



the Champ

Monthly Newsletter of the CHAMPLAIN VALLEY CHAPTER OF ASHRAE

Serving Vermont Since 1969

President's Message



September's tour of the FAHC boiler room and the follow-up presentation of the on-going boiler and control upgrades were well received. There was a lot of good discussion during the tour and the presentation.

Prior to the evening main discussion Shawn LaBelle our outgoing president conducted the swearing in of myself as incoming president and installed the other 2011-2012 officers and board members. We look forward to another successful year for our chapter. Please view our chapter website regularly to keep abreast of upcoming meeting topics and ASHRAE news.

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.

Spencer Morasch, the current Director and Regional Chair for Region 1 of ASHRAE will be attending our October meeting. The Regional Chair is a Director of Society who also serves as a Regional Chair and directs the regional operations for the region. This includes detailing objectives and giving assistance to the Regional Vice Chairs of Student Activities, Chapter Technology Transfer, Membership Promotion and Research Promotion to the existing chapters in the region and to potential new chapters being formed. The DRC also represents the interests of the region in all matters of Society importance. This will be Spencer's first visit to the chapter and will be giving us a short presentation of what is happening at ASHRAE. So let's give Spencer a warm and appreciative Vermont welcome.

I hope to see you all at our next meeting on October 5, 2011 beginning at 5:30 PM and will take place at

the Hampton Inn in Colchester. I remind all attendees to RSVP Ray Hickey to coordinate head counts with the Hampton to make sure there is enough food for everyone.

Sincerely,
Mike Cook
Chapter President

Join Us For Our Next Meeting

4:00pm – BOG Meeting @ Hampton Inn

6:00pm – Tech Session

BMS and Lighting Controls

Randy Mead CTI, C.E.M., CMVP, LEED AP

7:00pm – Dinner @ Hampton Inn

8:00pm – Presentation

Utilizing a BMS in the Commissioning Process

John R. Butterfield P.E. – Hallam Associates

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2011-2012 ASHRAE CVC MEETING CALENDAR

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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>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: TBD</i></p> <p>TBD: BOG Meeting</p> <p>Proposed Full Day Seminar with Efficiency Vt/VGBN</p> <p>Seminar on Energy Modeling</p>	<p><i>Location: Hampton Inn</i></p> <p>TBD: BOG Meeting</p> <p>6:00pm: Joint Meeting with AIA on non-HVAC topic</p>
February 8	March 2	April 6	May 4	June 1
<p><i>Location: TBD</i></p> <p>TBD: BOG Meeting</p> <p>Combined with Efficiency Vt. Expo</p> <p>Proposed DL speaker on 90.1 or other topic</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>



turn to the experts™



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Robert Howe of the Vt. Department of Public Safety Retires

Bob Howe was the chief Fire Prevention Officer for the Vermont Department of Public Safety, Division of Fire Safety. He was very involved with the development and enforcement of the numerous codes adopted by the department and its related training and educational programs. Many of us have had the pleasure of working through code issues with Bob as he was the go to guy to resolve issues relating to fire and life safety.

The Champlain Valley Chapter of ASHRAE wish Bob a happy and healthy retirement. Click here to view a copy of the State of Vermont, House of Resolutions Concurrent House Resolution honoring Bob for his 41 years of public service on behalf of the State of Vermont.

**State of Vermont
House of Representatives**



**Montpelier, Vermont
Concurrent House Resolution
H.C.R. 171**

House concurrent resolution honoring Robert Howe for his 41 years of dedicated public service on behalf of the state of Vermont

Offered by: Committee on General, Housing and Military Affairs

Whereas, Robert (Bob) Howe began his public service career in the transportation field where he spent seven years, and

Whereas, for the past 34 years, 29 at the department of labor, and more recently with the division of fire safety within the department of public safety, Bob Howe has developed an expertise in the myriad codes related to fire and building safety, and

Whereas, he began at the department of labor as a field inspector and rose through the ranks to become deputy director of the division of fire safety, the number two fire safety position in Vermont, and

Whereas, as a developer and implementer of fire safety codes, Bob Howe has been required to work closely with other state offices and a variety of interest groups, and

Whereas, these interactions can involve matters of importance and sensitivity, and Bob Howe has repeatedly exhibited an enormous degree of diplomacy and tact in addressing conflicting viewpoints and harmonizing fire safety and related codes with other state regulatory provisions, and

Whereas, a special project, which Bob Howe started 20 years ago, is the annual third grade fire safety calendar drawing contest in which Vermont's third graders are invited to submit drawings with fire safety messages for inclusion in the calendar; 20,000 of which are distributed through the schools, and

Whereas, the winners each have their work incorporated into one month's calendar page and are invited to Montpelier for an award ceremony that includes having their picture taken with the governor, and

Whereas, Bob Howe was also honored at the most recent fire safety calendar ceremony, and despite his best efforts to avoid the limelight, he was deservedly recognized for this outstanding accomplishment, and

Whereas, he is recognized among his regional fire safety colleagues as a foremost expert and is frequently asked to speak in other states on topics of interest to those jurisdictions, and

Whereas, in his personal life, Bob Howe volunteers at his church, helping to provide meals for those in need, and has coached girls' basketball, and

Whereas, Vermont's buildings are far safer places as a result of his decades of exemplary public service, and after 41 years of state employment, Bob Howe is retiring this spring, now therefore be it

Resolved by the Senate and House of Representatives:

That the General Assembly honors Robert Howe for his 41 years of dedicated public service on behalf of the state of Vermont, and be it further

Resolved: That the Secretary of State be directed to send a copy of this resolution to Robert Howe.

Technology Transfer

Thank you to everyone that came out for our September tour and presentation of the Fletcher Allen Medical Center boiler plant. A special thanks to **Jim Goldsmith** and the FAHC boiler technicians for hosting us on a wonderful and educational tour. And big thanks to **David Golen from Adirondack Combustion Technologies** for putting together the tour and putting on a great presentation. Based on the evaluation forms from the attendees, both the tour and the presentation were very well received.

The October meeting is shaping up to be a great one. The theme of the evening will be Building Management Systems; specifically lighting control strategies and utilizing a BMS in the building Commissioning process.

Technical Session

“Networked Lighting Controls”

Randy Mead, Control Technologies

Technical Presentation Overview

Randy Mead from Control Technologies will present on various lighting control technologies, a live demonstration via remote connection of an installed networked system, and case study results.

Bio

Randy Mead, C.E.M, CMVP, LEED AP has 25 years experience in the building controls and automation industry with Control Technologies, Inc. Randy is a lifetime member of the AEE, is an ASHRAE member, a member of the BCA, and is a member of the Vermont Technical College Architectural Building & Engineering Technology Advisory Board.

Main Presentation

“Using a Building Management System in the Commissioning Process”

John Butterfield, Vice President & Commissioning Manager Hallam-ICS

Presentation Overview

The purpose of building commissioning is to verify that the systems operate as they are intended to, and that the building ultimately performs to criteria defined in the Owner’s Project Requirements (OPR).

In order to achieve these objectives, the commissioning team utilizes a number of different verification techniques and tools. One of the most powerful tools available is the Building Management System (BMS). However, as powerful as it is, the BMS has its limitations, and must be supplemented with other commissioning tools and testing methods.

In this presentation, John will talk about his experience in commissioning a wide variety of buildings, and in utilizing the BMS in the commissioning process. John will present several case studies regarding how the BMS was used in the commissioning process; as well as what other tools and methodologies were required in order to successfully commission the facility.

Bio

John Butterfield, PE, LEED-AP, CxAP is Vice President and Commissioning Manager at Hallam-ICS. John participates in building commissioning through Hallam’s four regional offices; serving the New England and Mid Atlantic Regions.

Prior to joining Hallam-ICS, John spent 16 years as a Facilities Engineer and Manager for three large companies. During his 24+ years at Hallam, John has been involved in engineering, design and commissioning activities for a wide variety of clients. John holds degrees in electrical and mechanical engineering and business management. He is a graduate of the University of Wisconsin’s Commissioning Program.

Code Updates

Vermont Building Safety Code

Are you aware that the Vermont Fire and Building Safety Code has been amended/updated and became effective June 1, 2011 of this year??? The change is subtle, but everyone should be aware of these changes.

Here is the excerpt from the State of Vermont Department of Public Health, Division of Fire Safety's Fire Safety News (July 2011 Newsletter) that summarizes the changes.

Boiler – *Section 3 of the Vermont Fire & Building Safety Code has been update with an effective date of June 1, 2011.*

Inspectors who are commissioned to conduct boiler and pressure vessel inspections in Vermont no longer are required to be an employee of an insurance company, but are now required to carry liability insurance. Smaller boilers (maximum size, 250,000 BTU, water jacket capacity 60 gallons, relief valve setting 30 PSIG) are permitted to be used when meeting the standards published by the European Committee for Standardization. Also proposed are additional exemptions for the requirements for Inspection by a commissioned inspector for boilers located within an individual dwelling unit or a boiler with a maximum size of 200,000 BTU. These boilers would still need to be inspected every two years by a person who is certified for fuel oil, gas or other fuels.

The updated Code can be found on-line at:
www.vtfiresafety.org

Vermont Commercial Building Energy Standard

As you may recall, last fall Tim Guiterman from Navigant Consulting, Inc. made a presentation to our CV Chapter related to the potential updates

that were being considered to the Vermont Commercial Building Energy Standard. At that time he was working on receipt of comments from the industry related to the proposed 2011 Vermont Commercial Building Energy Standards (CBES) draft that he had.

Since that time, the code has been slowly moving along within the Department of Public Service (DPS). The DPS has a final meeting with the Legislative Committee on Administrative Rules (LCAR) in the next few days to review a few technicalities. Once this is accomplished they will be submitting the final rule early in October with a proposed effective date of the updated CBES anticipated for January 3, 2012.



Our Chapter Technology Transfer Committee will be tracking the Standard and will keep our members updated as it works its way through the various governmental channels.

Hope to see everyone at the October meeting!

Tom Dacres
Tom Dacres

History Report

I'm pleased to be back again for another year as Chapter Historian. If anyone has suggestions for a topic for this year's Gold Ribbon Submission please feel free to let me know. I'd love to hear from you if you know any notable companies or individuals that might be interesting to learn more about. Thanks for the help and I'll see you in Serptember!

Gretchen Langfeldt
Gretchen Langfeldt

RESEARCH PROMOTION

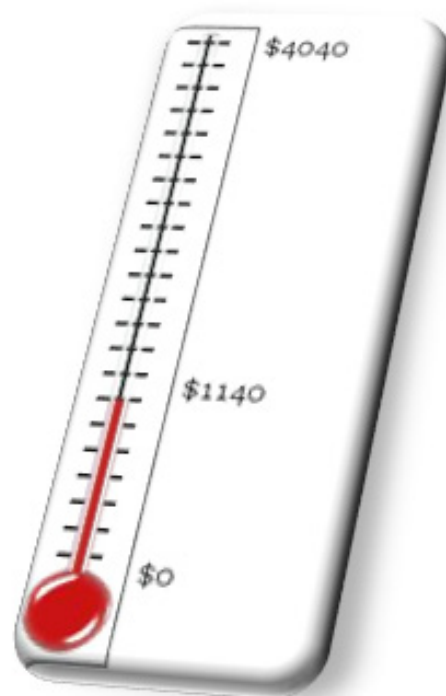
I would like to start by listing and thanking all of those who donated to ASHRAE Research and Resource Promotion (RP). Due to the generosity of these companies and individuals we were able to exceed our goal for last year. Sandy Laflamme did a great job and has left some big shoes for me to fill this year. I am currently looking for volunteers to help with future calling campaigns and fundraising events so if you are interested or know someone that may be please send them my way. Our fundraising goal for this year is \$4,040. I hope continue our chapter's trend of exceeding the goals set by our Regional Chair. Thanks again to all of those who donated their time and money last year and I look forward to working with you all to make this 2011-12 campaign a successful one for RP. Below is the list of those who donated to the 2010-11 campaign. These people will be receiving Donor Recognition Awards at one of our upcoming meetings (TBD).

Pat Albarelli
M Scott Alexander
Peter F Bailey
Michael W Bronder
Michael R Cook
Emily L Cross
Thomas F Dacres, Jr
John L Evarts
Brian J Fray
Trevor C Gensch
Graham C Hunter, II, AIA
Shawn R LaBelle
Sandra L Laflamme
Gretchen Langfeldt
Nathan D Mascolino
Gary Mitchell
James A Moore
Len Pattison
Gordon W (Bill) Root, Jr, PE
Ken Secor
Michael A Spasyk, PE
Wayne J Vanasse
Richard J Wilcox

Thomas W Zoller, PE
ARC Mechanical Contractors Inc
Bonhag Associates PLLC
CX Associates
General Electric Foundation - Matching Gifts Fund
Hallam/ICS
Kelliher Samets Volk
The VLPA
Vermont Heating & Ventilating Company

*If your name is missing, it may be that your donation is marked for the 2011-12 RP Campaign. Please contact me at robw@vhv.com if you don't find your name listed and it should be.

Thank you
Rob Ward
Rob Ward
RP Chair



2011-12 Progress !!

Membership Promotion

We have the first 2011-2012 ASHRAE season meeting in the books, and it was nothing but successful. The September FAHC boiler room tour was well organized, interesting, and well attended. 42 members and guests took the tour, and participated in the discussion afterward at the Hampton. An encouraging, and exciting start to the ASHRAE year. The average attendance of meetings last year was 39. The membership promotion team has set a goal for this year to grow the chapter, and increase our average attendance. I encourage everyone to keep an eye out in the next newsletter for some exciting announcements. In November we are having a joint meeting with RSES, and it is going to be our first membership promotion night. We have some interesting plans on tap.

I would like to remind anyone who has not renewed their membership to please do so. We have a handful of members now who are overdue, and in the next few weeks the membership committee will 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. We are still looking for volunteers to sit on the membership committee. If you are interested let me know.

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

Nathan Mascolino
Nathan Mascolino

Treasurer's Report

As of today, September 26, 2011, all bills are paid and our TD Bank checking account balance is \$13,682 - up from last month by \$600, despite substantial expenses for our Region I - CRC in New York City participation.

At the last Board meeting we reported the annual golf outing was a financial success.

The search for a replacement treasurer looks promising. Having announced this will be my last year as treasurer, Peter Bailey, being already appointed as the "finance minister" for our CRC-2013 hosting endeavor, is not opposed to serving in both capacities as the "event treasurer" - as well as my position as day-to-day chapter treasurer. Obviously, the post would require confirmation via election next spring. However, since no one else has offered, in the coming months, Pete and I will go over how our accountant setup QuickBooks, the keeping of the books on a regular basis, as well as how he might setup new accounts to track and disburse funds for the CRC-2013 event he already is appointed to.

Pete's a good man and I will enjoy working with him between now and June 2012. If anyone else has any interest in being the fiscal 2012 - 2013 treasurer, please let the nominating committee know ASAP. It's not a tough gig, but knowledge of QuickBooks, basic bookkeeping and the unique nature of non-profits is a huge plus.

Ken Secor, Treasurer
Ken Secor, Treasurer

"LEADERSHIP QUOTE of the MONTH"

"Individual commitment to a group effort – that is what makes a team work, a company work, a society work, a civilization work."

~ Vince Lombardi

BOG Meeting Minutes

September 7, 2011 BOG Meeting Minutes

Date: 09/07/2011
Location: Offices of Vermont Heating & Ventilating
Time Called to Order: 4:07pm
Called to Order By: Mike Cook, President
Minutes Recorded By: Robert J. Favali, Secretary

ATTENDANTS

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

LAST MEETING MINUTES

A correction was noted that required revision of "February 2011" to read "June 2011" under approval of last meeting minutes.

A motion to amend July 2011 meeting minutes as discussed was made by Shawn LaBelle, seconded by Peter Bailey and was carried.

A motion to approve the July 2011 meeting minutes as amended was made by Peter Bailey and seconded by Tom Dacres. It was carried.

OFFICER REPORTS

President: Michael R. Cook

Mike discussed that the final costs associated with the 2011 CRC exceeded our previously approved budget. A discussion followed to amend our July motion on cost and transportation reimbursement amount based on the following actual expenses:

- a.) Registration \$1,400.00
- b.) Hotel: \$1,162.13
- c.) Parking: \$282.00
- d.) Total: \$2,844.13

A motion to amend July reimbursement value to \$2,844.13 was made by Nathan Mascolino and seconded by Dick Wilcox. It was carried.

Mike noted that Rob Ward has volunteered for Research Promotion Chair. We discussed the need to cover his motel (1 night) and meals to attend RP centralized training on September 9-10, 2011 in Chicago. A motion to pay expenses not to exceed \$500.00 was made by Dick Wilcox and seconded by Tom Dacres. It was carried.

We discussed the need to cover Nathan Mascolino's Membership Promotion Chair Training motel (1 night) and meals to attend centralized training. A motion to pay expenses not to exceed \$500.00 was made by Pete Bailey and seconded by Ken Secor. It was carried.

Mike requested that all officers to provide updated pictures for website and to have all October newsletter write-ups to him by September 20, 2011. We also noted that the Full Circle requests by due by November 1, 2011; All Chapter Officers and Chairs are requested to donate \$100.00 for RP

Mike then discussed the YEA Leadership Weekend that is scheduled for September 30 – October 2, 2011 in Atlanta, GA. Region 1 scholarships are available as of September 1, 2011 and applications are open as of September 7, 2011

Mike discussed the need to purchase additional certificates for 2011 CRC awards for the following individuals or companies:

- (1) "Black Ink Award" to recognize the past 6 months of work provided by Cara Gorman on the Chapter's Newsletter
- (2) "Region 1 Best HVAC Design Award" for presentation to VTC
- (3) Recognition of service to Hallam for the support they provided over the past 5 years for the website service and management

A motion to not to exceed \$150.00 to purchase additional plaques was made by Ken Secor and seconded by Tom Dacres. It was carried.

Shawn LaBelle provided a summary and follow-up on JCI billing issue. The checks were inadvertently going to the Connecticut chapter. Ken Secor will confirm their account status and report at October meeting.

Shawn LaBelle and Pete Bailey discussed a proposal to update our Chapter's website. A proposal was provided by Cara Gorman which effectively reduces the Chapter's expenses for a website while improving

General Meeting Minutes

September 7, 2011

it look and serviceability to the Chapter membership at large. A motion to accept the plan for the new website and services as presented was made by Ken Secor and seconded by Dick Wilcox. It was carried.

President Elect- Tom Dacres – CTTC Chair
Tom confirmed that the October 5th meeting will be at the Hampton Inn

Vice President – Nathan Mascolino - Membership Chair
Nathan indicated that the following two meetings have been selected as membership promotion nights:
November 2011- RSES Joint meeting
May 2012 at Magic Hat Brewery

Treasurer – Ken Secor
Ken provided a report on the results of the ASHRAE golf outing. His report indicated that the gross revenues were \$8,437.50 and the expenses were \$4,932.67. This netted the Chapter with a profit of \$3,504.83 from the outing.

We also discussed the need to address the handling and auditing of our cash receipts from the monthly meetings and other events. This discussion was tabled until the October meeting.

History – Gretchen Langfeldt
Nothing new to report

Refrigeration – Peter Bailey
Nothing new to report

Student Activities – Shawn LaBelle
Nothing new to report

NEW BUSINESS

It was noted that there is a \$200 deficit in the Scholarship Account that will be covered by the general fund until sufficient advertising income is received.

MEETING ADJOURNED

A motion to adjourn the meeting was made by Dick Wilcox. It was seconded by Pete Bailey and carried. The meeting adjourned @ 5:08 PM.

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

Date: 09/07/2011

Location: FAHC Boiler Room and the Hampton Inn
Minutes Recorded By: Robert J. Favali, Secretary

ATTENDANTS (30)

Scott Alexander	LN Consulting
Pete Bailey	Dodge Engineering
Joshua Chiappone	Johnson Controls
Mike Cook	ARC Mechanical
Tom Dacres	Vermont Heating & Ventilating
Steve Dumas	Liebert Engineering
Rob Favali	Dubois & King
Sheryl Graves	Efficiency Vermont
David Golen	Adirondack Combustion
Corey Griffiths	Vermont Mechanical Inc.
Ray Hickey	Advanced Comfort Systems
Brice Kosnik	Basix Automation Integrators
Steve Kreigh	Mylan Technologies
Shawn LaBelle	Vermont Mechanical
Cody Lezak	Efficiency Vermont
Nathan Mascolino	Vermont Heating & Ventilating
Rachael Mascolino	Efficiency Vermont
Tim Perrin	Efficiency Vermont
Dan Reilly	Gourley Company
Ken Secor	KPS Consulting
Martha Soule	Vermont Heating & Ventilation
Nick Thiltgen	Efficiency Vermont
Robert Trahan	Mechanical Innovations
Harris Unger	Advanced Comfort Systems
Rob Ward	Vermont Heating & Ventilation
Dick Wilcox	Vermont Heating & Ventilating
Clark Sweeney	Sweeney Refrigeration & HVAC Service
Randy Mead	Control Technologies
Nick Rock	Controls Technologies
Eric Lafayette	Vermont Mechanical Inc.

TECH SESSION

This month's tech session was a tour of the boiler plant at Fletcher Allen Health Center in Burlington. The tour was presented by Dave Golen of Adirondack Combustion Technologies and Jim Goldsmith of

FAHC explained the history of the boiler plant and the current project involving rebuilding two of the facilities oldest steam boilers and upgrading the central control system.

GENERAL MEETING AND MAIN PRESENTATION

Our general meeting and dinner was held at the Hampton Inn. During the meeting, the 2011-2012 Chapter BOG and Main Officers were formally installed.

The main presentation was by Dave Golen of Adirondack Combustion Technologies. Dave presented a more detailed explanation of the work at FAHC including slides of the rebuilding process, discussion on the upgrades and recent performance measurements, and demonstrations of the control system.

Local Organizations Partner Up With Hurricane Irene Programs

Rebuilding Safely and with Energy Efficiency in Mind:

Addressing Rebuilding Needs for Homeowners and Businesses Affected by Tropical Storm Irene

As Vermonters rebuild in the wake of Tropical Storm Irene, Efficiency Vermont is working with contractors and community-based organizations to help residents and small businesses rebuild. Here are some of the offerings:

Flood Relief Rebates for Heating and Hot Water Systems

For a limited time Efficiency Vermont is partnering with Vermont Fuel Dealers Association and area HVAC contractors to offer up to \$1000 to replace heating and hot water systems that are less than 250 MBH in capacity with eligible equipment. Customers should contact Efficiency Vermont for copies of the rebate form and to receive a reservation

number to ensure funding availability, at 888-921-5990.

Free Flood Repair Assessments with Air Sealing

As repairs are being made to homes and businesses affected by flooding, it is important to consider mold, mildew, indoor air quality, and carbon monoxide. For a limited time, Efficiency Vermont is offering free, objective assessments and air sealing to help Vermonters rebuild with energy efficiency and safety in mind.

Efficiency Vermont is partnering with local Building Performance Institute certified contractors and Weatherization Assistance Programs to offer homeowners and small businesses:

- A moisture assessment to determine if flooded areas have dried sufficiently
- A blower door test to identify areas of air leakage
- Air sealing in flood-affected areas to reduce energy loss
- Combustion safety testing to determine carbon monoxide levels
- Recommendations and next steps for rebuilding safely and energy efficiently

For the assessment to be most helpful, affected drywall and insulation must be removed at least six inches above the water line and any potential mold issues addressed prior to the visit. Once they have registered with FEMA and these items are addressed, interested home and small business owners should call Efficiency Vermont at 888-921-5990 to schedule an appointment. Availability is on a first-come, first-served basis.

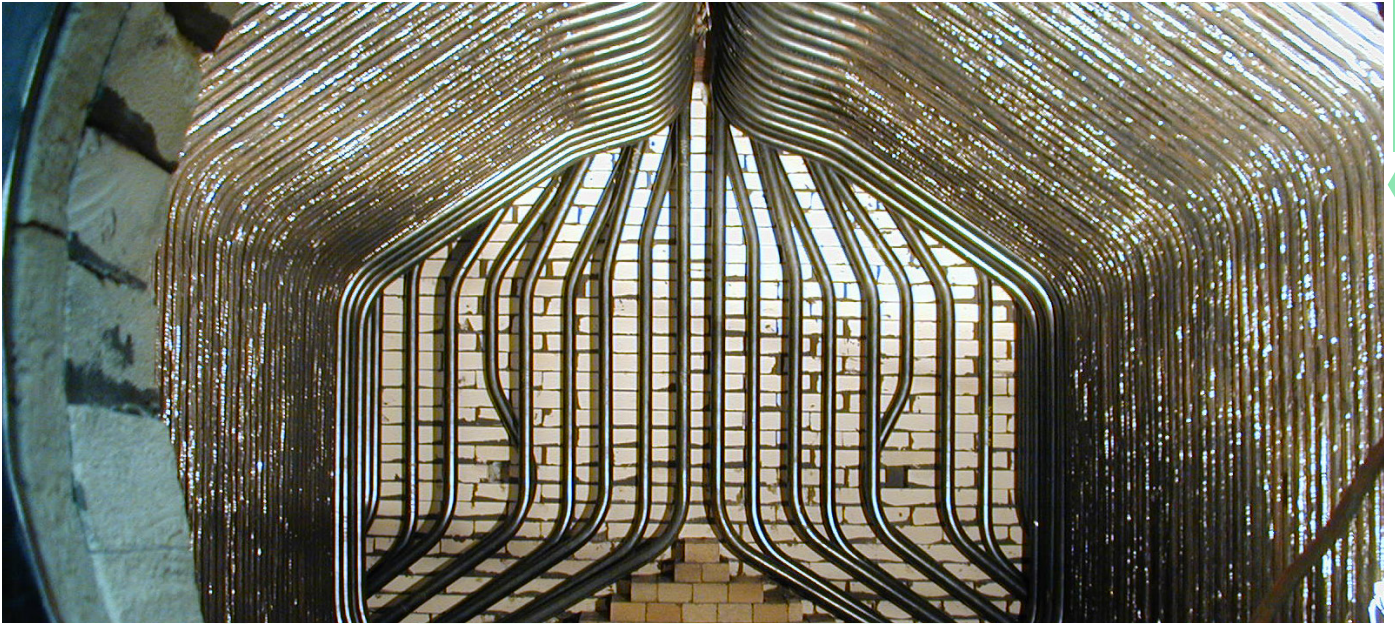
For the Full Menu of Efficiency Vermont's Irene Offerings

In addition to the programs above, do-it-yourself workshops and other programs are being offered across the state — the complete, up-to-date information for which may be found online at:

www.encyvermont.com/irene

SEPTEMBER MEETING HIGHLIGHTS

We had a very well attended tour of the FAHC boiler plant to see the boiler firebox modifications utilizing membrane technology to increase the boiler horsepower while maintaining the original footprint of the 1966 boilers. The boilers are receiving new low NOx parallel positioning system with O2 trim and efficiency monitoring controls. A new plant wide control system has been provided to sequence the five boilers and monitor the efficiency of each boiler as well as to control the staging and array of boiler combinations to meet load conditions.



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Dave Golan of Adirondack Combustion presented good information on the issues confronted by FAHC in the early stages of the project and explained why specific solutions were selected to address and improve the efficiency of the existing boiler plant. Our thanks to Dave for a knowledgeable and organized presentation. We appreciate the time of Dave Goldsmith and his staff to allow us to roam freely through their boiler plant.

Shawn Labelle our out-going President formally swore myself in as President and installed the officers and board of governors for the 2011-2012 Society year.

Mike R. Cook



CRC 2013 COMMITTEE

The Chapter Regional Conference or CRC is coming to the Champlain Valley Chapter August 15-17, 2013. That seems like a long way off, but there is a lot to plan and prepare for in that time. The CRC is the business meeting and training for chapter officers and chairs. There are also technical seminars on current topics. It is also a time to network with other chapters and get to know the leadership of ASHRAE region 1. The CRC happens every August at one of the 13 local chapters in Region 1. We expect 150 attendees over the three days of the conference.

We have formed our initial committee comprised of:

CRC General Chair:	Tom Zoller
Vice Chair:	Steve Pool
Reception/Registration / Attendance Chair	Heather Smith
Finance Chair:	Peter Bailey
Publicity/Photos:	Steve Poole
Accommodations / Arrangements:	Tom Zoller
Website:	Peter Bailey

Others on the CRC general committee include Mike Cook, Tom Dacres, Dick Wilcox, Nathan Mascolino, Amy Patnaude, and Shawn Labelle. We are currently meeting over lunch for an hour, every 2-3 months.

We still need to fill Transportation Chair, Social Functions Chair, Tech programs Chair, Sponsorship Chair, and Secretary positions. We need all the help we can get to have a great CRC2013 and will need your help. Please contact Tom Zoller if you are interested in helping with this great event or if you have questions about these Chair positions. This is a great way to get involved and discover what ASHRAE does for all members at a regional level.

Tom Zoller
Tom Zoller

2011 Chapter Regional Conference Overview



Pete Bailey, Tom Dacres and myself attended the ASHRAE Region 1- 2011 Chapter Regional Conference (CRC) hosted by the New York City chapter in August. The CRC's purpose is an annual event intended to accomplish four goals:

1. Nominations – recommend and elect future ASHRAE leaders
2. Conduct Business – Reports and motions (to effect change in ASHRAE)
3. Training – Through workshops – training for Chapter Committees
4. Social – Interact with fellow ASHRAE leaders

The technical sessions and workshops provide the training and guidance for chapter officers and committee chairs in fulfilling their respective duties and responsibilities for the upcoming year in the operation of local chapters.

Social events and speaker presentations put together by the New York City chapter included a panel discussion Thursday evening featuring three engineering leaders in conjunction with the Urban Green Building Council which was held at the Alexander Hamilton US Customs House. The panel discussion focused on the overall climate of our industry as well as local and national trends. After the roundtable a dinner was offered at the Inatteso Pizza Bar which offered us an unexpected taste of Italian cuisine. During the Friday lunch Laurie

Kerr, Senior Policy Advisor from the NYC Mayor's Office spoke on the steps that NYC has taken in tackling existing building energy consumption. On Friday evening the speaker was Tom Watson ASHRAE Society President Elect at the Grill Room in the World Financial Center with a lovely view of the Hudson River. Tom Watson's dinner presentation was an overview of ASHRAE happenings at the society level and to affirm the goals and objectives set forth by President Ron Jarnigan and encourage members to participate in fulfilling the ASHRAE mission. The conference ended with a Saturday luncheon where awards are presented to recognize the achievements of chapters and individuals over the past year.

As stated earlier the 2011 CRC was hosted by the NYC chapter, celebrating their 100th anniversary as an ASHRAE chapter which was held at the Downtown Marriott in Manhattan. Down the street from our hotel was a variety of construction being undertaken at the former site of the World Trade Center. We were able to observe the construction from observation areas adjacent to the new construction. We could see sections from afar of the 911 Memorial, a national tribute of remembrance and honor to the people who were killed in the terror attacks of September 11, 2001. It was a special treat to see the memorial as the final touches were being undertaken one month before its official dedication on September 11, 2011. Next door to the memorial we observed the ongoing construction of the Freedom Tower which will stand 1,776 feet and will be the tallest building at the World Trade Center complex. The tower will have 3.5 million square feet for offices, an observation deck at the top, restaurants, broadcast and antennae facilities. The tower is to serve as a beacon of freedom and demonstrate the resolve of the United States and people of New York City. Completion is scheduled for sometime in 2013. What more could be asked for the entertainment and inspiration for a group of building professionals? Thank You New York City chapter!



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-

2011-12 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	0	0
Student Activities	0	0
Technology Transfer	0	0
Research & Promotion	0	0
History	0	0
Chapter Operations	0	0
Chapter TOTAL	0	0

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

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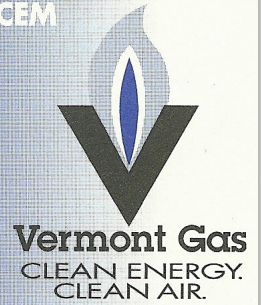
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