



# the Champ

## Monthly Newsletter of the CHAMPLAIN VALLEY CHAPTER OF ASHRAE

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### PRESIDENT'S MESSAGE



I would like to thank all the ASHRAE and VGBN members who attended December's social mixer. We thank Chris Wilkins and Joshua Talbert of Hallam-ICS for their interesting and useful presentation on emerging modeling tools. Chris gave us an overview of the modeling process and methods being developed to automate the

energy modeling process to be more efficient and economical. He discussed available output analysis tools. Joshua conducted an online demonstration utilizing OpenStudio, Google Earth and SketchUp and other available graphical interface software tools to build less time consuming building models for the energy simulation process.

I hope to see you all at our next meeting on January 4, 2012 beginning at 5:30 PM and taking place at the Hampton Inn in Colchester. Regretfully there will be a change in January's program originally planned as a discussion on the new Vermont Energy Code. In its place we are pleased to announce that Ken Secor will give a presentation on contract law and billing strategies. Our main presenter for the evening will be Susan Evans of Engineering Tax Services. Susan will give an educational seminar on the history of the IRS 179D Federal Energy Deduction Tax under the Federal Energy Policy Act discussing its benefits and related business development strategies being employed throughout the country.

All Engineers, Designers, energy modeling consultants and Architects, are advised to pay attention for a forth coming 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, the new Champlain Valley Chapter website [www.ashraevt.org](http://www.ashraevt.org) is operational however we are continuing to make modifications and adjustments. Please bear with us while the improvements are under construction. I would like to encourage members to use the electronic RSVP available on the website to sign up for our monthly meetings. A reminder to RSVP Ray Hickey (if not using the electronic

RSVP) to coordinate head counts with the Hampton Inn to make sure there is enough food for everyone. Wishing you all a Happy New Year!

Michael R. Cook  
Chapter President

### Join Us For Our Next Meeting

January 4, 2012

BOG Meeting 4:00 pm @ Hampton Inn

Technical Presentation @ 6:00 PM

*(Contract Law and T&M vs*

*Flat Rate Pricing & Billing Strategies)*

Dinner @ 7:00 PM

Main Presentation @ 8:00 PM

*(Section 179D Federal Energy Tax Deduction Seminar)*

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# 2011-2012 ASHRAE CVC MEETING CALENDAR

Jan. 2012  
 Vol. 26 No. 5

September 7	October 5	November 2	December 7	January 4
<p><i>Location: Hampton Inn</i></p> <p><b>4:00 pm:</b> BOG Meeting @ VHV Offices</p> <p><b>5:30pm:</b> Tour FAHC Boiler Plant</p> <p><b>7:00pm:</b> Dinner @ Hampton Inn</p> <p><b>8:00pm:</b> Presentation David Golen FAHC Boiler Room Plant Upgrades</p>	<p><i>Location: Hampton Inn</i></p> <p><b>4:00pm:</b> BOG Meeting @ Hampton Inn</p> <p><b>6:00pm:</b> Tech Session BMS and Lighting Controls Randy Mead CTI, C.E.M., CMVP, LEED AP</p> <p><b>7:00pm:</b> Dinner @ Hampton Inn</p> <p><b>8:00pm:</b> 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><b>4:00pm:</b> BOG Meeting @ Hampton Inn</p> <p>Membership Promotion Night and Joint Meeting with RSES</p> <p><b>6:00pm:</b> Tech Session Overview on all Refrigerants Steve Friedman, PE, HFPD, LEED AP BD+C - Region 1 Refrigeration Chair</p> <p><b>7:00pm:</b> Dinner @ Hampton Inn</p> <p><b>8:00pm:</b> 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><b>4:00pm:</b> BOG Meeting @ Hampton Inn (Joint Meeting with VGBN)</p> <p><b>5:30 - 6:30pm:</b> Social Mixer</p> <p><b>6:30pm:</b> 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><b>4:00pm:</b> BOG Meeting @ Hampton Inn (Joint Meeting with AIA on non-HVAC topic)</p> <p><b>6:00pm:</b> Contract Law &amp; T&amp;M vs Flat Rate Pricing and Billing Strategies</p> <p><b>7:00pm:</b> Dinner @ Hampton Inn</p> <p><b>8:00pm:</b> Section 179D Federal Energy Tax Deduction Seminar</p>
				<p><b>January 16 &amp; 17</b></p> <p><b>Full day Seminar with Efficiency Vt/VGBN/ BED</b></p> <p><b>Energy Modeling in eQuest</b></p> <p><b>RP Fundraiser</b></p>
February 1	March 2	April 6	May 4	June 1
<p><i>Location: Hampton Inn</i></p> <p><b>4:00pm:</b> BOG Meeting @ Hampton Inn</p> <p>ASHRAE non-profit table at Efficiency Vt. Expo</p> <p><b>7:00pm:</b> Dinner @ Hampton Inn</p> <p>Proposed presentation of National Life Building</p>	<p><i>Location: Hampton Inn</i></p> <p><b>TBD:</b> BOG Meeting</p> <p><b>6:00pm:</b> Tech Session DL Daniel Nall ASHRAE Building Energy Quotient (bEQ)</p> <p><b>7:00pm:</b> 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><b>TBD:</b> BOG Meeting</p> <p>VTC ASHRAE Club as Host</p> <p>Program TBD</p>	<p><i>Location: TBD</i></p> <p><b>TBD:</b> 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><b>TBD:</b> 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>



turn to the experts™



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### TECHNOLOGY TRANSFER

Wow! Just like that it's 20-12. I hope this report finds everyone safe and enjoying a wonderful holiday season. It doesn't feel too much like winter these days, mild temperatures and lack of snow will do that I guess. I hope mother nature makes up for it with another stealer winter & spring snow fall like last year (I'm doing my snow dance now).

Thank you to everyone that came out for our December Holiday Mixer event! That was fun if I do say so myself. ASHRAE CVC and VGBN (Vermont Green Building Network) had another successful joint meeting of networking, great food, and an extremely informative technical presentation on Emerging Energy Modeling Tools. A big thank you to both Chris Wilkins and Josh Talbert of Hallam ICS for putting on the one and only presentation. From reading the evaluation forms it seems like everyone enjoyed the topic and meeting format.

January's meeting as taken a sharp turn, our originally scheduled event on the new Vermont Energy Code has been

cancelled. Not to worry, we hope to re-schedule this talk for a future meeting. We have been very fortunate to fill January's meeting with two excellent topics and speakers. January's new theme is non-technical

**First Presentation** - "Contract Law" & "T&M vs. Flat Rate pricing and billing strategies"

By Ken Secor

The hour will be divided into two related segments.

1. Contract law and how to write an enforceable agreement/contract and,
2. Time & Material (T&M) vs. "Flat Rate" pricing and billing strategies.

This informative presentation will cover:

- Getting paid for work performed.
- Legal issues like the parole evidence rule (what is on paper will override what is said).
- How to write the perfect proposal - which will be a work order - which will become a contract - easily and in simple terms.

- Small claims courts vs. when to hire a lawyer.
- Service call billing using “Flat Rate” pricing versus T&M.
- Wholesale discounts - how and why.

### Presenter Biography

Ken Secor is self employed - semi-retired Heating consultant and writer. He is also the retired owner of Palmer Heating, LLC - Rahway, NJ.

During his 12 year tenure at NCR, designing and installing business operating systems, he attended college nights for eight years majoring in business and law. In 1976 Palmer (his middle name) was started with a niche service market of G.E. boilers in a Levittown/Rahway, NJ neighborhood - and has grown from a part time venture to a million dollar a year wet heat only, heating, design-build and service contractor.

Since retiring as CEO of Palmer Heating, Mr. Secor remains active in ASHRAE CVC, does legal and design-build consulting and free lance writer of technical wet heat issues, small business operations, and business ethics.

His wife Mary, of 47 years, three sons and six grandchildren are the love of his life. He retired to a newly built mountain top home in northern Vermont that won the ASHRAE Region 1 and State energy efficiency standards highest award.

### Main Presentation - “Section 179D Federal Energy Tax Deduction Seminar”

By Susan Evans, LEED AP- Engineered Tax Services

Understanding the Federal Energy Policy Act and Benefits under IRS 179D.

This is a credit based educational seminar on the history of the 179D tax benefits and related business development strategies being employed throughout the country. The presentation is designed to give clarity and awareness to the engineering process involved in certification of public and private buildings as well as to also heighten awareness of these tax benefits on a national scale. During this presentation, you will be able to understand how the 179D Federal Energy Tax Deductions will allow your clients to

claim significant benefits through the use of this tax law.

### Professional Education Credit:

This instructor-led program will offer 1.0 continuing professional education credit (CPE) from the AICPA and 1.0 USGBC LEED AP CE. Additional learning credits from other regulatory agencies may also be available.

### Presentation Outline

1. Section 179D Federal Energy Tax Deductions – 5 minutes
  - a. Opportunities for Your Clients
2. Engineered Tax Services – 5 minutes
  - a. History & Background
  - b. Instructor Biography
3. Rule Change – 10 minutes
  - a. Background and History
  - b. New Regulations
4. Qualifying Buildings – 5 minutes
5. Benefit to the Client – 10 minutes
6. Benefit to the CPA Firm – 5 minutes
7. The IRS required Processes – 10 minutes
  - a. Modeling Calculation Skill Sets
  - b. Site Visit Requirements
  - c. IRS Filing Requirements
8. Case Studies – 5 minutes
9. Other Energy Tax Opportunities – 2 minutes
  - a. State
  - b. Local
  - c. Utility
10. Q&A

### Presenter Biography

Susan Evans, LEED AP | Engineered Tax Services

Susan is the Managing Director for New England and helps commercial building owners and designers of public buildings take advantage of 179D, the Energy Tax Deduction.

### [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.

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. This workshop is sponsored by Efficiency Vermont and the Burlington Electric Department.

**When:**

Monday January 16, 2011 & Tuesday January 17, 2011

**Where:**

Office of Efficiency VT; 128 lakeside Avenue Suite 400, Burlington, VT 05401

**Who:**

Architects, Engineers and all who have an interest in energy modeling for buildings.

**Description:** To earn points for LEED NC Energy and Atmosphere Credit 1, buildings must be modeled in approved software, following ASHRAE 90.1 Appendix G guidelines. This hands-on training focuses on applying Appendix G modeling protocol to a small office building using eQUEST software.

**Day 1:**

Introduction to Appendix G and an overview of the key features of eQUEST, participants will work on a case study. We will start by importing CAD drawings into a simulation file and then cover the various input and reporting requirements of Appendix G as applied to this building relying on eQUEST's Wizard Mode as a convenient method of data entry. Methods to convert available project data into eQUEST friendly inputs will also be demonstrated.

**Day 2:**

The Second day will start with an introduction to eQUEST's Detailed Mode. We will then fine tune the model developed in Day 1 using the detailed interface and take advantage of the Parametric Runs functionality to complete the Appendix G baseline and proposed models. Additional topics will include model quality assurance and troubleshooting, strategies to increase modeling productivity and documenting results following LEED requirements.

**More Information:**

See <http://www.karpmanconsulting.net/training.html> for more info and testimonials. And the DOE Site: <http://doe2.com/equest/>

**Prerequisites:**

Basic computer literacy; Familiarity with ASHRAE 90.1 Appendix; Experience with energy simulation recommended though not required.

**Credit:**

For Continuing Education (CE) credits, attendees can earn: 14 GBCI CE hours towards the LEED Credential Maintenance Program; HSW/SD. 14 PDHs through RCEP/NCEES 14 AIA/CES Learning Units

**Requirements:**

1. Bring a laptop computer that has eQUEST installed. eQUEST is free and can be downloaded here.
2. For the hands-on exercises, it will helpful for you to have the paper or electronic copy of ASHRAE 90.1 2007.

**Cost:**

\$525 (Non-Members) / \$425 (VGBN & ASHRAE CVC Members). Breakfast & Lunch Included.

**Registration:**

Please email [Vermontgbn@gmail.com](mailto:Vermontgbn@gmail.com) with your contact information to pre-register.

To complete your registration send check made payable to

VGBN to: VGBN  
PO Box 5384  
Burlington, VT 05402

*(all registrations by mail must be postmarked by January 6, 2012.)*

Or Pay Online Here:

<http://www.vgbn.org/page.php?pid=94&pname=Energy%20Modeling%20in%20eQUEST>

Hope to see everyone at the January Meeting!

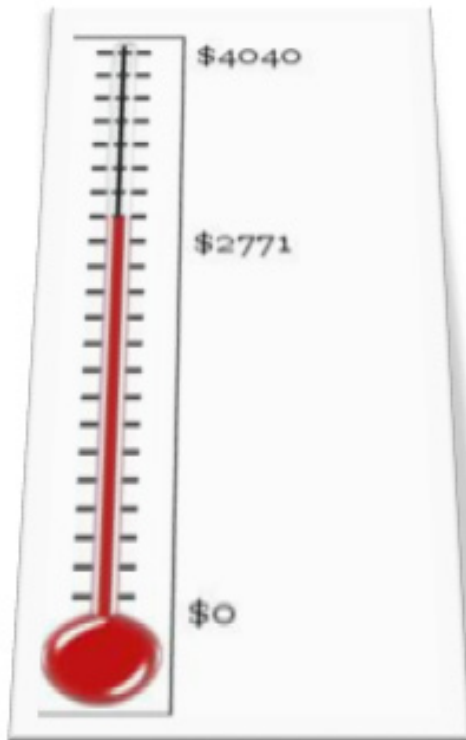
Tom Dacres

## 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  
RP Chair



2011-2012 Progress!!!

## MEMBERSHIP PROMOTION

Hello and happy holidays to all. I hope the next month finds everyone with reason to celebrate and be happy. For all those out there who enjoy winter snow sports here is wishing for the weather to finally turn.

My membership promotion New Year's resolution is (among other things) to achieve a zero membership delinquency and in order to do that the membership committee and I have our work cut out for us. We are up to it. With that being said, I would like to remind anyone who has not renewed their membership to please do so. We have 9 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.

I encourage everyone to log on to the new ASHRAE CVC web page (<http://www.ashraevt.org/>) to check it out. It's a work in progress, and is looking really good.

As always I will sign off with... If you are interested in sitting on the membership committee please contact me at [nathanm@vhv.com](mailto:nathanm@vhv.com)

Nathan Mascolino

### LEADERSHIP QUOTE(S) of the MONTH

**"When you're finished changing you're finished"**

**~ Benjamin Franklin**

## TREASURE'S REPORT

As of today, December 16, 2011, all bills are paid and our TD Bank checking account balance is \$10, 233 - down from last month by \$1,459. The reason for the drop is two-fold. One, we subsidized the December CVC-ASHRAE meeting meal cost by reducing the break-even price of \$30-35 - down to \$20. Two, because this time of year, annual membership dues renewals continues to drop from summer peak.

The first step in transferring the treasurer's duties to Peter Bailey went well. The QuickBooks system we use for chapter accounting was successfully been transfered to Pete's laptop yesterday and we will run parallel data entry and financial checks and balances until my retirement on June 30th, 2012 - when our fiscal year ends.

Merry Christmas and Happy New Year to all !

Ken Secor, Treasurer

## BOG MEETING MINUTES

### November 2, 2011 BOG Meeting Minutes

Date: 12/07/2011  
 Location: Hampton Inn, Colchester VT  
 Time Called to Order: 4:03pm  
 Called to Order By: Mike Cook  
 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
Dick Wilcox	VHV
Rachael Mascolino	Efficiency Vermont
Robert J. Favali	DuBois & King, Inc
Peter Bailey	Dodge Engineering Inc
Joshua Chiappone	Johnson Controls Inc
Cara Gorman	

### LAST MEETING MINUTES

A motion to approve the November 2011 meeting minutes

as corrected was made by Dick Wilcox. It was seconded by Pete Bailey and was carried.

### OFFICER REPORTS

President Michael R. Cook led a discussion on the Nominating Committee. The five volunteers for the Nominating Committee are: Tom Zoller, Pete Bailey, Jim Lavallee, Jay Pilliod, and Joshua Chiappone. Joshua Chiappone has volunteered for the Chair's position.

This Committee will be announced at the December monthly meeting with the explanation that the floor is open for additional nominations. Mike then explained that the Committee will be installed at the January meeting and that the Committee is required to submit its list of names to the Secretary prior to the February meeting. This was for information only and no action was required.

Mike then discussed the idea to revise the Chapter's By-Lays in order to require the President-Elect to chair the Nominating Committee. A motion made by Ken Secor to amend the By-Laws to require the President-Elect to chair the Nominating Committee. This motion was seconded by Peter Bailey.

Prior to the vote, this Motion was discussed including a review of the duties of the President Elect including chairing the CTC. Discussion also surrounded the language or requiring or recommending but not requiring the President-Elect to volunteer for the position. A vote followed the discussion. The Motion was not carried.

Rob Favali then made a motion table the discussion until the January meeting in order to give the BOG more time to consider the revision. The motion was seconded by Dick Wilcox and it was carried.

Mike then noted that Cara Gorman was present in order to provide an opportunity for the BOG to review and comment on the Chapter's new website ([www.ashraevt.org](http://www.ashraevt.org)). A very good and significant discussion ensued including a real-time viewing the website on the overhead screen.

During the discussion, a web page ad hoc committee was formed that includes Rachael Mascolino, Dick Wilcox, and Pete Bailey. The committee will work with Cara to further develop and refine the website's content, organization, and presentation.

Due to the time spent on reviewing the website topic, the remaining monthly BOG meeting topics were not discussed. A follow-up meeting was scheduled for Friday, December 16, 2011 at Trader's Dukes.

**A.) President Elect- Tom Dacres – CTTC Chair**  
Nothing new to report

**B.) Vice President – Nathan Mascolino - Membership Chair**  
Nothing new to report

**C.) Treasurer – Ken Secor**  
Nothing new to report

**D.) Chapter Secretary – Rob Favali**  
Nothing new to report

**E.) History – Gretchen Langfeldt**  
Nothing new to report

**F.) Refrigeration – Peter Bailey**  
Nothing new to report

**G.) Student Activities – Shawn LaBelle**  
Nothing new to report

**H.) Research Promotion – Rob Ward**  
Nothing new to report



**MEETING ADJOURNED**

A motion to adjourn the meeting was made by Nathan Mascolino. It was seconded by Tom Dacres and was carried. The meeting adjourned @ 5:35 PM

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





# GENERAL MEETING MINUTES

December 7, 2011

Date: 12/07/2011  
 Location: Hampton Inn, Colchester VT  
 Minutes Recorded By: Robert J. Favali, Secretary

## ATTENDANTS (50)

Ray Hickey	Advanced Comfort Systems
Harris Unger	Advanced Comfort Systems
Mike Cook	ARC Mechanical
Brice Kosnik	Basix Automation Integrators
Randy Mead	Control Technologies
Charles Veronneau	Control Technologies
Len Pattison	Controls Technologies
Nick Rock	Controls Technologies
Chris Vintinner	Controls Technology
Cara Gorman	CVC Newsletter Editor
Tom Anderson	Cx Associates LLC
Pete Bailey	Dodge Engineering
Rob Favali	Dubois & King
Mike Spasyk	Dubois & King
Rachael Mascolino	Efficiency Vermont
Todd Hallock	F.W. Webb
Dan Reilly	Gourley Company
Joshua Talbert	Hallam-ICS
Chris Wilkins	Hallam-ICS
Seth Vellin	IBM Central Utilities
Joshua Chiappone	Johnson Controls
Bob Gatchell	Johnson Controls
Ken Secor	KPS Consulting
Robert Trahan	Mechanical Innovations
Clark Sweeney	Sweeney Refrigeration & HVAC Service
Jere Berger	Tcorp Inc
Bill Moore	Tcorp Inc.
Joe Kazukenus	Thermal Environmental Sales
Brian Cavert	Thermal Environmental Sales
Pete Gagon	Thomas Engineering & Associates
Glenn Thomas	Thomas Engineering & Associates
Scott Harrington	Vermont Gas
Ray Keller	Vermont Gas
Tom Dacres	Vermont Heating & Ventilating
Nathan Mascolino	Vermont Heating & Ventilating
Dick Wilcox	Vermont Heating & Ventilating
Martha Soule	Vermont Heating & Ventilation
Rob Ward	Vermont Heating & Ventilation
Shawn LaBelle	Vermont Mechanical
Jim Lavallee	Vermont Mechanical
Phil Bresnahan	Vermont Mechanical Inc.
Corey Griffiths	Vermont Mechanical Inc.

Jesse Robbins VGBN  
 Hillary Hunter VGBN  
 Elizabeth Wilkins VGBN  
 Glenn Erb  
 Todd Daniels

## TECH SESSION

This month's meeting format was revised in light of the holidays. The typical format of Tech session, dinner, and main presentation was revised to allow the membership to immediately mingle and eat during the early part of the meeting.

## GENERAL MEETING AND MAIN PRESENTATION

Our general meeting and main presentation was held at the Hampton Inn. This was a joint meeting with the Vermont Green Building Network (VGBN).

Prior to the Main Presentation, Mike Cook made a few announcements. He discussed the formation of the Nominating Committee and listed the nominees for the Committee: Tom Zoller, Pete Bailey, Jim Lavallee, Jay Pilliod, and Joshua Chiappone. He also noted that Joshua Chiappone has volunteered for the Chair's position. Mike asked the membership for additional nominations during the meeting but none were received.

Mike also reminded the membership of the Chapter's new website and that our monthly meeting reservations can now be made on-line. He also reminded that a joint ASHRAE-VT and VGBN E-QUEST training session is scheduled for January 16-17, 2012.

The main presentation was "Emerging Advanced Tools for Energy Modeling" by Chris Wilkins, PE and Joshua Talbert both of Hallam/ICS. This presentation covered the history and value of performing energy modeling and a comparison of manual verses computer-based energy modeling efforts. After Chris' review of these items, Joshua gave a multi-media presentation demonstrating an energy model procedure. He demonstrated the use of "OpenStudio" as a tool for doing energy models that integrates "Google Sketch Up" and "Energy-Plus" software packages.

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

## REFRIGERATION

*EPA Approves Three Alternative Refrigerants to Replace Hydrofluorocarbons in Commercial and Household Freezers/First time that hydrocarbon substitutes will be widely used in the U.S.*

**Release Date:** 12/14/2011

**Contact Information:** Cathy Milbourn milbourn.cathy@epa.gov 202-564-7849 202-564-4355

WASHINGTON – The U.S. Environmental Protection Agency (EPA) has added three hydrocarbons as acceptable alternatives in household and small commercial refrigerators and freezers through EPA’s Significant New Alternatives Policy (SNAP) program. EPA took action after requests from Ben and Jerry’s and General Electric, as well as A.S. Trust & Holdings, and True Manufacturing, a family-owned small business. These businesses are helping to clear the way for U.S. companies to use ozone layer-protective hydrocarbon refrigerants.

“Today’s action is a great example of how businesses and EPA can work together to protect our planet and drive innovation,” said Gina McCarthy, assistant administrator for EPA’s Office of Air and Radiation. “This action increases the options for effective, climate-friendly refrigerants in the U.S.”

Under the Clean Air Act, the SNAP program evaluates substitute chemicals and technologies for ozone-depleting substances (ODS). The three hydrocarbon refrigerants approved as acceptable substitutes, with use conditions, are propane, isobutane, and a chemical known as R-441A. These newly-approved refrigerants can be used to replace ozone-depleting chlorofluorocarbon (CFC)-12 and hydrochlorofluorocarbon (HCFC)-22 in household refrigerators, freezers, combination refrigerator-freezers, and commercial stand-alone units. SNAP is unique and globally recognized as the only program designed specifically to evaluate substitutes for ODS and to focus on the industrial sectors that use them.

Replacing older refrigerants will reduce greenhouse gas emissions by an estimated 600,000 metric tons by 2020, equal to the emissions from the annual electricity use of nearly 75,000 homes, and will help protect people’s health and the environment.

At the recent 23rd Meeting of the Montreal Protocol Parties, EPA and the U.S. Department of State announced that 108 countries signed a declaration to address hydrofluorocarbons (HFCs). While HFCs are ODS substitutes, they are increasingly contributing to climate change. The approval of hydrocarbons in the U.S. is significant because hydrocarbons are more environmentally-friendly substitutes than HFCs.

Learn more about EPA’s globally-recognized SNAP Program and the three substitutes at: [www.epa.gov/ozone/snap/](http://www.epa.gov/ozone/snap/)

### LEADERSHIP QUOTE(S) of the MONTH

**“Energy and persistence conquer all things”**

**~ Benjamin Franklin**

## 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 January.

Mike Cook

## ASHRAE, AHR EXPO RETURN TO CHICAGO

**For Release:** Sept. 20, 2011  
**Contact:** Amanda Dean, Public Relations  
678-539-1216 | [adean@ashrae.org](mailto: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](http://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/chicago](http://www.ashrae.org/chicago).

[www.ashrae.org/chicago](http://www.ashrae.org/chicago).

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](http://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](http://www.ashrae.org/chicago).

# THE GRILLROOM CHOPHOUSE & WINEBAR



ASHRAE WINTER MEETING 2012  
REGION I DINNER

**SUNDAY JANUARY  
22, 2012  
7:00 PM**

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

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](mailto:heather.nowakowski@roswellpark.org). Clips of the menu are below:

## 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 FULL	15 22
APPLE BACON WRAPPED MEATLOAF / Shitake Demi	18
BUCANTINI FRESCA / Cherry Tomatoes / Fresh Basil / Mozzarella	16
BEEF STROGANOFF / Filet Tips / Parpadelle / 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](mailto: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 Throughout



## Region 1 Dinner Notice

Please note that the RSVP deadline is January 18, 2012. Even though ASHRAE is not collecting money or deposits ASHRAE Region 1 needs a head count to make sure there is enough room for all attendees. The protocol for the dinner is that each individual will order from the menu and pay the restaurant directly. At the request of the restaurant there will be one tab per table. So be prepared with cash to pay your share, unless you are OK with paying for the entire table on a credit card and collecting money from those at your table.

## 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](http://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	450
Research & Promotion	1050	0
History	300	0
Chapter Operations	600	175
<b>Chapter TOTAL</b>	<b>4100</b>	<b>625</b>

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<b>Vice President</b>	Nathan Mascolino T:(802)655-8805 x.148 nathanm@vhv.com
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<b>Administrator</b>	Mike Cook T:(802) 291-0911 mcook@arcmech.com

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<b>Newsletter Editor/ Webmaster</b>	Cara Gorman T: (802)777-9813 cara@ashraevt.org
<b>2013 CRC</b>	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**

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