



the Champ

Monthly Newsletter of the CHAMPLAIN VALLEY CHAPTER OF ASHRAE

Serving Vermont Since 1969

President's Message



First and foremost I want to thank everyone who attended September's meeting along with Steve Fey of Mason Industries for performing a great presentation on Seismic Restraint. We had a great attendance and like always great food provided by The Essex.

During September's meeting I want to thank Pete Bailey for presenting the awards the Champlain Valley Chapter had been awarded during the 2010 CRC. The chapter

came home with a total of 8 awards. For such a small chapter this is a great accomplishment. I want to thank everyone who had participated in the chapter last year for all their hard work and determination. I know going into the 2010-2011 year with the current officers and members we will be as successful as previous years.

It was my pleasure during the September's meeting to present Pete Bailey with his Past Presidents Pin. He did a great job last year and is one of the main reasons for coming home from the 2010 CRC with 8 awards. I can't thank Pete enough for his continued support and the guidance he has provided me to help get the 2010-2011 year kicked off.

As announced during September's meeting the chapter is now offering space within the newsletter for advertisement ads in addition to the business cards located on the last page. Also the Champlain Valley Chapter of ASHRAE will be changing the meeting costs to members and non-members due to the increased cost for monthly meetings. The meetings costs to each member will reflect the actual meeting cost to the chapter rounded up to the nearest \$5.00 increment. All CVC non-members will be an additional \$5.00 and students will remain at \$10.00. I had sent out memos that contained greater detail of the advertisement and meeting cost changes on 9/13 and 9/15. Please contact myself if you did not receive the memos and also if you have any questions or concerns.

I hope to see all of you at Octobers Meeting which will be held at The Essex. The tech session will be about chilled beams and a represented from Krueger will be presenting the topic. The main presentation will be presented by Tim Guiterman of Navigant Consulting. He will be

presenting an overview of the changes being considered for the forthcoming Vermont Commercial Building Energy Standards (CBES). It is encouraged to please bring any comments in regards to the CBES so we can discuss during the meeting.

Sincerely,

Shawn LaBelle, Chapter President

Chapter Meeting October 6th @ The Essex

BOG Meeting 4:30 PM

Technical Session: Chilled Beams Presented by Krueger Representative

Dinner 7 PM

Main Presentation: Overview of changes being considered for the forthcoming Vermont Commercial Building Energy Standards by Tim Guiterman of Navigant Consulting

\$30 Members; \$35 Non-Members

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2010-2011 ASHRAE CVC MEETING CALENDAR

September 2010
Vol. 25 No. 2

September 1 st	October 6 th	November 3 rd	December 1 st	January 5 th
The Essex BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm HVAC Seismic Re- straints Part 1 - Codes and Standards Part 2 - Applications Steve Fey - Mason Industries	The Essex BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm Tech Session - Chilled Beams / Krueger Main Presentation - Vermont Commercial Building Energy Code Tim Guitermen - Nugent Consulting	The Essex BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm Membership Promotion and Joint Meeting with Vermont Green Building Network (VGBN) USGBC - Lisa Whit- ed - LEED Accredita- tion, Training and Main- tenance	The Essex BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm Cx Topic - To Be Deter- mined (TBD)	The Essex BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm Joint Meeting with RSES Refrigeration Devices - In Progress
February 9 th	March 2 nd	April 6 th	May 4 th	June 1 st
The Essex BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm Membership Promotion and YEA Night Distinguished Lecturer In Progress	BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm Facility Tour Location TBD	BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm Meeting Sponsored by Vermont Technical Col- lege (VTC) Student Chapter Program TBD	The Essex BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm STD 189.1 Speaker TBD	End of Year Special Location and Topic TBD



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Technology Transfer

We have two presentations scheduled for October's monthly meeting which will be held at the Essex Inn.

The technical presentation will be about chilled beams, an energy saving technology that is being used more often in the United States. This presentation will address chilled beam applications, design considerations, and installation. This topic will be presented by a representative from Krueger.

The main presentation of the evening will be presented by Tim Guiterman of Navigant Consulting who will be giving an overview of the changes being considered for the forthcoming Vermont Commercial Building Energy Standards (CBES) with its basis from the 2009 IECC. The Vermont CBES will include cover pages and introductory sections that speak to the Vermont edition of the code and how the changes apply to users choosing to follow the compliance path of ASHRAE 90.1 – 2007. Tim will discuss each section of the code and highlight the major changes. He will be encouraging feedback and comments from our members as he discusses each section. So I encourage everyone to bring your thoughts and questions for October's meeting.

Tim Guiterman, M.S., LEED AP, Senior Consultant, Navigant Consulting, Burlington, VT. Skills include building energy-use simulation modeling and engineering analysis, energy efficiency program design and implementation, and experience in the development of energy efficiency and renewable energy policy. Tim also has experience conducting commercial energy audits and performing building commissioning of new and existing commercial buildings. As a consultant for Navigant, Tim, along with a group of technical advisors and stakeholders, led the effort on behalf of the Vermont Department of Public Service to update the Vermont Commercial Building Energy Standards (CBES). Prior to joining Navigant Consulting, Mr. Guiterman was a Commercial Program Manager for the Governor's Energy Office in Denver, Colorado. Before that, he was an Energy Engineer for EMC Engineers, Inc. He received his Master's Degree through the Building Systems Engineering Program at the University of Colorado, Boulder, and has a B.A. in Environmental Studies from the University of Colorado.

Student Activities Report

VTC Chapter

Committee Chair: Shawn LaBelle

Student Chapter Advisor: Chris Reilly

I want to thank Chris Reilly and Scot Sabol of VTC for attending September's meeting. Pete Bailey presented to Chris Reilly the ASHRAE Region 1 Best Student Design Competition Award for Vermont Technical College.

Thanks, Shawn LaBelle

Membership Promotion

We are still looking for 1 more person to volunteer and sit on the MP committee. Please let me know if you are interested.

November's CVC meeting is our first membership promotion night! It will be a joint meeting with Vermont Green Building Network (VGBN). VGBN is USGBC's Vermont Chapter. Lisa Whited from USGBC will speak on continuing education to maintain your LEED AP. Look for more detailed info next month. I challenge each member to bring a prospect or guest to the November meeting.

Why Advance from Associate Member to Member?

- Advancement is the member's commitment to ASHRAE's goals.
- Member grade is a qualification for Fellow grade.
- Members are considered seasoned industry professionals and are often seen as experts

Who? Maybe you! Anyone who is an Associate who has been a member for 12 or more years is likely to be eligible.

Member Qualifications: At the time of admission or advancement, a Member shall have the equivalent of 12 Society-approved years of experience composed of an approved combination of: (1) completed education beyond high school; (2) work experience*; and (3) professional engineering or related registration or license issued by a legally authorized body.

*Qualifying work experience must be in the performance of duties in work related to ASHRAE fields and shall have included research, teaching, design, contracting, engineering sales, or engineering management.

PLEASE let me know if you think qualify and want to advance your ASHRAE membership.

Another reminder to the existing chapter members, please renew your annual ASHRAE membership (online preferably) if you have not already done so.

Reminder: It is important to send an email to Ray Hickey (rhickey@advancedcomfortsys.com) by the Sunday prior to the scheduled meeting indicating that you will be attending the meeting. Thank you!

Tom Dacres

Sept. BOG Meeting Minutes

Date: 9/1/10
 Location: The Essex
 Time Called to Order: 4:38pm
 Called to Order By: Shawn, President
 Minutes Recorded By: Nathan Mascolino, Secretary
 Attendants:
 Shawn LaBelle Vermont Mechanical Inc
 Mike Cook ARC Mechanical
 Ken Secor KPS Consulting
 Mike Cook ARC Mechanical
 Dick Wilcox VHV
 Tom Dacres VHV
 Nathan Mascolino VHV
 Scott Alexander LN Consulting
 Peter Bailey Dodge Engineering
 Sandy Laflamme Efficiency Vermont

Last Meeting Minutes

Motion to approve Aug, 2010 meeting minutes was put forth by Peter B and seconded by Mike C, motion passed.

OFFICERS REPORT:

President Report/Chapter Operations: Shawn Labelle

Shawn and Peter reported that during the CRC the Champlain Valley Chapter received the below listed awards.

- Programs Promotion ASHRAE Research - Certificate of Achievement for Exceeding Goal - Heather Condon
- Champlain Valley Full Circle
- Champlain Valley Honor Roll - Special Citation
- Champlain Valley History - (2) Ribbons
- Presidential Award of Excellence - Special Citation - Peter Bailey
- Presidential Award of Excellence - Sustainability Activities - Peter Bailey
- ASHRAE Region 1 - Refrigeration Comfort Cooling Award for Project Excellence - Pizzagalli Properties Project
- ASHRAE Region 1 - Best Student Design Competition - Vermont Technical College

While at the CRC Peter incurred some expenses on his personal credit card equaling the amount of \$83.16. A motion was put forth by Ken S that Pete be reimbursed in the amount of \$83.16. The motion was seconded by Scott A, motion passed.

Shawn asked that all officers send their news letter articles directly to him not more than 2 weeks after the monthly meeting. Shawn will then send all articles together to Matt.

All officers agreed.

Shawn handed out a memo dated 9/19/10 outlining a newly proposed newsletter advertising rate structure. A business card size add will be \$100.- per year, a quarter page size add will be \$200.- per year, and a half page size add will be \$300.- per year. All proceeds from the advertisements will go into the ASHRAE CVC scholarship account. A motion was made by Tom D and seconded by Dick W that the memo be voted on and adopted as the new advertising rate structure, motion passed.

Shawn would like for all new officers to send him bio information and a photo for the website.

Shawn reminded everyone that the MBO's/Review was due by Oct 1st. Please log in and update your PAOE points. An email will go out to everyone who needs it with the correct log in info.

Topic of discussion was brought forward by Shawn that other chapters have laptops that are passed from treasure to treasure so the books never have to be transferred. Ken indicated that he currently has all the hard wear and software he needs. In the event of another person taking over the books Ken is prepared to donate all software necessary for a smooth transition. It was decided that a laptop is not needed at this time.

Topic of discussion was brought forward by Shawn that other chapters have projectors that they use for meetings. The CVC chapter currently pays +/- \$300.- per meeting for the use of a projector. Dick W is going to do some research and report back to the BOG during the Oct meeting with information regarding price and reliability of a projector. Sandy L believes that Efficiency VT has projectors available that we could borrow monthly for meetings. Dick W will report in the Oct meeting.

Shawn proposed we assemble a comity responsible for identifying and applying for ASHRAE awards that we may be eligible for. The topic was tabled until the Oct meeting.

Shawn reported that the search is still on for a new venue to hold monthly meetings. Research needs to be done to see if we can find a place that will accommodate us at a lower per/ person cost, and could offer a more convenient location. Ken S volunteered to take the lead in researching options. Ken is open to ideas and will follow up if someone makes a location suggestion. Ken will report back in the Oct meeting.

Shawn reported that the per meal cost (dinner meetings) has risen to a point that results in the CVC chapter having to make up the difference every month. Ken S made a motion, and Peter seconded that the dinner charge should reflect the actual cost of the meeting (per meal cost) rounded

General Meeting Minutes

up to the nearest 5 dollar increment. The motion passed and will take effect as of the Nov meeting. The October news letter will outline the meal cost for the Nov meeting.

President Elect/Student Activities Chair Report: Mike Cook

Mike reported on the proposed meeting schedule for this year. The proposed schedule can be seen this month in the news letter in Mike's report. There are a few remaining openings that are projected to be filled by the first of Oct. Mike expects a full schedule be available by Oct 1.

Vice President/Membership Chair Report: Tom Dacres

Tom reported that he is nearly complete in assembling a membership committee. Details will be available in his report this month.

Treasurer Report: Ken Secor

Ken had nothing new to report.

Secretary Report: Nathan Mascolino

Nathan had nothing new to report.

Resource Promotion: Heather Condon

Not in Attendance

History: Gretchen Langfeldt

Not in Attendance

Reception: Ray Hickey

Ray had nothing to report.

New Business

Meeting adjourned Motion to adjourn made by Scott, seconded by Ken. Meeting adjourned @ 5:52 PM

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

Resource Promotion

October is donor recognition month and gives us a chance to thank the many generous donors that helped make the 2009 – 2010 campaign a great success. Heather did a great job spear-heading the effort and we exceeded not only our Chapter's goal but our Regional goal as well.

As we kick-off a new Resource Promotion year and work toward CVC's 2010 – 2011 goal, I look forward to working with you to make this year a great success as well. Look for more information coming soon on the RP web page. If you want to donate to ASHRAE Research, please send a check made out to "RP ASHRAE" to my attention at Efficiency Vermont or mail directly to Patricia Adelman at ASHRAE headquarters. Thanks to those of you who so generously gave last year!

Thank you.
Sandy LaFlamme

Date: 9/1/10

Location: The Essex

Minutes Recorded by: Nathan Mascolino, Secretary

Attendance: 28

Scott Alexander	LN Consulting
James Ashley	Green Mountain Geothermal
Pete Bailey	Dodge Engineering
Mike Cook	ARC Mechanical
Tom Dacres	Vermont Heating & Ventilating
Rob Favali	Dubois & King
Ray Hickey	Advanced Comfort Systems
Walt Joncas	ECT HY-SAVE
Shawn LaBelle	Vermont Mechanical
Sandy LaFlamme	Efficiency Vermont
Jim LaVallee	Vermont Mechanical
Nathan Mascolino	Vermont Heating & Ventilating
Mike Pelletier	IBM
Chris Reilly	VTC Faculty
Chuck Rainville	Hallam
Ken Secor	KPS Consulting
Martha Soule	Vermont Heating & Ventilation
Tim Valyou	Vermont Heating & Ventilating
Rob Ward	Vermont Heating & Ventilation
John Whitebread	Buckley Associates
Lin Witherell	
Dick Wilcox	Vermont Heating & Ventilating
Tom Zoller	Trane
Scott Sabol	VTC Faculty
STEVE FEY	Mason Industries (SPKER)
Mark Braberman	Vibra-Conn
Brian Atwood	Vibra-Conn

General meeting – Refrigeration Night

September's meeting topic was seismic restraint; both sessions were given by Steve Fay from Mason Industries.

Peter Bailey installed the new officers.

Shawn reported on the new meal cost structure to take effect in Nov.

Tech session: Steve Fay from Mason Industries talked about seismic restraint in the HVAC industry..

The Essex served an excellent dinner as always.

Main Presentation: Rusty Walker from Hill Phoenix Refrigeration Racks gave a presentation on Refrigeration Rack Systems and Energy efficiencies and newer racks of today. Rusty talked about DX systems, Glycol Systems, and CO2 systems.

Treasurer's Report

As of today, September 14th, 2010, all bills are paid and our TD Bank checking account is \$17,772.86 - down from last month by \$31.73

Our search for a closer and less expensive monthly meeting place is under way. Many places abound within 500 yards from I-89 exits 14 and 16.

Our monthly meetings were never intended to be profitable - merely break even. Of note, last month's cost per person based on 30 attendees resulted in a bill of \$1,023.26 or, \$34.10 a head!

We have two choices: somehow reduce the cost of the meeting - or simply increase the price for each attendee. Months ago we altered the meeting fees by raising the rate for attendees that are not CVC-ASHRAE members. Further, a recent motion to simply "float" the costs based on actual invoice amounts was approved at the last BOG (Board of Governors) meeting.

By next newsletter, we should have some solutions in hand. Our search may result in simply meeting where we've been for the past few years - and paying the current rate. This option however, should result after a diligent search for viable alternatives.

Ken Secor, Treasurer

CRC 2013 Planning Committee is Forming

The ASHRAE Region 1 Chapter Regional Conference (CRC) is coming to Burlington in August of 2013. We are in the very early stages of forming a planning committee to organize the event. The CRC is the annual Region 1 meeting where the officers and committee chairs of the 15 chapters in our region get together for officer training, to present motions to the Society level, and to conduct general business at the Region 1 level. Each chapter in the region hosts the CRC roughly every 15 years, and 2013 is our year.

Please contact Tom Zoller if you are interested in being on the committee and to help organize some portion of the event. We are looking for people to Chair and/or be members of the following committees: Secretary, Treasurer, Golf, Photographer/Publicity, Sponsorship, Website, and Reception.

We will need a lot of help to put this conference on. Time involvement for most committees will be relatively small.

Contact Tom Zoller at 802-864-3816 or TZoller@trane.com for more information on how you can help.

ASHRAE Refrigeration Rack Systems Day - Seminar

Thursday—November 4, 2010

Held at "The Essex – VT Culinary Resort & Spa"

8:00 Am - 4:00 Pm

\$85.00 (includes cont. breakfast, lunch & training books)

The Second Nature ISTM (medium temperature rack) series provides service technicians, installers, start-up, and maintenance professionals with detailed instructions on how to install, start-up, troubleshoot, and maintain secondary, commercial refrigeration systems. After completing the Overview of Commercial DX Racks, participants will be able to:

- Identify the component and the purpose of each component on a Rack
- Understand the sequence of operation
- Gain an understanding on trends and changes with commercial refrigeration racks
- Learn which types of systems should be used for the different applications and objectives, with the focus being on parallel racks, distributed systems, and mechanical centers.
- Learn about upcoming regulations that are impacting the industry

About the **Instructor - Rusty Walker** – Corporate Learning Center

Rusty Walker is the trainer for the Hill PHOENIX Learning Center. He has been in this position since the Learning Center was developed over five years ago; however, this is a position that he has trained for his entire career. In Rusty's previous eight year career with Hill PHOENIX he has worked in engineering, completed field work, and also managed the Research and Development lab. In addition to his career with Hill PHOENIX Rusty has also worked with Atlanta Energy Specialist as a technician, at Bohn, and at Heatcraft. Rusty has basically committed his entire career to commercial and supermarket refrigeration. His background, education, and experience have prepared him for his current position, where participants of his programs give him high marks (average score of 94.5%). The Learning Center audiences vary from the supermarket end-user and design engineers to field service and installation personnel. Rusty's teaching style not only helps you retain a high level of information, but also make the process fun and committed to meeting each participants needs and expectations.

RSVP Peter Bailey – PFBailey@DEICcontrols.com

Pictures of September Meeting



Walt Joncas receiving the Comfort Cooling Award



Peter Bailey - the Comfort Cooling Award



Shawn and Pete



Chris Reilly of VTC receiving ASHRAE Region 1 Best Student Design Competition Award



Shawn giving past president pin



Shawn - Charter & Gavel handover

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 heating, 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	(2010-11)
Membership Promotion	500	
Student Activities	400	
Technology Transfer	750	
Research & Promotion	1050	
History	200	
Chapter Operations	400	
Chapter TOTAL	3300	

2009-2010 BOARD OF GOVERNORS

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Subscription to the newsletter and membership questions should be directed to Tom Dacres (802) 318-3298 or tomd@vhv.com

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