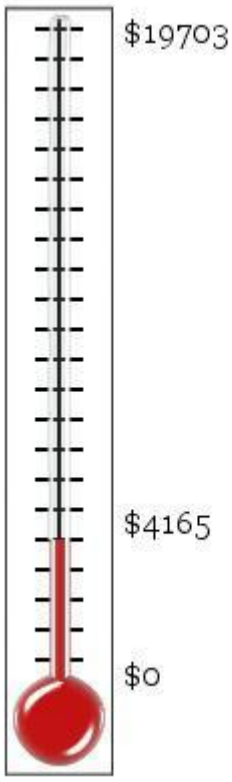
RESEARCH PROMOTION

Chair: Roger Shults

THANK YOU **to all of the 2012-2013 Chapter Supporters of ASHRAE Research to date.**

List of Chapter Contributors (Individuals and Companies)

Mr Spencer Morasch
Mr Garry N Myers
Mr Mohammed A Jalil
Mr James A Van Wyk
Mr Spencer Morasch
Mr Christopher G Phelan
Mrs Dorrie A. Mercurio, PE
Mr John E Tellefsen
Mr Roger A Shults
Mr James Rossetti, PE
Mr David E Halko
Mr Scott T Smith
Mr James Sarno, Jr
Mr Chris M Lambert
New Jersey ASHRAE Chapter
Mr Laurence J Shapiro, PE
Mr Leonard H Schwartz
Mr James A Stainner
Bridgeline Mr Roger A Shults
Mr Paul A Scheele
Mr John G Woerner
Mr Charles W Morgan
SRS Enterprises
Epic Mechanical Incorporated
Mr Paul D Hansen
Mr William A Piegari
Thermco
Mr Ronald E Bohman
Mr Sydney Samuels
Mr Marmaduke B Holt, III
Mr Vincent J Barone, PE PA
Mr James R Bucciaglia
Mr Robert A Rankel
Mr Leslie Sterling



***Contributions as of April 29, 2013**

100% of the money donated to ASHRAE Research Promotion goes toward Research!

Donations are tax deductible

Please contact Roger Shults if you would like to donate or have any questions about ASHRAE Research.

To donate online click:
https://xp20.ashrae.org/secure/researchpromotion/rp.html

ASHRAE Expands Jobs Opportunity Board

ATLANTA – ASHRAE members now have increased opportunities to find jobs within their chosen field under an expanded jobs board.

The expansion between ASHRAE and BirdDog, which have worked together since 2009 to provide job board support at www.ASHRAEjobs.com, will make it easier for employers to fill built environment technology positions, as well as provide ASHRAE members with increased opportunities to find jobs within their chosen fields. The expanded ASHRAEjobs site specifically allows employers, looking to hire ASHRAE members, to post their listings throughout the BirdDog family of job boards, as well as ensure all ASHRAE members have the opportunity to see the job posting.

"Our members are in high demand, and that's good news," Tim Wentz, volunteer chair of ASHRAE's Publishing and Education Council, which oversees ASHRAEjobs.com. "Unfortunately, like so many industries, companies wanting to or already employing ASHRAE members, report troubles finding the right candidate. The improved ASHRAEjobs site, along with its four years of history, gives us the foundation to expand our efforts and ensure the right talent is being matched up with right job."

"It had become evident in the past year that there was a gap between what we had in place and an increasing demand for both employers and job seekers to have a solution that was both effective and efficient," Bryan May of BirdDog said.

This announcement comes at a time where employers are reporting difficulties finding qualified candidates for open positions. ASHRAE members are the global leaders of building technology. To qualify as a full ASHRAE member, a minimum of 12 years professional experience must be shown in the industry.

The new service launched April 15, 2013. Employers who have questions about the expanded partnership should contact Bryan May at 515-473-9212.

BirdDog provides a cloud-based recruitment and applicant tracking software to small and medium sized companies across the country that simplifies the hunt for right-fit candidates.

ASHRAE Publishes Second Edition of Hospital Design Manual

ATLANTA – Health care HVAC systems serve facilities in which the population is uniquely vulnerable and exposed to elevated risks of health, fire and safety hazard. These heavily regulated, high-stakes facilities undergo continuous maintenance, verification, inspection and recertification, typically operate 24/7 and are owner occupied for long life.

A newly published manual from ASHRAE provides guidance on addressing these issues for mechanical and consulting engineers, designers, architects, facility managers, infection control personal, maintenance staff, contractors, developers and code accreditation and licensure officials.

"HVAC Design Manual for Hospitals and Clinics, Second Edition," provides in-depth design recommendations based on best practices, and presents proven, cost effective and reliable solutions that result in low maintenance cost and high reliability with systems providing desired performance and efficiency. The book, a complete rewrite of the first edition, focuses specifically on HVAC system design for health care facilities, omitting general system descriptions that are readily available in other ASHRAE publications.

ASHRAE Publishes Second Edition of Hospital Design Manual (continued)

"The manual presents a unified and comprehensive summary of engineering background on the standard, how to meet it and alternatives for best engineering practices beyond the minimum requirements," Daniel Koenigshofer, P.E., editor of the manual, said. "A principle objective of the manual is to present what is different about designing HVAC systems for hospitals and healthcare facilities."

Chapter Two describes how the principles of infection control have influenced the regulations which in turn are the bases for the unique design principles needed for hospitals.

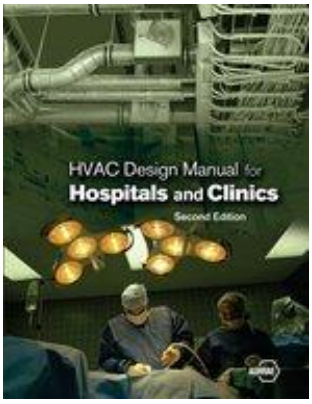
ASHRAE's first "HVAC Design Manual for Hospitals and Clinics," which serves as a comprehensive source for the design, installation and commissioning of HVAC systems for hospitals and clinics, was published in 2003.

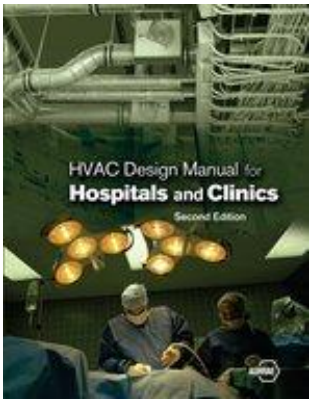
Koenigshofer, of Dewberry, noted the writing of this manual was a highly collaborative effort by 20 of the top consulting and hospital engineers in the country. These contributors include:

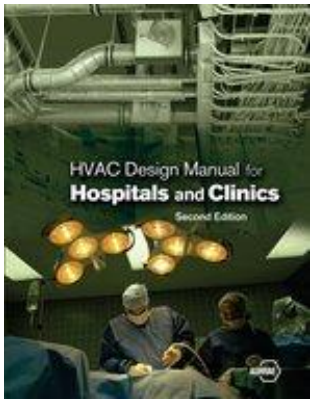
- John Murphy, Trane Co.
- Walter Grondzik, P.E.
- Reg Brown, P.E., Price Industries
- Donald Burroughs, P.E., Dewberry
- Jill Connell, P.E., CDi Engineers
- Hal Corin, Dewberry
- Jeff Crozier, P.E., Precis Engineering Inc.
- Jeremy Fauber, P.E., Heapy Engineering
- Traci Hanegan, P.E., Coffman Engineers, Inc.
- Jeff Hardin, P.E., U.S. Army Corps of Engineers
- John M. Kramer, P.E., Duke University Medical Center
- Nicolas Lemire, P.Eng., Pageau Morel
- Michael Meteyer, P.E., Erdman
- Frank Mills, C.Eng., Sinclair Knight Merz
- Heather Platt, P.E., Seneca Construction Management Corp.
- Layle Thomas, Dewberry
- Jerry Thompson, P.E., Duke University Medical Center
- Ron Westbrook, P.E., State University of New York

The cost of "HVAC Design Manual for Hospitals and Clinics, Second Edition" is $115 ($99 ASHRAE members).

To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax: 678-539-2129, or visit www.ashrae.org/bookstore.







26 Proposed Addenda to ASHRAE/IES Energy Standard Open for Public Comment

ATLANTA – With the 2013 version of the ASHRAE/IES energy standard scheduled for publication later this year, many changes are being proposed to strengthen its requirements.

As such, 26 proposed addenda to ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings, are open for public comment.

"As we move toward publication of the 2013 standard, the 90.1 committee is considering many changes to reduce building energy use and cost," Steve Skalko, chair, said. "The proposed addenda reflect a variety of changes to the standard, many of which are the result of earlier public review comments. These changes contribute to our goal of making the standard 40 to 50 percent more stringent than the 2004 standard."

The energy cost goals for the 2013 standard are:
•Regulated Loads only – 50 percent target includes only regulated energy end use loads as included in the Standard 90.1-2004 baseline.
•Whole building – 40 percent target, which includes all energy end uses

Twenty-two proposed addenda are open for public comment from March 22-April 21, 2013. For more information, visit www.ashrae.org/publicreviews. They are:
•aa mandates direct digital control (DDC) for certain applications in both new buildings and retrofits where cost effective and defines the minimum capability of mandated DDC systems.

•bo adds requirements for use of gas condensing service water heaters in newly constructed buildings.

•bs reduces the occupancy threshold for demand controlled ventilation from greater than 40 people per 1000 square feet, with exemptions for certain occupancies, to equal to or greater than 25 people per 1000 square feet, expanding the occupancies where demand controlled ventilation is required.

•co corrects the calculation of hotel and motel type guestroom spaces based on an error in applying the room geometry of the space type, which then changes the associated whole building lighting power densities (LPDs) for hotel and motel.

•cr modifies the designation for the types of facilities eligible for the higher LPDs based on use of space for those needing additional lighting for age and other related eye issues.

•ct corrects an error for the addition of HVAC systems to heated only storage areas in Appendix G. The single zone systems would be assigned to a single thermal zone vs. being grouped with the multiple zone systems.

•cw uses the new SS-EN ISO 25745-1:2012 to add a movement energy efficiency requirement for elevators.

•cy revises the requirements for the use of exhaust air energy recovery as defined in 6.5.6.1. In 2012, addendum bt expanded down the range for the use of exhaust air energy recovery to 10 percent ventilation rates. In addition, energy recovery was removed for climate zones 3B, 3C, 4B, 4C, and 5B for >70 percent outside air. These changes were based on the latest performance and economics analysis,

•cz ensures revisions to a table and new footnotes are consistent with Section 303 of the Energy Independence and Security Act of 2007 (EISA 2007), which increased the federal minimum efficiency standards for residential-sized boilers. Section 303 increased the minimum annual fuel utilization efficiency for gas and oil-fired boilers, and established design requirements for certain types of new boilers manufactured or imported for use in the United States. All of the efficiency and design requirements took effect for equipment built on or after Sept. 1, 2012.

•da provides two compliance paths for high speed doors within the Mandatory Air Leakage requirements. It also clarifies which test glazed overhead doors are to follow.

•db addresses an error in addendum bb contained within Table 5.5-3, under the category "Floors, Steel Joist" and in the cells assigned to the "residential" occupancy.

26 Proposed Addenda to ASHRAE/IES Energy Standard Open for Public Comment (continued)

•dc clarifies that rooms within suites should be handled individually when one becomes empty.

•dd clarifies the exception to re-roofing and roof re-covering.

•de revises the design point for waterside economizers in computer room applications.

•df replaces current minimum performance requirements for packaged Computer Room Air Conditioners shown in Table 6.8.1k with a new table based on Standard 127-2012. The standard had referenced the 2007 version of Standard 127, Method of Testing for Rating Computer and Data Processing Room Unitary Air Conditioners. AHRI and member companies have agreed to test their equipment under the new standard. The test configurations were increased and the performance values updated accordingly.

•dg changes the reference to the 2012 ANSI/CRRC Standard from the 2010 version.

•di prohibits use of fossil fuels and electricity for humidification above 30 percent RH and dehumidification to 60 percent RH, except in special circumstances. Where control is required within the 30-60 percent region, a deadband is required. Where even tighter control is mandated, the system is exempted.

•dj offers an increase in electrical/mechanical rooms in cases where the current proposed allowance of 0.42 W/ sqft is not considered sufficient to provide needed vertical and horizontal illuminance given the varied configuration of electrical/mechanical rooms. The additional allowance would have to have separate control and could not be traded off to other spaces in the building.

•dk eliminates the exemption for wattage used in spaces where lighting is specifically designed for those with age related or other medical condition related eye issues where special lighting or light levels might be needed.

•dl corrects the calculation of hotel and motel type guestroom spaces based on an error in applying the room geometry of the space type and combines them into a single value since the calculated value are determined to be the same for code purposes.

•dn revises the requirements for the use of hot gas bypass as defined in section 6.5.9 and table 6.5.9.

•do is updating referenced standards in various provisions covering mechanical systems in 90.1-2010.

In addition, three addenda under review that received public comments in earlier reviews have been revised and are open for public comment from March 22-May 6, 2013. They are:
•ac provides for two compliance paths with regard to utilizing air spaces in conjunction with reflective surfaces.

•bm makes the baseline building in Appendix G equivalent to 90.1-2004 for interior lighting design.

•cl modifies IEER requirements for the air cooled air conditioners; 65,000 Btu/hr and < 135,000 Bu/hr to increase the IEER from 12.8 to 12.9 for electric resistance heating units and 12.6 to 12.7 for gas fired units. It also revises air cooled heat pumps; 65,000 Btu/hr and < 135,000 Bu/hr for electric resistance heating units from 12.0 to 12.2 and from 11.8 to 12.0 for gas fired units.

•In addition, one addendum opens for public review on March 29, closing April 28.
Addendum cv develops baseline energy use guidance for public assembly spaces toward assessing energy performance achievement of a proposed building. Public assembly spaces are typically designed and operated differently than surrounding spaces.

New BACnet Standard Published with Significant Improvements to Alarm Handling

ATLANTA – Changes to the newly published BACnet standard from ASHRAE will encourage smart lighting controls and other building automation controls systems.

ANSI/ASHRAE Standard 135-2012, BACnet – A Data Communication Protocol for Building Automation and Control Networks, allows building equipment and systems manufactured by different companies to work together. It is the only open, consensus-developed standard in the building controls industry.

The new standard is being published ahead of schedule due to the wide-reaching changes in alarming functionality made by addendum af to Standard 135-2010. This edition of the standard also includes recently adopted changes for the lighting industry.

Addendum af provides significant improvements to the alarm handling in BACnet including: improved fault handling, temporary alarm recipient subscriptions, improvements in scalability of alarm distribution and simplifications in alarm distribution to support less complex products, according to Carl Neilson, chair of the Standard 135 committee.

“For building owners/integrators these changes allow improvements in interoperability between lighting control products and other building automation systems,” he said. “Hopefully, this facilitates more deployment and integration of smart lighting controls, such as lights that turn on/off when occupants enter/leave rooms; lights that come on based on the same schedules as climate control; and opportunities to reduce lighting based on energy usage during demand/response events. With the changes in alarming, we also hope to see alarming support in ‘smaller’ devices, which should provide more alarm and fault detection with a lower engineering cost.”

Addendum af contains 32 parts. Changes include:
•Removal of Annex C and Annex D
•Clarification of optionality of properties related to intrinsic event reporting; optionality of properties related to change of value reporting; priority_array and relinquish_default; segmentation related properties; virtual terminal related properties; time synchronization interval properties, backup and restore properties; active_COV_subscriptions property; slave proxy properties; restart related properties; log_deviceobjectproperty; clock aligning properties; and occupancy counting properties are allowed to be present
•Ensures that pulse_rate and limit_monitoring_interval are always together and that that event notifications are not ignored due to character set issues
•Adds the ability to configure event message text; event detection enable/disable property; dynamically suppress event detection; specify a different time delay for to-normal transitions; inhibit the evaluation of fault conditions; for some objects types to send only fault notifications; a notification forwarder object type; an alert enrollment object type
•Separates the detection of fault conditions from intrinsic reporting
•Makes the event reporting property descriptions consistent
•Identifies the property in each object that is monitored by intrinsic reporting
•Changes the description of the reliability property
•Improves fault detection in event enrollment objects and the specification of event reporting
•Reduces the requirements on notification-servers

This version of the standard also includes the addition of support for lighting control through the new lighting output object, the channel object and the WriteGroup service.

The cost of ANSI/ASHRAE Standard 135-2012, BACnet—A Data Communication Protocol for Building Automation and Control Networks, is $170 ($140, ASHRAE members).

To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 678-539-2129, or visit www.ashrae.org/bookstore.

ASHRAE Government Affairs Update

Green Mountain State Battleground for Licensure Fight?

In the February 22 edition of the *Update*, we mentioned the possibility that the "master's-or-equivalent" (MOE/bachelor's-plus-30 (BS+30) licensure issue was heating up in Vermont and West Virginia. Concerns in West Virginia have subsided, but in Vermont, ASHRAE's Champlain Valley Chapter (CVC) – along with ASHRAE's partners in the Licensing That Works Coalition – is ramping up efforts to make sure that no negative measures gain traction there. Here are some of the recent developments:

The chair of the licensure board is an ASHRAE member and can participate in board discussions about MOE proposals, but is likely to recuse himself from voting on any MOE proposals that come before the board because of his affiliation with ASHRAE and our long-standing opposition to MOE (see *Rules of the Board*, Section 4.100.015.2, for the official Board of Directors position on this issue). Consequently, it is unclear how the board might vote if such a proposal were to be presented to it.

- A state representative who is a past president of the National Council of Examiners for Engineering and Surveying (NCEES), the national organization made up of U.S. engineering licensing bodies (and the developer of the model law requiring MOE by 2020), has indicated that he may propose an amendment to a professional regulation bill (covering many professions other than engineering) pending before the legislature or introduce a standalone bill to require MOE in his state. If such a measure were to be enacted, the Green Mountain State would be the first in the U.S. to adopt this controversial mandate.

- At its most recent chapter meeting, the CVC hosted a point/counterpoint discussion about MOE, at which a surrogate for the state representative and an ASME member who teaches engineering at Norwich University presented opposite sides of the issue. After the discussion, a vast majority of chapter members indicated their continued opposition to MOE.

- Also, the CVC will be sending letters and other materials to key legislators and to members of the licensure board reiterating their opposition to MOE and offering technical and policy support to those policymakers if they have questions about the issue.
-

Although no state has adopted an MOE requirement yet, ASHRAE chapters, sections, and members must remain vigilant on this issue and keep their respective Grassroots Government Activities Committee (GGAC) Regional Vice Chairs – as well as their GGAC chapter chairs – in the loop if even the chance of an MOE proposal comes up. To get connected with your RVC and to keep the lines of communication from the Society level on down, please contact Mark Wills, ASHRAE's Manager of State and Local Government Affairs, at mwills@ashrae.org or "like" the GGAC Facebook page and post a comment.

ASHRAE Government Affairs Update

President Obama to Release Budget Request

President Barack Obama will release his much-anticipated budget request to Congress for fiscal year 2014 on Wednesday, April 10. The President typically submits his request in February, but held back this year because negotiations were occurring throughout February and most of March on how to address the $85 billion in automatic across-the-board federal funding cuts, commonly referred to as "sequestration", which took effect in March as a result of the Budget Control Act. For additional information on the sequester, see the March 8 edition of the Government Affairs Update.

The President's budget request serves as a vehicle for conveying his policy priorities to Congress and the American people, and while it often has little actual impact on funding decisions, it does provide useful and interesting insights into the priorities of federal agencies and the activities that may be scaled up, downsized, or kept the same. Next week, agencies will hold public briefings during which in-depth information will be provided on the basis for their funding requests.
For additional information, please contact Mark Ames, ASHRAE's Senior Manager of Federal Government Affairs, at mames@ashrae.org.

U.S. House Committee to Hold Hearing on STEM Education

The U.S. House Education and Workforce Committee will hold a hearing on April 10 that examines the importance of science, technology, engineering, and mathematics (STEM) education in America's K-12 schools. In particular, the hearing will focus on the issue of overlap and duplication in federal STEM education programs. A reason for this hearing is a Government Accountability Office (GAO) report which found that there are 209 federal STEM education programs spread across 13 agencies. These programs carried a combined price tag of $3 billion in 2010.

The hearing will be available via live webcast at 10:00 a.m. on April 10, and will be later archived at http://ow.ly/jKwyf.

Congress Passes Bill to Fund Government through September

Working through about 100 proposed amendments, this week the U.S. Senate, followed by the House, passed a continuing resolution (CR) that funds government programs through September 2013, when the federal fiscal year ends.

The $984 billion bill was passed by wide bipartisan margins (73 to 26 in the Senate, and 318 to 109 in the House), and bakes-in the $85 billion in government-wide spending cuts that went into effect on March 1, as a result of sequestration. The specific impacts of the CR and these spending cuts on individual government activities is still largely unknown, but is an issue ASHRAE is paying close attention to, as they will be felt by places such as the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (administers building energy efficiency programs), and the U.S. Energy Information Administration (administers the Commercial Buildings Energy Consumption Survey).

The CR, which President Obama is expected to sign into law, banishes the threat of an upcoming partial government shutdown that Members of Congress from both parties feared could harm the economy just as it begins to slowly recover. Congress will now turn its attention to developing funding bills for the next fiscal year, which begins in just seven months.

For additional information, contact Mark Ames, ASHRAE Senior Manager of Federal Government Affairs, at mames@ashrae.org or 202-833-1830.

ASHRAE Government Affairs Update

Grassroots Update: How Does It Work?

In the coming weeks, look for updates to the Government Affairs portion of the ASHRAE website. New content will be made available as to enable ASHRAE regions, chapters, sections, and members to become more involved in grassroots government activities – mostly notably, guidance on running a chapter Grassroots Government Activities Committee (GGAC).

Once the GGAC launches in earnest in Society Year 2013-14 (i.e., after the Annual Conference in Denver [June 22-26]), more information will be made available, so stay tuned.

Also, should you be interested in being a GGAC leader in your chapter or section, please contact Mark Wills, Manager, State and Local Government Affairs, at mwills@ashrae.org to initiate communication with the Regional Vice Chair for GGAC in your region, a list of whom are provided below.

- Richard Vehlow (Region I)
- Doug Cochrane (Region II)
- Dunstan Macauley (Region III)
- Bryan Lampley (Region IV)
- Sonya Pouncey (Region V)
- Kelly Crow (Region VI)
- Chad Moore (Region VII)
- Jon Symko (Region VIII)
- Brian Lynch (Region IX)
- Mark Bender (Region X)
- Jeff Hurd (Region XI)
- Ricardo Esbri (Region XII)
- Yong Kong Ng (Region XIII)
- Ahmed Alaa Eldin Mohamed (Region-At-Large)

Welcome to ASHRAE's Government Affairs Update! Along with the Government Affairs Webpage, periodic e-mail updates feature information on government affairs-related activities of interest to ASHRAE members and others interested in the built environment. Archives of previous updates are available from the Government Affairs Webpage (http://www.ashrae.org/government-affairs).

If you have any recommendations regarding content, or have questions about or would like to participate in Washington Office activities, please contact ASHRAE Government Affairs staff at (202) 833-1830 or washdc@ashrae.org.

Join us at ASHRAE's 2013 Annual Conference

Denver, Colorado | June 22–26, 2013

Register Early for the Best Deal!
www.ashrae.org/denver

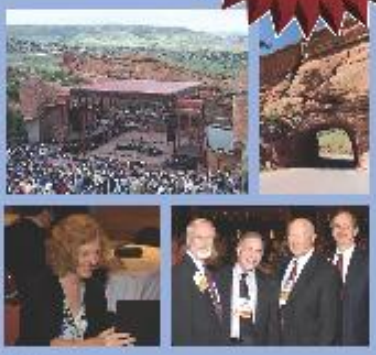
Take advantage of the opportunity to discuss and examine the latest topics in the building industry, such as high performing buildings and integrated design, through the technical program; participate in technical tours; attend ASHRAE Learning Institute courses; and earn professional credits.

Research Summit — held in conjunction with the 2013 Annual Conference. The summit addresses the latest research results, innovative research techniques and forecasts future research directions.

Technical Program — presentations and papers focus on current research worldwide; core HVAC&R applications and systems; and Integrated Project Design, Energy Modeling and Building Efficiency Performance.

Networking — share ideas and learn from fellow members from your hometown and around the world.

ASHRAE Learning Institute — seven in-depth training courses including a new Professional Development Seminar on Operations and Maintenance of High-Performance Buildings and a new Short Course on Optimization of HVAC Systems and their Components.



$$$ Special first time attendee registration fee available!

SATURDAY, JUNE 22, 2013	
3:15PM	Plenary Session
6:30PM	Welcome Party – Denver Art Museum
SUNDAY, JUNE 23, 2013	
8AM – 4:45PM	Technical Program
MONDAY, June 24, 2013	
8AM – 12N	Technical Program
2:15PM-5PM	Technical Program
12:15PM-2PM	President's Luncheon
TUESDAY, JUNE 25, 2013	
8AM – 4:15PM	Technical Program
12N	Life Members Luncheon
6:30PM	Members Night Out
WEDNESDAY, JUNE 26, 2013	
8AM – 12:30PM	Technical Program

Help Wanted

HVAC Designer/ Engineer/Project Manager – Northern NJ
Full-Time:

MEP Design and engineering firm in Northern New Jersey is seeking to hire a Mechanical Engineer/ Project Manager.

Qualifications:
BS Degree in Mechanical Engineering
Minimum (4-5) four to five years experience in HVAC Design for commercial spaces, hotels, apartment buildings and educational buildings.
Excellent communication skills and have ability to articulate conceptual ideas with clients.
Proficient with AutoCAD 2010

Responsibilities:
Mechanical design on multiple projects from schematic through construction phases.
Complete design and specifications with supervision.
Coordinate project work between mechanical, electrical & plumbing.

Benefits Include:
Full Medical
Competitive Wages

E-mail resumes to:
Shine Engineering, P.A.
john@shineengineering.com

Help Wanted

HVAC designer/engineer wanted for Princeton, New Jersey consulting firm. Experience in design of HVAC systems for institutional and commercial buildings required. AutoCad proficiency is a must.

Our firm provides full mechanical and electrical systems design services for a variety of building types, including theaters, government, university and historic structures. We have an emphasis on sustainable design and work with many of the area's most prestigious institutions.

Work is interesting and challenging in an informal atmosphere with opportunity for advancement. Full benefits are provided.

Salary will be commensurate with experience.
Principals only, please; no agencies.

E-mail resumes to:

Princeton Engineering Group, LLC
contact@pegllc.com

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Advertising Rates

Newsletter Ad Includes:

- Business Card ad in 3 Newsletters (next newsletter is May), will be published the end of the month)

COST: $75

Website Ad Includes:

- Business card ad on website for 1 year (starts month payment and business card are received)
- Link to your website

COST: $300

Newsletter and Website Includes:

- Business card ad in newsletters through June 2013
- Business card ad on website for 1 year
- Link to your website

COST: $350