



the Champ

Monthly Newsletter of the CHAMPLAIN VALLEY CHAPTER OF ASHRAE

Serving Vermont Since 1969

PRESIDENT'S MESSAGE



I would like to thank all the ASHRAE and RSES members and their guests who attended November's refrigeration program and membership promotion night with our thanks to Steve Friedman, Region 1 Refrigeration Chair and Mark Cambria for two informative presentations. Steve gave us an overview of refrigerant systems and types incorporating a comparison of DX and alternative refrigerants from the perspective of ozone depletion and global warming potential. He finished with some pictures of a Price Chopper supermarket which is LEED gold accredited and was a recipient of the Milton Garland Refrigeration Award. Mark, the commissioning agent for the award winning Price Chopper supermarket followed with a more in depth presentation of the design strategies and systems utilized in the supermarket including a first of its kind CO2 refrigerant system helping the facility to achieve LEED Gold. He finished with a summary of lessons learned from this project.

I hope to see you all at our next meeting on December 7, 2011 beginning at 5:30 PM and will take place at the Hampton Inn in Colchester. In the spirit of the Holidays, December's program will be a joint social mixer with VGBN. We will have a single presentation by Chris Wilkins of Hallam-ICS. Chris will discuss emerging modeling tools for automated ways to perform the detailed data entry portion of the modeling process and some interesting output analysis tools.

All Engineers, Designers, energy modeling consultants and Architects, are advised to pay attention for a forthcoming announcement for an Energy Modeling in eQuest 2-day seminar on January 16 and 17, 2012 that will award 14 hours of PDH credits.

Regarding the website we are in the process of updating the site architecture, a new design theme and layout, modifying web pages and providing new back end enhancements. Please bear with us while the improvements are under construction.

A reminder to RSVP Ray Hickey to coordinate head counts with the Hampton Inn to make sure there is enough food for everyone.

Happy Holidays Everyone!

Sincerely,
Mike Cook
Chapter President

Join Us For Our Next Meeting

December 7, 2011

BOG Meeting 4:00 pm @ Hampton Inn

Social Mixer 5:30 PM – 6:30 PM

**Main Presentation @ 6:30 PM
Emerging Energy Modeling Tools.**

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2011-2012 ASHRAE CVC MEETING CALENDAR

Dec. 2011
Vol. 26 No. 4

September 7	October 5	November 2	December 7	January 4
<p><i>Location: Hampton Inn</i></p> <p>4:00 pm: BOG Meeting @ VHV Offices</p> <p>5:30pm: Tour FAHC Boiler Plant</p> <p>7:00pm: Dinner @ Hampton Inn</p> <p>8:00pm: Presentation David Golen FAHC Boiler Room Plant Upgrades</p>	<p><i>Location: Hampton Inn</i></p> <p>4:00pm: BOG Meeting @ Hampton Inn</p> <p>6:00pm: Tech Session BMS and Lighting Controls Randy Mead CTI, C.E.M., CMVP, LEED AP</p> <p>7:00pm: Dinner @ Hampton Inn</p> <p>8:00pm: Presentation Utilizing a BMS in the Building Commissioning Process / John R. Butterfield, P.E. Hallam Associates</p>	<p><i>Location: Hampton Inn</i></p> <p>4:00pm: BOG Meeting @ Hampton Inn</p> <p>Membership Promotion Night and Joint Meeting with RSES</p> <p>6:00pm: Tech Session Overview on all Refrigerants Steve Friedman, PE, HFPD, LEED AP BD+C - Region 1 Refrigeration Chair</p> <p>7:00pm: Dinner @ Hampton Inn</p> <p>8:00pm: Presentation Milton Garland Award Winning Project Overview Featuring a CO2 Refrigeration System / Mark Cambria, P.E., LEED AP BD+C, CCP</p>	<p><i>Location: Hampton Inn</i></p> <p>4:00pm: BOG Meeting @ Hampton Inn (Joint Meeting with VGBN)</p> <p>5:30 - 6:30pm: Social Mixer</p> <p>6:30pm: Presentation Emerging Energy Modeling Tools Joshua W. Talbert, P.E., LEED AP BD+C Christopher K. Wilkins, P.E. Hallam-ICS, Director of Engineering</p>	<p><i>Location: Hampton Inn</i></p> <p>4:00pm: BOG Meeting @ Hampton Inn (Joint Meeting with AIA on non-HVAC topic)</p> <p>6:00pm: Discussion on new Vt. Energy Code – Part 1</p> <p>7:00pm: Dinner @ Hampton Inn</p> <p>8:00pm: Discussion on new Vt. Energy Code – Part 2</p>
January 16 & 17				
<p>Full day Seminar with Efficiency Vt/VGBN/ BED</p> <p>Energy Modeling in eQuest</p> <p>RP Fundraiser</p>				
February 8	March 2	April 6	May 4	June 1
<p><i>Location: Hampton Inn</i></p> <p>4:00pm: BOG Meeting @ Hampton Inn</p> <p>Combined with Efficiency Vt. Expo</p> <p>ASHRAE non-profit table at Efficiency Vt. Expo</p> <p>7:00pm: Dinner @ Hampton Inn</p> <p>Proposed presentation of National Life Building</p>	<p><i>Location: Hampton Inn</i></p> <p>TBD: BOG Meeting</p> <p>6:00pm: Tech Session DL Daniel Nall ASHRAE Building Energy Quotient (bEQ)</p> <p>7:00pm: Dinner @ Hampton Inn</p> <p>Presentation DL Daniel Nall</p> <p>50% Small and Medium Office AEDG</p>	<p><i>Location: TBD</i></p> <p>TBD: BOG Meeting</p> <p>VTC ASHRAE Club as Host</p> <p>Program TBD</p>	<p><i>Location: TBD</i></p> <p>TBD: BOG Meeting</p> <p>Membership Promotion Night</p> <p>Facility Tour – Proposed Magic Hat Digester</p> <p>Dinner – TBD</p>	<p><i>Location: TBD</i></p> <p>TBD: BOG Meeting</p> <p>Possible Green Technology Expo/product Demonstration?</p> <p>Details still in the planning phase</p> <p>Annual year end BBQ</p>



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Visit www.RJMurray.com for product info, what's new and employment opportunities.

TECHNOLOGY TRANSFER

Thank you to everyone that came out for our November Refrigeration meeting. We had two great speakers and presentations on “**Direct Expansion Refrigeration**” and “**A Case Study of an ASHRAE Award Winning Supermarket**”. A big thank you to both our speakers; Steven Friedman, P.E. from AKF (Steve is also the ASHRAE Region 1 Refrigeration Chair) and Mark Cambria, P.E., from M/E Engineering P.C.

December's meeting will be a bit on the light a joyous side – after all, it is Holiday Month. ASHRAE CVC has invited the VGBN (Vermont Green Building Network) membership to join us for a fun time of networking, some great food, some surprises, and of course, an informative technical presentation on building modeling by Christopher K. Wilkins P.E., and Joshua W. Talbert P.E., LEED-AP BD+C from Hallam ICS. This session will be a great lead-in to the upcoming eQuest training session in January. Come and join us for a time of enjoyment, cheer, and a little bit of learning.



Region 1 Refrigeration Chair, Steve Friedman discusses DX and natural refrigerants

Chris and Joshua's presentation will be on "Emerging Energy Modeling Tools" and highlights OpenStudio and EnergyPlus Interfacing, Photo Capture Process, OpenStudio Results Viewer, and Revit / BIM Energy Modeling.

Presenters Biographies

Joshua W. Talbert P.E., LEED-AP BD+C Mechanical Engineer

Joshua has been with Hallam-ICS since 2004 as a Mechanical Engineer and Energy Modeler. His modeling work includes LEED certified projects in Maine, New Hampshire and Vermont. In addition to modeling for LEED requirements, Joshua has provided modeling support to many Hallam projects including ice storage evaluation, geo-thermal heat pump application, and combined heat and power systems. Joshua is currently working closely with the DOE to inform advanced energy efficiency measure upgrades through modeling, where existing buildings are rigorously modeled and calibrated to within 5% of annual utility consumption, before EEMS are evaluated.

Christopher K. Wilkins, P.E. Hallam-ICS Director of Engineering

Chris has been with Hallam-ICS since 1994 and is a VP and Director of Engineering. He has been active in ASHRAE as Chairman of TC 4.1 Load Calculations and Procedures and Chairman of ASHRAE BIM Steering Committee. He has lead the development of advanced modeling and 3D BIM capabilities at Hallam-ICS. Hallam-ICS is currently working on a national contract with DOE to provide advanced energy modeling and is developing next generation BIM techniques through a research and development contract with the Corps of Engineers.

Code Updates

The Vermont Department of Public Service is holding a final workshop on Dec. 14th on the Vermont RBES and CBES Energy Code to present the code compliance plan. Any questions or to RSVP if you plan to attend to the final



ASHRAE members- focused listeners due to empty bottles

workshop please contact:

Chris Kramer, Energy Futures Group
ckramer@energyfuturesgroup.com or
call 802-482-5001 x4

eQUEST and ASHRAE 90.1 Energy Modeling Workshop

Champlain Valley Chapter of ASHRAE in conjunction with VGBN is pleased to announce our upcoming workshop on eQUEST and ASHRAE 90.1 Energy Modeling, to be held on Monday January 16th, 2011 and Tuesday January 17th, 2011. Energy modeling is becoming increasingly important and skilled modelers are in demand; these models are a path to LEED points and can also be used to demonstrate compliance with the Vermont Commercial Energy Code. Watch our website for registration information. This workshop is sponsored by Efficiency Vermont and the Burlington Electric Department.

From the DOE Website...

eQUEST the Quick Energy Simulation Tool *Something for everyone...*

Imagine a building energy simulation tool comprehensive enough to be useful to ALL design team members, yet so intuitive ANY design team member could use it, in

ANY or ALL design phases, including schematic design. eQUEST is well named because it provides something the you've been looking for, but have been unable to find ... a sophisticated, yet easy-to-use building energy analysis tool. With eQUEST, you'll be able to provide professional-level results in an affordable level of effort.

Evaluate today's building technologies ... at the speed of today's design process...

eQUEST was designed to allow you to perform detailed analysis of today's state-of-the-art building design technologies using today's most sophisticated building energy use simulation techniques but without requiring extensive experience in the "art" of building performance modeling.

eQUEST = enhanced DOE-2 + Wizards + Graphics

This is accomplished by combining a building creation wizard, an energy efficiency measure (EEM) wizard, and graphical reporting with a simulation "engine" derived from the latest version of DOE-2. Reliable detailed simulation has never been easier!

Hope to see everyone at the December Social Mixer!

Tom Dacres
Tom Dacres

TREASURE'S REPORT

As of today, November 16, 2011, all bills are paid and our TD Bank checking account balance is \$11,682 - down from last month by \$2,298. The reason for the drop is partly due to Region 1 annual assessment of \$848 being paid - and the fact that I screwed up and forgot to pay The Hampton last month before the treasurer's report was written! The Hampton bill for our monthly meetings is typically around a thousand and so this checking account balance has two such payments included - while last month's had none. One thing is certain - Hurricane Irene had nothing to do with it :)

Ken Secor, Treasurer
Ken Secor, Treasurer

STUDENT ACTIVITIES

VTC Chapter

Committee Chair: Shawn LaBelle
Student Chapter Advisor: Chris Reilly
Student Chapter President: Erin Fajans

I want to take the time to thank the six (6) VTC students who attended November's meeting.

We will be fortunate enough to have a few VTC students attending the 2012 ASHRAE Winter Conference in Chicago, IL this coming year. The students who will be attending the conference are the following:

Erin Fajans
Stephen Piro
Brian Smith
Travis McJuary
James Blakely
Victoria Cousino

The students are looking for a few tour ideas for this year's student chapter. If you know of any tours that would be of interest please contact Chris Reilly or myself.

Thanks!
Shawn LaBelle

LEADERSHIP QUOTE of the MONTH

"Leaders are the ones who keep faith with the past, keep step with the present, and keep the promise to posterity"

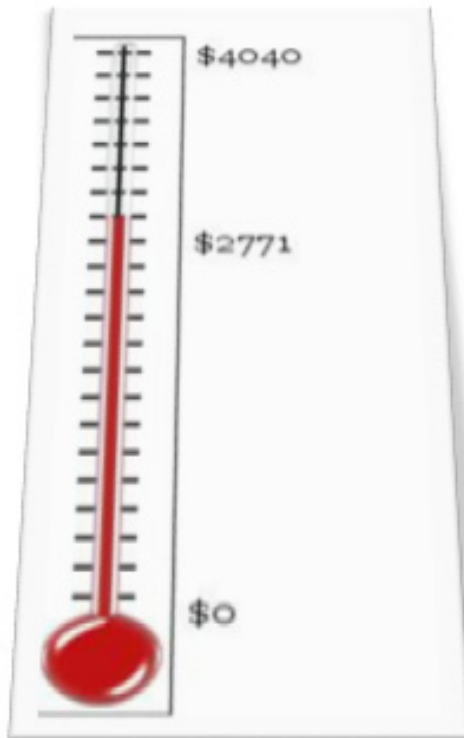
Harold J. Seymour

RESEARCH PROMOTION

I am happy to announce that we reached our Full Circle goal and will receive our PAOE points. This is accomplished when a minimum of \$100 is donated by all chapter officers. Thank you to everyone who contributed!

I still have one open vender table for December's meeting and am looking to fill the tables at the other meetings that we have coming up. Please feel free to contact me for details on how to sign up and what the rules are.

Thank you
Rob Ward
Rob Ward
RP Chair



2011-2012 Progress!!!

MEMBERSHIP PROMOTION

I would like to thank everyone who came out for our first membership promotion night this month. It was a success, and I hope that everyone enjoyed themselves as much as I did. Special thanks goes out to all of the RSES members that joined us. I hope to plan an equally successful membership promotion night for the spring... more to come on that in later newsletters.

I would like to remind anyone who has not renewed their membership to please do so. We have 8 members now who are overdue, and over the next few weeks the membership committee will continue to send out friendly reminders. When possible it is preferred that the online renewal is used. If you have any questions at all please contact me.

If you are interested in sitting on the membership committee please contact me at nathanm@vhv.com

Reminder: It is important to let Ray Hickey (rhipkey@advancedcomfortsys.com) know 3-4 days before the monthly meeting that you are planning on attending. Thank you.

Nathan Mascolino
Nathan Mascolino



Nathan presenting dinner certificate to Trevor



DEPARTMENT OF PUBLIC SERVICE

New Date

Vermont Energy Code Compliance Workshop

Wednesday December 14

Pavilion Building – Auditorium
109 State Street
Montpelier, Vermont

9:00 – 12:00

The Vermont Department of Public Service seeks your input on the draft **Vermont Energy Code Compliance Plan**. This workshop follows two previous stakeholder group meetings in Montpelier and Rutland in October that provided initial input to this Plan. Plan topics include:

- Outreach & Education
- Residential and Commercial Energy Code Compliance Verification
- Enforcement of the Energy Code
- Tracking & Reporting
- Funding

The draft **Vermont Energy Code Compliance Plan** will be posted at http://publicservice.vermont.gov/energy/ee_energy%20code%20compliance%20plan.html by December 9 for review prior to the workshop.

Please RSVP if you plan to attend the workshop:
Chris Kramer, Energy Futures Group
ckramer@energyfuturesgroup.com or call 802-482-5001 x4



BOG MEETING MINUTES

November 2, 2011 BOG Meeting Minutes

Date: 11/02/2011
Location: Hampton Inn, Colchester VT
Time Called to Order: 4:07pm
Called to Order By: Peter Bailey
Minutes Recorded By: Robert J. Favali, Secretary

ATTENDANTS

Mike Cook	ARC Mechanical
Ken Secor	KPS Consulting
Tom Dacres	VHV
Nathan Mascolino	VHV
Rob Ward	VHV
Rachael Mascolino	Efficiency Vermont
Robert J. Favali	DuBois & King, Inc
Peter Bailey	Dodge Engineering Inc

LAST MEETING MINUTES

A motion was made by Nathan Mascolino to approve the October 2011 meeting minutes. It was seconded by Tom Dacres and the motion was carried.

OFFICER REPORTS

A.) President: Michael R. Cook

Mike led a discussion regarding how the Chapter should address “no shows” for the monthly dinners. Our head count agreement with the hotel permits a \square 10% variance in attendance. Mike distributed sample “no show” policies from other chapters. Discussion followed with a general agreement to create a no show policy for the Chapter.

A motion was made by Rob Favali to have the Chapter include the following “no show” statement in its newsletters and meeting announcements: “The Champlain Valley Chapter of ASHRAE is a non-profit organization. Consequently attendee cancellations will be charged for the dinner due to our obligations to the restaurant.” The motion was seconded by Peter Bailey and it was carried.

Mike discussed the need for Nominating Committee volunteers. Five (5) names are required to be presented at the December meeting for acceptance by the membership. The current volunteer names are: Tom Zoller and Peter Bailey with three vacant positions. Mike also noted that open positions for next year are Secretary, Vice President, and Committee Chairs.

Mike then led a general discussion on the Membership roster. Rachael Mascolino volunteered to coordinate membership list with Mike’s Society roster.

Mike discussed the status of the new Chapter Website. The old address is still in use and needs to be replaced with the new address (www.ashraevt.org). Pete Bailey volunteered to contact Cara Gorman and get the “old” website replaced with the proposed “new” website as soon as possible.

Mike noted that regarding the death of past President Lynn G. Bellenger, there is a Society level memorial for her and that Region I has an ad hoc committee set up for another Region I memorial with more information to follow.

Finally, Mike noted that the ASHRAE Region I website has links to other chapter websites where the newsletters of other chapters are available.

B.) President Elect- Tom Dacres – CTTC Chair

Tom discussed updates to our meeting topics for the upcoming months.

December – E-Quest Training has been postponed until January. This will be a separate training meeting. Our December meeting will be a joint meeting with VGBN (Hampton Inn) and include a presentation by Hallam/ICS.

January – This will be presentation on the new CBES standard and will also possibly be a joint meeting with AIA-Vermont.

February – Tentative tour at National Life building. ASHRAE Chapter to have a booth at the Efficiency Vermont Conference. Volunteers are requested.

March – No change (DL meeting)

April – VTC Meeting; Shawn to confirm re: presentation topic

May – No change

June – Possible Vendor picnic

C.) Vice President – Nathan Mascolino - Membership Chair

Nathan noted that the November meeting is a Membership Promotion Night. He also discussed that our current membership status is (3) new and (9) delinquent members with a total of 127 members.

D.) Treasurer – Ken Secor

Ken noted that our Tax forms and report have been submitted to the IRS and DRC.

E.) Chapter Secretary – Rob Favali

Nothing new to report

F.) History – Gretchen Langfeldt

Nothing new to report

G.) Refrigeration – Peter Bailey

Peter noted that he is in contact with Hill-Phoenix regarding a future training seminar.

H.) Student Activities – Shawn LaBelle

Shawn was unable to attend the meeting but he provided an update to Mike Cook. Shawn noted that VTC has elected its Chapter officers. The college will have (5) Students and (1) faculty member are attending ASHRAE's Winter Conference in Chicago. Lastly, the April meeting at VTC's campus is scheduled but the topic is still open.

I.) Research Promotion – Rob Ward

Rob noted that the BOG donations to the Full Circle Award remain short by (2) people. These donations are due by November 15, 2011. He also noted that the point goal for our PAOE has reached 30%. Finally, our November meeting had two tables sponsored by vendors. The vendors at the meeting were Buderus Boilers and Freeair Refrigeration.

MEETING ADJOURNED

A motion to adjourn the meeting was made by Nathan Mascolino and seconded by Ken Secor. It was carried and the meeting adjourned at 5:32 PM.

These minutes are the writers understanding of the discussions involved. If there are any exceptions taken, or omissions, please notify the writer immediately.



ASHRAE members – slightly amused about the presentation

GENERAL MEETING MINUTES

November 2, 2011

Date: 11/02/2011
 Location: Hampton Inn, Colchester VT
 Minutes Recorded By: Robert J. Favali, Secretary

ATTENDANTS (46)

- | | |
|-------------------|---------------------------------------|
| Ben Basiliere | Vermont Heating & Ventilating Student |
| Brian Smith | Basix Automation Integrators |
| Brice Kosnik | Guy DeFeo Company |
| Carmine DeFeo | Efficiency Vermont |
| Cody Lezak | Vermont Mechanical Inc. |
| Corey Griffiths | Control Technologies |
| Dan Duncan | Buderus Hydronics |
| Don Grosso | CTI |
| Doug Christenson | Maddox Energy Consulting |
| Doug Maddox | Student |
| Erin Fajans | Advanced Comfort Systems |
| Harris Unger | Student |
| James Blakely | Thermal Environmental Sales |
| Jason Hudspath | ARC Mechanical |
| Jason Joseph | Tcorp Inc |
| Jere Berger | Vermont Mechanical |
| Jim LaVallee | Thermal Environmental Sales |
| Joe Kazukenus | Johnson Controls |
| Joshua Chiappone | M/E Engineering |
| Mark Cambria | ARC Mechanical |
| Mike Cook | R. E. Michel |
| Mike Morse | Control Technologies, Inc |
| Mike Van Horn | Vermont Heating & Ventilating |
| Nathan Mascolino | Controls Technologies |
| Nick Rock | Dodge Engineering |
| Pete Bailey | Vermont Mechanical Inc. |
| Phil Bresnahan | Efficiency Vermont |
| Rachael Mascolino | Advanced Comfort Systems |
| Ray Hickey | Freeaire Refrigeration |
| Richard Travers | Dubois & King |
| Rob Favali | Vermont Heating & Ventilation |
| Rob Ward | Efficiency Vermont |
| Sandy LaFlamme | LN Consulting |
| Scott Alexander | Efficiency Vermont |
| Sheryl Graves | Student |
| Stephen Piro | Efficiency Vermont |
| Steve Booth | Region I Refrigeration Chair |
| Steve Friedman | Mylan Technologies |
| Steve Kreigh | VHV |
| Tim Valyou | F.W. Webb |
| Todd Hallock | Vermont Heating & Ventilating |
| Tom Dacres | |

Tom Zoller Trane
Travis McJuary
Trevor Gensch Daikin
Victoria Cousino

TECH SESSION

This month's technical session at the Hampton Inn was a presentation by Steve Friedman, PE on "Direct Expansion Refrigeration". This presentation covered basic D/X process with traditional and alternative refrigerants. The main part of the presentation was a highlight a Price Chopper supermarket that achieved LEED Gold certification.

GENERAL MEETING AND MAIN PRESENTATION

Our general meeting and main presentation was held at the Hampton Inn. This Membership Promotion Night was also our Refrigeration Night and a joint meeting with Refrigeration Service Engineers Society (RSES). Prior to the main presentation, the Membership Promotion Raffle of the dinner gift certificate was held. Rob Ward provided certificates of appreciation to recognize supporters of last year's Research Promotion campaign.

The main presentation was Engineering Challenges and Sustainable Solutions in Supermarkets: A Case Study of an ASHRAE Award Winning Supermarket" by Mark Cambria, PE with M/E Engineering, Schenectady, NY. This presentation covered the systems and design strategies of the Price Chopper supermarket that led not only to its LEED Gold certification but to becoming the recipient of the Milton W. Garland Refrigeration Award for Project Excellence as the first supermarket to utilize a CO2-based refrigeration system.

At the conclusion of the presentation, the 50/50 raffle was held..

These minutes are the writers understanding of the discussions involved. If there are any exceptions taken, or omissions, please notify the writer immediately.

RSES & ASHRAE JOINT MEETING

I want to thank everyone that attended last month's joint meeting. We had a lot going on as usual and another great showing of support. Steve Friedman sent some kind words after his visit that I would like to share with you.

This was from Steve:

Peter, I would like to thank you and your entire board of governors for inviting me to speak at your Refrigeration Night Chapter meeting. I have to say that your board is very diligent and the energy you convey to your members is top notch

The meeting was well attended with more than 50 people including those ASHRAE members, student members and the RSES group. I hope you and your board continue the passion of educating members and all invited groups grow as a chapter and increase your membership. Considering that you have 127 members, near 50 percent attendance is beyond respectable.

Thank you once again for allowing me to lecture, Vermont is a beautiful and scenic place and thank you for going out of your way to transport me to and from the airport.

Look forward to seeing you at the 2012 coming CRC in the great city of Boston.

Best Regards
Steve



"Important stuff- global warming potential, ozone depletion, natural refrigerants but I can't get this image of Steve from earlier today out of my mind!"



ASHRAE, AHR EXPO RETURN TO CHICAGO

For Release: Sept. 20, 2011
Contact: Amanda Dean, Public Relations
678-539-1216 | adean@ashrae.org

ATLANTA—Registration is open for ASHRAE’s 2012 Winter Conference in Chicago where attendees have the chance to discuss and examine the latest topics in the building industry, such as high performing buildings and integrated design, as well as participate in technical tours; attend ASHRAE Learning Institute courses; earn professional credits; and obtain ASHRAE certifications.

The 2012 Winter Conference takes place Jan. 21-25 at the Palmer House Hilton. The International Air-Conditioning, Heating, Refrigerating Expo®, held in conjunction with the Winter Conference, will run Jan. 23-25. The Expo, www.ahrexpo.com, is held at the McCormick Place.

In keeping with ASHRAE’s goal of continuing education the Conference offers over 200 Professional Development Hours, as well as Continuing Education Units, which can be applied toward a Professional Engineering license.

The technical program features more than 90 programs and 300 speakers addressing energy modeling applications; integrated design; healthcare, laboratories and data center applications, among others; operations and maintenance; high performance buildings; as well as refrigeration and systems and equipment sessions. Additionally, there is a new “mini-conference” on Installation, Operation & Maintenance of HVAC Systems built within the Technical Program. The O&M mini-conference is scheduled on Jan. 22-23. The full Technical Program, which will be announced later this month, offers the opportunity to earn a year’s worth of PDHs, NY PDHs, AIA LUs and LEED AP credits.

The Chicago Virtual Conference is included with a paid Conference registration—comp and single day registration excluded—and includes on-demand access to all speakers’ audio presentations synced to their presentations. Attendees and speakers can post comments on the presentations for a two-week period. Those not attending the Chicago Winter Conference in person may register for the Virtual Conference only. Register at www.ashrae.org/chicagovirtual.

Five Professional Development Seminars and 15 Short Courses are offered to help industry professionals stay current on HVAC technology, including how to apply the newest ASHRAE standards. The ASHRAE Learning Institute (ALI) is offering a new half-day short course on the basics of combined heating and power systems, as well as updates to the full-day professional development seminars focusing on Standards 62.1, Ventilation for Acceptable Indoor Air Quality, and 90.1, Energy Standard for Buildings Except Low-Rise Residential Buildings. ALI courses are approved for renewal of professional engineer and professional architect licenses, as well as for industry certification programs.

Additionally, ASHRAE offers a special administration of all six certification examinations on Jan. 25: Building Energy Assessment Professional (BEAP), Building Energy Modeling Professional (BEMP), Commissioning Process Management Professional (CPMP), High-Performance Building Design Professional (HBDP), Healthcare Facility Design Professional (HFDP) and Operations & Performance Management Professional (OPMP). ASHRAE’s certification program recognizes industry professionals who have mastered knowledge and skills reflecting best practices in certain aspects of building design and operations. More information on each certification can be found at www.ashrae.org/chicagoexams.

ASHRAE Conference technical tours give you a first-hand look at technology developed by members to further the industry. Tours include the North Central College Residential and Recreation Center, Loyola University Information Commons, the University of Chicago Mansueto Library and Rush University Medical Center Central Energy Plant.

The Winter Conference also includes a program designed for students of the Society. Highlights of the program, held on Sunday, Jan. 22, include speakers, a professional development session and presentations by the recipients of the Student Design Competition and a technical tour of the University of Chicago library.

To register and for complete Conference information, visit www.ashrae.org/chicago.

THE GRILLROOM CHOPHOUSE & WINEBAR



ASHRAE WINTER MEETING 2012
REGION I DINNER

Chicago is known for Steaks. Join the members of Region I for Dinner at a near by steakhouse for an evening of fun. Please RSVP by January 18th, 2012 to Heather Nowakowski via e-mail heather.nowakowski@roswellpark.org. Clips of the menu are below:

**SUNDAY JANUARY
22, 2012**

7:00 PM

**33 W MONROE ST,
CHICAGO, IL 60603
(BTWN S STATE &
DEARBORN ST)**

SEAFOOD

- HORSERADISH CRUSTED SALMON / White Wine Thyme Broth 22
- AMERICAN WHITEFISH / Lemon Caper Butter 19
- AHI TUNA / Roasted Eggplant / Red Wine Reduction 29
- LAUGHING BIRD SHRIMP / DeJoghne Style 26
- RAINBOW TROUT / King Crab Crust / Srirachi Butter 25

THEATRE FAVORITES

- LEMON-ROSEMARY CHICKEN / Vesuvio Potatoes 19
- HERB-PARMESAN CRUSTED VEAL CHOP / Arugula Salad 39
- BABY BACK RIBS / 5 Spice Ginger BBQ Sauce HALF 15 FULL 22
- APPLE BACON WRAPPED MEATLOAF / Shitake Demi 18
- BUCANTINI FRESCA / Cherry Tomatoes / Fresh Basil / Mozzarella 16
- BEEF STROGANOFF / Filet Tips / Pappardelle / Veal Redux 21
- FARM FRESH VEGETABLE PLATE / Chef's Creation 18

SIDES AND VEGETABLES

- WOOD SMOKED MUSHROOM & ONIONS / Veal Demi Butter 8
- STEAMED OR GRILLED ASPARAGUS / Lemon Butter 9
- BROCCOLINI-SPINACH DUO / Olive Oil / Roasted Garlic 8
- FRESH SHUCKED CREAMED CORN 9
- CRISPY YUKON GOLDS / Parmesan Herbs 8
- MICHIGAN WILD RICE / Sun Dried Cranberries 7
- RED FLANNEL HASH / Caramelized Onions / Apple Bacon 9
- BUTTERY YUKON MASHED POTATOES 8
- GIANT BAKED POTATO / Sweet Onion Butter 8

Dinner is within walking distance of the Palmer House. The bill will be one check per table, please bring cash to cover the semi-annual "dutch treat" dinner.

Reserve your spot TODAY...

Contact: Heather L. Nowakowski

E-mail: heather.nowakowski@roswellpark.org

MEAT AND CHOPS

- SINGLE CUT FILET 8OZ 29
- DOUBLE CUT FILET 12OZ 39
- BONE IN FILET MEDALLIONS 36
- NY STRIP 14OZ 41
- RIB EYE (TOMAHAWK BONE IN) 26OZ 49
- PORTERHOUSE 22OZ 54
- CENTER CUT SIRLOIN 8OZ 27
- BUTCHER BLOCK PORK CHOP 24
- AUSTRALIAN LAMB T-BONES 31

ADDITIONS

- OSCAR STYLE 15
- SURF N TURF ANY STEAK WITH 6OZ. LOBSTER TAIL 24
- GRILLED JUMBO SHRIMP SKEWER 12
- FRIED EGG 3
- WOOD SMOKED MUSHROOMS 4

SAUCES

- Béarnaise
- Roquefort
- Peppercorn
- Horseradish Cream
- Chimichurri
- Red Wine Demi
- 5 Spice BBQ
- ADD 2 EACH

STEAK TEMPS

RARE	Red Cool Center
MEDIUM RARE	Red Warm Center
MEDIUM	Pink Hot Center
MEDIUM WELL	Hot Slightly Pink Center
WELL DONE	Cooked Throughtout



ENGINEER & YOUNG ENGINEER OF THE YEAR NOMINATIONS

Reminder for Engineer of the Year and Young Engineer of the Year Nominations

Each year a Vermont engineering society and Vermont engineering college is eligible to nominate one candidate for State of Vermont Engineer of the Year and one candidate for Young Engineer of the Year. So in preparation of Engineers week in January I would like to ask our membership for nominations for prospective candidates to submit to the 2012 selection committee in early January. If anyone knows of a prospective candidate whose professional accomplishments should be recognized please contact me for further information on the process and requirements for candidates in early December.

Mike Cook

ASHRAE PROVIDES GUIDANCE ON THE “HOW-TO’S” OF ENERGY AUDITS

For Release: November 14, 2011
 Contact: Amanda Dean, Public Relations
 678-539-1216 | adean@ashrae.org

ATLANTA-Seeking to promote best practices and offer a “how-to” approach, ASHRAE has released updated guidance on building energy audits.

While energy audits are a commonly used component of the industry, there is great diversity in the services delivered to customers, and little industry standardization. The second edition of “Procedures for Commercial Building Energy Audits” promotes best practices, provides “how-to’s” and fills a void in available information for engineers, building owners, managers and government entities. The new publication includes time-saving tips for energy auditors, how to hire an auditor, what to ask for in a comprehensive audit report and how to build a successful energy efficiency retrofit team.

“As we work to reduce energy consumption in our commercial buildings, we want to ensure that recommendations are cost effective, technically feasible, maintain safety and comfort and result in significant energy savings” Jim Kelsey, a member of Technical Committee 7.6, Building Energy Performance, and who oversaw the writing of the updated

publication, said. “This volume focuses on how to improve energy audit best practices. Providing the best audits that we can will help move the industry forward to net zero buildings.”

Additionally, the publication addresses how to build a successful team, analytical methods, successful approaches to site visits, incorporating on-site measurements, economic evaluation of measures and how to organize an energy audit report that promotes action on the part of building owners and managers. It includes many tips for conducting energy audits and reviewing results prepared by others. For example, the top things to check for in when reviewing an audit report include verifying that:

- proposed measures are feasible and appropriate for the building;
- proposed measures meet applicable building codes;
- data are internally consistent;
- savings estimate methods follow established principles and methods;
- estimates of potential energy savings are reasonable compared to quick estimates and historical energy use;
- proposed cost estimates are reasonable relative to field experience;
- interactions between EEMs are identified and addressed;
- recommendations and report meet the project scope, goals and client’s needs;
- any financial discussion includes current and viable mechanisms available per the tax structure, location, and motivations of the client.

Another benefit of the new publication is a greatly expanded section of forms and template analyses, including “live” Excel spreadsheets, checklists and equipment-specific forms suitable for field collection of detailed commercial building data, to name just a few.

“Procedures for Commercial Building Energy Audits, Second Edition” is available in the ASHRAE bookstore, www.ashrae.org/bookstore, for \$99 (\$84, ASHRAE members). Or, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, to order.

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.

2011 CRC AWARDS

Here are the (12) awards the Champlain Valley Chapter received at the 2011-2012 CRC in New York City on August 18-20, 2011.

- ▶ Champlain Valley Full Circle
- ▶ Champlain Valley PAOE – Honor Roll, Special Citation – Shawn LaBelle President and Star
- ▶ Champlain Valley Sustainability Activities PAOE – Shawn LaBelle President
- ▶ Champlain Valley Runner Up Research Promotion (% of goal)
- ▶ 2008-2009 History – Amy K. Patenaude
- ▶ 2009-2010 History – Gretchen Langfeldt
- ▶ Certificate of Achievement, Recognition for Exceeding Goal – Sandra LaFlamme
- ▶ 2010-2011 ASHRAE Region 1 Outstanding Performance Research Promotion Honorable Mention – Sandra LaFlamme
- ▶ 2011 Chapter Service Award – Thomas W. Zoller 2010-2011 ASHRAE Region 1
- ▶ Black Ink Award “The Champ” – Natasha Yaryna and Cara Gorman
- ▶ 2010-2011 ASHRAE Region 1 Best Student Design Competition, HVAC Design – Shawn LaBelle and VTC Student Chapter
- ▶ 2010-2011 ASHRAE Region 1 Outstanding Performance Chapter Programs Honorable Mention – Michael R. Cook

Congratulations to the efforts of the entire 2010 – 2011 Champlain Valley Chapter team including Of-

2011-2012 PRESIDENTIAL NEWSLETTER

2011 -2012 Presidential Award of Excellence (PAOE)

2011-2012 PRESIDENTIAL NEWSLETTER

DATE: May 16, 2011 (revised July 7, 2011)

TO: Chapter Presidents
ASHRAE Membership Promotion Committee,
ASHRAE Student Activities Committee, ASHRAE
Research Promotion Committee, ASHRAE Chapter
Technology Transfer Committee, Young Engineers in
ASHRAE Committee, Regional Historians, Assistant
Regional Chairs, Board of Directors

FROM: Ronald E. Jarnagin

SUBJECT: PRESIDENTIAL AWARD OF
EXCELLENCE (PAOE)

ASHRAE chapters are the backbone of this Society

and play a central role in helping the Society achieve its goals. Through our collective efforts, ASHRAE chapters are a vital force in the HVAC&R community and a resource for the global community.

My Presidential theme, “Sustaining ASHRAE Through Leadership,” highlights the role ASHRAE members play as leaders in sustainable design and practices.

This marks the sixth consecutive year that the Presidential theme has focused on sustainability. This focus should be so ingrained in our lives that our mission “to serve humanity and promote a sustainable world” inspires our daily decisions.

Several new activities have been added to support the presidential theme and they focus on Leadership, Training, Marketing, Young Engineers in ASHRAE (YEA), Building Energy Quotient (bEQ) and Refrigeration.

Mission Statement

ASHRAE will advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related human factors to serve the evolving needs of the public and ASHRAE members.

Vision Statement

ASHRAE

- ~ Will be the global leader in the arts and sciences of heading, ventilation, air conditioning & refrigeration.
- ~ Will be the foremost, authoritative, timely and responsive source of technical and educational information, standards and guidelines.
- ~ Will be the primary provider of opportunity for professional growth, recognizing and adapting to changing demographics, and embracing diversity.

Presidential Award of Excellence Totals

Presidential Award of Excellence (PAOE) is the point system ASHRAE Region and Society use to help track the Chapter's activities. The chapter gets points in the below categories for activities that we do throughout the year. The awards banner that you see at the meetings represents CVC's accomplishments over the years. Below are definitions of what some of those awards are. If you want to know more about PAOE check out the www.ashrae.org website and do a search for the 2006-2007 PAOE newsletter.

End of Year Awards Available to the Chapter:

PAOE: Minimum in five of the six categories

Special Citation: Minimum in 5 of the 6 categories with a minimum total of 4600 points

STAR: PAR in all categories

Honor Roll: PAOE for at least 4 consecutive years

High Honor Roll: STAR for at least 4 consecutive years

Premier: PAOE every year since the chapter's inception or since 1970; minimum of 4 years; chapter's first year is excluded

Sustainability Activities Award: A Chapter Sustainability Award in the form of a certificate is available for each chapter that obtains a total of at least 200 points from the items listed under Sustainability

Activities in the Chapter Operations category of PAOE. The Chapter with the highest PAOE Sustainability point total will receive a Regional award in the form of a glass plaque and a certificate. Level 1 = less than 100 members; Level 2 = 100-249, Level 3 = 250-449, Level 4 = 500 or more.

Category	PAR	(2011-12)
Membership Promotion	800	0
Student Activities	500	0
Technology Transfer	850	0
Research & Promotion	1050	0
History	300	0
Chapter Operations	600	175
Chapter TOTAL	4100	175

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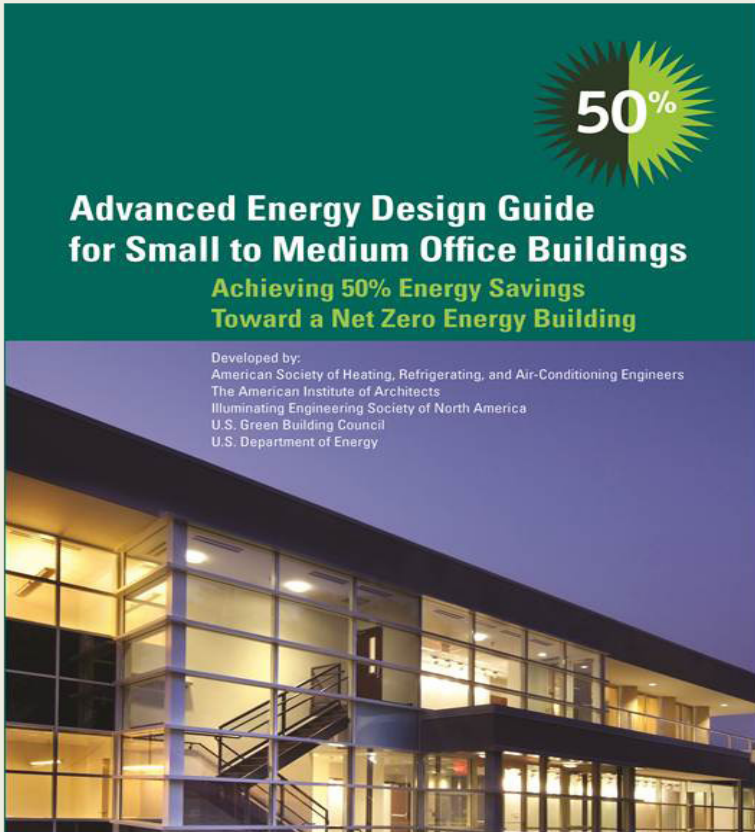
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Newsletter Editor/ Webmaster	Cara Gorman T: (802)777-9813 cara@ashraevt.org
2013 CRC	Tom Zoller T: (802) 864-3816 x2 TZoller@trane.com

Subscription to the newsletter and membership questions should be directed to Nathan Mascolino (802) 655-8805 or nathanm@vhv.com

Disclaimer Statement: Statements made in this publication are not expressions of the Society or of the Chapter and shall not be reproduced without special permission of the chapter.



Advanced Energy Design Guide for Small to Medium Office Buildings

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Toward a Net Zero Energy Building**

Developed by:
American Society of Heating, Refrigerating, and Air-Conditioning Engineers
The American Institute of Architects
Illuminating Engineering Society of North America
U.S. Green Building Council
U.S. Department of Energy

Advanced Energy Design Guide for Small to Medium Office Buildings: 50% Energy Savings

Advanced Energy Design Guide for Small to Medium Office Building is the first in a series designed to provide recommendations for achieving 50% energy savings over the minimum code requirements of ANSI/ASHRAE/IESNA Standard 90.1-2004. ANSI/ASHRAE/IESNA Standard 90.1-2004 provides the fixed reference point and serves as a consistent baseline and scale for all of the 50% Advanced Energy Design Guides.

I-P units; softcover; 8.5 x 11 in.; 234 pp; 2011;
ASHRAE
Price: \$82 (ASHRAE Member: \$69)
Product code: 90383
ISBN: 978-1-936504-05-3

Purchase at
www.ashrae.org/bookstore

ASHRAE Learning Institute 2011 Fall Online Course Series



2 WAYS TO REGISTER

Internet: www.ashrae.org/onlinecourses

Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)


Note: You may register up to 24 hours prior to an online seminar. Courses are in US Eastern Standard Time.

*** Complying with Standard 90.1-2010: Envelope/Lighting**
Mon, October 3, 2011 – 1:00 pm to 4:00 pm EST
Instructor: Joe Deringer

~ Healthcare Facilities: Best Practice Design
Mon, October 31, 2011 – 1:00 pm to 4:00 pm EST
Instructors: Robert Cox & Michael Sheerin

~ Healthcare Facilities: Best Practice Application
Wed, November 2, 2011 – 1:00 pm to 4:00 pm EST
Instructors: Robert Cox & Michael Sheerin

Evaluating the Performance of LEED-Certified Buildings
Mon, November 7, 2011 – 1:00 pm to 4:00 pm EST
Instructor: Mark Stetz

Project Management for Improved IAQ 
Wed, November 9, 2011 – 1:00 pm to 4:00 pm EST
Instructor: Hoy Bohanon

The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits. Archiving is available.

Data Center Energy Efficiency – Part 1
Mon, October 10, 2011 – 1:00 pm to 4:00 pm EST
Instructors: Don Beaty & Roger Schmidt

Data Center Energy Efficiency – Part 2
Wed, October 12, 2011 – 1:00 pm to 4:00 pm EST
Instructors: Don Beaty & Roger Schmidt

*** Using Standard 90.1 to Meet LEED Requirements – Part 1**
Mon, October 17, 2011 – 1:00 pm to 4:00 pm EST
Instructors: Mack Wallace & Joe Deringer

*** Using Standard 90.1 to Meet LEED Requirements – Part 2**
Wed, October 19, 2011 – 1:00 pm to 4:00 pm EST
Instructors: Mack Wallace & Joe Deringer

Implementing Standard 189.1 for High-Performance Green Buildings – Part 1
Mon, October 24, 2011 – 1:00 pm to 4:00 pm EST
Instructor: Tom Lawrence

Implementing Standard 189.1 for High-Performance Green Buildings – Part 2
Wed, October 26, 2011 – 1:00 pm to 4:00 pm EST
Instructor: Tom Lawrence

~ Take both Healthcare Facilities courses and save 20% on the price of these courses

Register at www.ashrae.org/onlinecourses
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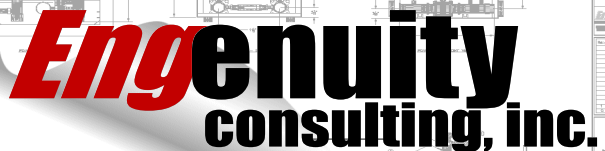


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