



the Champ

Monthly Newsletter of the CHAMPLAIN VALLEY CHAPTER OF ASHRAE

Serving Vermont Since 1969

President's Message



It was great seeing all the members that attended our October's meeting. Unfortunately Chris Hoffman of Krueger was unable to make it to Vermont to present, but thankfully Krueger was able to set up a webinar for us. With that said I want to thank Steve Ballard, Chris Hoffman and Brian Solis for providing the webinar to us and to all of you for your patience while it booted up.

Tim Guiterman of Navigant Consulting did a great job presenting

on the overview of the changes considered for the Vermont Commercial Building Energy Standards (CBES). It was nice to see the interaction with the audience. I hope that everyone who had questions or changes that they would like to see take place in the standard were able to get those to Tim. Thanks Tim for taking the time to present to our chapter, hopefully you were able to get some helpful input from our members.

It was my pleasure to present Heather Smith with her award for exceeding her Research Promotion fundraising goal. Heather did a great job last year and continues to be an awesome resource for the chapter, thanks Heather.

I also want to thank Joe Furman for attending our meeting. Joe is ASHRAE Region 1's Assistant Regional Chair and Treasurer. It is great seeing someone from Society visiting our small, active chapter in Northern Vermont. Joe, I apologize for all the rain hopefully your next visit will present you with more appealing weather and fall foliage.

As all of us know the ASHRAE CVC website and newsletter has been and continues to be a vital link to our members. I would like to thank Natasha Yaryna and Matt Tanis of Hallam-ICS for administrating our chapter website and editing our monthly newsletter. They have been playing this vital role in our chapter for the past four years and if it wasn't for them we would have a hard time getting out our monthly newsletter on time and information to our chapter members. They have done a great job and their work has been greatly appreciated. Unfortunately this will be their last year in doing so and they have asked that we start looking for other volunteers. So I am asking our members to please help in finding someone that would be willing to volunteer 4-8 hrs of their time a month to edit our newsletter and also to adminis-

trate the chapter website. Please contact myself for more information and if you would like to volunteer or if you know of someone else that would be willing to help out.

I hope to see all of you at November's meeting which will be held at The Essex. This meeting will be an ASHRAE membership promotion night, along with a joint meeting with Vermont Green Building Network (VGBN). The chapter will be providing a Wolaver's beer special, \$2.50/ beer. The tech session topic will be an Introductory of the VGBN and how it can benefit ASHRAE members. The main presentation will be presented by Lisa Whited from USGBC on LEED accreditation, LEED AP training and maintenance.

Sincerely,

Shawn LaBelle, Chapter President

November 3rd @ The Essex
Membership Promotion Night \$2.50 Wolaver's Beer Special
BOG Meeting 4:30 PM
Technical Session 6 PM
Dinner 7 PM
Main Presentation 8 PM
\$30 VGBN and CVC Members
\$35 Non-Members

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2010-2011 ASHRAE CVC MEETING CALENDAR

Vol. 25 No. 3 2 October 2010

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



Efficiency Vermont

REBATES FOR CENTRAL HEATING & COOLING

Now Including Boilers and Furnaces!

Contractors receive \$100 per unit for installing energy-efficient HVAC equipment in Vermont commercial buildings.

Your customers save money NOW with rebates and INTO THE FUTURE with energy savings.

It's Easy to Get Started

Download the 2010 Central Heating and Cooling Rebate Application from the Business Rebate Center at www.encyvermont.com. Or call toll-free: 888-921-5990.



Rebates and incentives on boilers, furnaces, AC units, economizers, and more!

For all Burlington projects, call the Burlington Electric Department at 802-865-7341.

Technology Transfer

November 3rd @ The Essex

Membership Promotion Night \$2.50 Wolaver's Beer Special

BOG Meeting 4:30 PM

Technical Session 6 PM: Jesse Robbins (President of VGBN) will be giving an overview of VGBN and describing what they do and how this knits with ASHRAE

Dinner 7 PM

Main Presentation 8 PM: The main presentation will be an interactive webinar presented by Arnold Kee (Green Building Certification Institute, Continuing Education Manager-Credentialing- Division of USGBC) on LEED accreditation, LEED AP training and maintenance.

\$30 VGBN and CVC Members

\$35 Non-Members

I would like to take this opportunity to thank all the members who attended last month's meeting, we had a good turnout and I apologize for the technology issues we experienced for the webinar presentation on chilled beams which detracted from the topic of discussion, I personally thank you for your patience. Regarding the presentation on the updated Vermont Commercial Energy Standard it was my opinion that the members in attendance asked good questions and provided helpful feedback to Navigant Consulting as they finish up their amendments and changes to the current code.

November's program will be a joint venture with the Vermont Green Building Network (VGBN) as well as a membership promotion evening. The first topic will be an introductory talk about VGBN, what it is and how it can benefit ASHRAE members. The main presentation will be presented by Lisa Whited from USGBC on LEED accreditation, LEED AP training and maintenance.

I am looking for one or two members to join myself and Wayne Vanasse to create a CTTC committee for our local chapter. The main task of this committee would involve brain storming potential program topics and identifying speakers or ways to get feedback from our members on topics of interest for our members. This is an opportunity for some of our new and younger members to become more involved in the operation of our local chapter with minimal time commitment. We would work out the best method for conducting committee meetings once our group has been established. Please send me an email or give me a call if you have interest in helping out with Chapter programs this year.

I encourage any member to send me an email or call if you think of a topic, speaker or new technology that would be of interest to our chapter. The topics do not have to be HVAC related, they could be professional development and business topics, building industry related topics such as building science, fenestration, day lighting, insulation, non-HVAC LEED categories and , controls etc.

Another beneficial thing for members to be aware of if you have any documented personal contact with government officials at any level or with other business or professional groups which promote ASHRAE related subjects or chapter goals and objectives, please feel free to send me the details and I will provide recognition in our newsletter and our chapter gains Presidential Award of Excellence (PAOE) points as well for such activity by our members. The same recognition and chapter benefits apply to any member who earns or renews an ASHRAE certification.

Membership Promotion

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.

We are offering a beer special for MP night, \$2.50 for a tasty Wolaver's Organic Beer! Wolaver's are brewers of the nation's first certified organic beers. Their Mission is to be dedicated to brewing great tasting beers, supporting sustainable agriculture, and minimizing their impact on the environment.

I challenge each member to bring one prospect or guest to the November meeting.

To help with this recovering economy, ASHRAE is offering the Affiliate membership option to prospects age 30 and younger.

- What is Affiliate membership?
- It is for young professionals who are age 30 or younger and who are brand new to ASHRAE and want an introduction to our great Society
- It is a three year membership for these prospects, and the rate is \$50 year 1, \$70 year 2, and \$90 year 3
- At the end of year three, they are converted to full dues paying Associate members
- Affiliate membership includes all member benefits except for the ASHRAE Handbook and an opportu-

nity to vote in the Society annual ballot

- Though Affiliate members can't hold positions in the chapter or Society, they can serve on local chapter committees such as MP to learn the volunteer role
- If you wish to apply online, you must enter your date of birth to receive the Affiliate option. If you wish to apply on paper, you would use the regular membership application as attached and select the Affiliate membership option at \$50.

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 remember to send an email to Ray Hickey (rhipkey@advancedcomfortsys.com) by the Sunday prior to the scheduled meeting indicating that you will be attending the meeting. Thank you!

Tom Dacres – MP Chair

October BOG Meeting Minutes

Date: 10/6/10

Location: The Essex

Time Called to Order: 4:37pm

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
Dick Wilcox	VHV
Tom Dacres	VHV
Nathan Mascolino	VHV
Scott Alexander	LN Consulting
Peter Bailey	Dodge Engineering
Gretchen Langfeldt	Switchback brewery

Last Meeting Minutes

Motion to approve Sep, 2010 meeting minutes was put forth by Mike C and seconded by Ken C, motion passed.

OFFICERS REPORT:

President Report/Chapter Operations: Shawn Labelle

Shawn confirmed that everyone who needed to sent in their MBO reports.

Shawn reported that this would be the last year that Hallams-ICS would be able to administrate and edit the ASHRAE CVC newsletter. Shawn will find out from Hallams-ICS if there is any specific software being used in association with the newsletter now. If there is, Shawn will report back to the board with the cost. We are on the look out for someone

to take over the newsletter.

Shawn introduced Joe Furman from ARC region 1 who sat in on the BOG meeting and also the chapter meeting.

Shawn reported that all of the bio's on the website have been updated except one (Sandy L) and that the last one was being worked on.

- There was discussion about possibly adding a "Membership" tab on the web page. This would somewhere for a non CVC member to go to and reference important info about becoming a member. It was agreed upon that it was a good idea, and should be implemented.

Shawn reminded everyone to keep the PAOE points updated.

There was open discussion about the purchase of a projector by the chapter. Dick W put together a projector matrix and highlighted two models that fell in the \$700-\$800 price range. It was suggested that we take down the make/ model of the projector we have been borrowing from Eff Vt. Dick will do that, and update the matrix and send it to everyone. The projector we have been borrowing will be compared with the rest of the matrix. The decision was tabled until next month when the new matrix will be available.

The BOG is still looking for volunteers to form an awards committee.

There was discussion about a possible new meeting location. Ken S has been leading the research and reported that he has had a hard time comparing meeting locations "apples to apples" Ken is going to generate a questioner to present to possible new meeting locations, as he receives information back from them he will generate a matrix and that matrix will be available for review by the board. The decision has been tabled until the next meeting.

Shawn reported that all of the fee's for the golf outing have not been collected. Tom Z is working on collecting the outstanding fees, and will report to Shawn later in the month.

President Elect/Student Activities Chair Report: Mike Cook

Mike reported that next months meeting will be a joint meeting with the Vermont Green Building association. AUSGBC representative will be here to talk about LEED certification and continuing education requirements.

- Tom D made a motion to charge all ASHRAE CVC members, and Vermont Green Building association members \$30.- for dinner. All guests and non members will pay \$35.- also included in Tom's motion was to offer an organic beer special next month. Organic bottled beer would be available for \$2.50, and ASHRAE CVC will pay the remainder to the vendor. Peter B seconded the motion. The motion PASSED.

There will be beer special at the Nov meeting. Organic bottled beers will be available for \$2.50

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

Gretchen reported that she continues to work on the gold ribbon

Reception: Ray Hickey

Ray had nothing to report.

New Business

Peter B reported that the planning of the Refrigeration seminar is going very well. The seminar will be held on Nov 4 and will include breakfast, and lunch. The fee for the Seminar will be \$85.-

Peter B reported that the plaques for PC properties has been completed to hang in the lobby of the tilly drive buildings. The cost of the plaque was \$62.50 and Pete paid for it out of pocket. Ken S will provide Pete a check for the above amount.

Meeting adjourned Motion to adjourn made by Nathan M, seconded by Dick.

Meeting adjourned @ 5:53 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

Date: 10/06/10

Location: The Essex

Minutes Recorded by: Nathan Mascolino, Secretary

Attendance: 39

- | | |
|----------------------|-------------------------------|
| Scott Alexander | LN Consulting |
| Max Anderson | New England Air Systems |
| Pete Bailey | Dodge Engineering |
| Phil Bresnahan | Vermont Mechanical Inc. |
| Joshua Chiappone | Johnson Controls |
| Mike Cook | ARC Mechanical |
| Heather Condon Smith | Efficiency Vermont |
| Tom Dacres | Vermont Heating & Ventilating |
| Rob Favali | Dubois & King |
| Sheryl Graves | Efficiency Vermont |
| Jenny Gould | Efficiency Vermont |
| Cory Griffiths | Vermont Mechanical Inc. |
| John Grout | Victaulic Company |
| Ray Hickey | Advanced Comfort Systems |

- Rick Hodgson
- Jason Hudspath
- Walt Joncas
- Joe Kazukenus
- Steve Kreigh
- Shawn LaBelle
- Jim LaVallee
- Doug Maddox
- Nathan Masoclino
- Bill Moore
- Jay Pilliod
- Mary Jane Poytner
- Dan Reilly
- Martha Soule
- Mike Spasyk
- Harris Unger
- Rachael VanWagner
- Rob Ward
- John Whitebread
- Dick Wilcox
- Tom Zoller
- Randy Mead
- Tom Robinson
- Tim Guiterman
- Steve Ballard

- New England Air Systems
- Thermal Environmental Sales
- ECT HY-SAVE
- Thermal Environmental Sales
- Mylan Technologies
- Vermont Mechanical
- Vermont Mechanical
- Maddox Energy Consulting
- Vermont Heating & Ventilating
- Tcorp Inc.
- Efficiency Vermont
- Efficiency Vermont
- Gourley Company
- Vermont Heating & Ventilation
- Dubois & King
- Advanced Comfort Systems
- Efficiency Vermont
- Vermont Heating & Ventilation
- Buckley Associates
- Vermont Heating & Ventilating
- Trane
- Control Technologies
- Control Technologies
- Navigant Consulting
- Northeast HVAC Solutions

General meeting – Refrigeration Night

October's meeting was held at the Essex. The tech session was on chilled beam technology and was given by Brian Sollis. Following dinner Joe Furman from ARC region 1 spoke, and the main presentation was given by Tim Guiterman and was an overview of the new proposed Vermont energy code.

Heather smith presented certificates on behalf of Sandy Laflamme (who was unable to attend) for all individuals and businesses having made donations last year.

Shawn presented an award of excellence to Heather Smith for exceeding her fundraising goals last year.

Tech session: A webinar was set up and Brian Sollis gave a talk about chilled beam technology. There was a bit of technical difficulty in getting the webinar set up, but with only about a 10-15 min delay Brian was able to complete his talk, and field questions.

The Essex served an excellent dinner as always.

Main Presentation: Tim Guiterman gave an overview of the newly proposed 2010 Vermont energy code. Tim fielded questions, and took input regarding the new verbiage. Tim reported that the hope was that a final draft of the new code would be released on Oct 15th 2010. Tim provided his contact information and was open to receiving comments up until Wed Oct 13th.

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

Thanks to the many investors who contributed to ASHRAE Research and Resource Promotion (RP) efforts this past year! It is largely due to the generosity of these individuals and companies that our Chapter achieved its 2009 – 2010 RP goal and subsequent PAOE points. Last year's Honor Roll Donors (donor contributing \$100 or more) and Major Donors (donors contributing \$500 or more) were recognized at our Chapter meeting last month by last year's RP Chair, Heather Condon Smith. Thanks to everyone who contributed!

We're off to a great start toward achieving our 2010 – 2011 goal and the many investors helping make this happen will be recognized in the November newsletter. Also coming in November is the ASHRAE Refrigeration Rack Systems seminar that will benefit ASHRAE RP. Thanks to Peter Bailey for pulling this educational fund-raiser together! I hope to see a lot of you there. The details are provided in the September CVC newsletter.

Again, thanks to each of you for helping make our '09 – '10 RP Campaign a success and for helping the '10 – '11 RP Campaign get off to a great start!

Sandy

, 2009 – 2010 RP Investors*:

M Scott Alexander
William E Atkinson, PE
Peter F Bailey
Stephen G Booth
Gerald A Chabot
Heather Lee Condon, LC
Michael R Cook
Joe Coutermarsh
Emily L. Cross
Thomas F Dacres, Jr
Glenn R Erb
Brian J Frary
Daniel J Gaherty
James M Harrington, PE
Graham C Hunter, II, AIA
Raymond M Keller
Stephen K Kreigh
Shawn R LaBelle
Sandra L LaFlamme
Ronald J Lafountain
Gretchen Langfeldt
Nathan D Mascolino
Giustino N Mastro, PE
Rick L Meunier
James A Moore
Amy K Patenaude
Len Pattison

Edward E Pearson, PE
Michael R Pelletier, PE
James N Pilliod
Stephen D Poole
Mary Jane M Poynter
Gustave S Presser
Charles B Rainville
John C Reilly, PE
Gordon W (Bill) Root, Jr, PE
Albert R Russell
Scott A Sabol
Linda A Samter
Ken Secor
Michael A Spasyk, PE
Matthew J. Tanis
Glenn R Thomas, PE
Peter C Tousley
Jon A Traver
Wayne J Vanasse
Sherry Wertheim
Thomas W Zoller, PE
Advanced Comfort Systems Inc
ARC Mechanical Contractors Inc
Bonhag Associates PLLC
Burlington Electric Department
Champlain Valley ASHRAE Chapter
Climate Systems Incorporated - Vermont
Control Technologies Inc - S Burlington
General Electric Foundation - Matching Gifts Fund
GWR Engineering
Hallam/ICS
Harry Hunt Architects
Light Space/Design
New England Air Systems Inc
Northern Architects, Inc.
Optimal Energy
Pearson & Associates
TCORP Inc
The Cushman Design Group, Inc.
The VLPA
Trinity Engineering Inc
Vermont Energy Investment Corp
Vermont Heating & Ventilating Company
Vermont Mechanical Inc

*If your name is missing, it may be that your donation is marked for the 2010 – 2011 RP Campaign. Please contact me at (802) 488-7597 if you don't find your name listed and it should be.

Treasurer's Report

As of today, October 19th, 2010, all bills are paid and our TD Bank checking account balance is \$17,667.91 - down from last month by \$104.95

As promised, I visited and gathered information from each of the following potential new meeting places: Holiday Inn, DoubleTree (Hilton), Windjammer (Best Western), and the Sheraton - all near, I-87 Exits 14E and W.

We also visited the Hampton Inn near Costco at Exit 16. If I missed one you'd like included, now is the time to speak up.

In order to review the prices and packaging each facility offers, an apples to apples comparison needs to be done. Unfortunately, each facility bundles some items others don't, and each offers options that are free or non-existent at others.

I expect to do a simple spreadsheet, and allow the numbers and accommodations to speak for themselves, perhaps in a week or two. Apples to apples is always best, IMO.

Ken Secor, Treasurer

Re-Tuning Commercial Buildings

A Low-Cost Path to Energy Savings

As cash-strapped Vermont businesses delay new equipment purchases or upgrades and contractors look for ways to expand their services, energy-saving building re-tuning has emerged as a win-win opportunity. Designed to optimize the operation and energy efficiency of existing HVAC systems, building re-tuning can prevent significant energy waste by ensuring that centralized controls are set to meet a facility's unique needs.

"Re-tuning appeals to Vermont business clients because it's a low-cost approach to notable operational savings," says Amy Patenaude of Efficiency Vermont. "It allows businesses to bring buildings back to proper, efficient operation without doing capital improvements."

According to Pacific Northwest National Laboratory, up to 20% of the energy used in commercial buildings is wasted because of improper operation. Re-tuning reduces energy use of HVAC systems by 5 to 20%.

Contractors trained in building re-tuning are able to:

- determine the feasibility of effective re-tuning through an assessment of building systems and controls, as well as a review of billing statements and utility usages;

- evaluate conditions and changes in the building, taking into account such factors as hours of operation, facility size, and the impact of activities in the building on the generation of heat, moisture, and airborne particulates;
- identify energy-saving opportunities;
- adjust HVAC systems and/or controls to save energy.

Contractors interested in learning more about re-tuning training opportunities can contact Amy Patenaude at Efficiency Vermont, toll-free, at 888-921-5990 ext 1167.

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 ad-

dition 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

By – October 27th, 2010

Award for Project Excellence



Shawn LaBelle and Pete Bailey presenting to Bill Heinz of Pizzagalli Properties the ASHRAE Region 1 Refrigeration Comfort Cooling Award for Project Excellence

Left to Right: Shawn LaBelle, Bill Heinz, Peter Bailey



VERMONT TECHNICAL COLLEGE

Part-time faculty

Architectural Engineering Technology

SPRING 2011 SEMESTER (January – May 2011)

Vermont Technical College is seeking a part-time Architectural Engineering Technology faculty member for Spring 2011 for the Randolph Center campus to teach Plumbing Systems.

The instructor for this course should be able to teach the basic practices and techniques for the design of plumbing systems in buildings. Emphasis is placed on the design and calculations for sizing sanitary waste and vent systems; domestic hot and cold water systems; water heaters; storm drainage systems; and fire sprinkler systems, as well as fixture selection.

Each topic includes discussion on materials and methods of construction and installation, code requirements, computer applications, specifications, and drafting symbols and standards. Two (2) hours of lecture, three (3) hours of studio per week.

Master's degree preferred plus experience in these subject areas as well as experience teaching adults.

To apply: Send Vermont Tech employment application, cover letter, and resume to:

Office of the Academic Dean
Vermont Technical College
PO Box 500
Randolph Center, VT 05061

Employment application is available on the Vermont Tech website www.vtc.edu.

Vermont Technical College is an EQUAL OPPORTUNITY EMPLOYER

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	
Pete Bailey T: (802) 434-2278	Scott Alexander T: (802)655-7628
Gretchen Langfeldt T: (802) 651-4114	Dick Wilcox T: (802) 655-8805
Sandy LaFlamme T: (888) 921-5990 x. 1097	

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Vice President	Tom Dacres T:(802) 318-3298 tomd@vhv.com
Secretary	Nathan Mascolino T:(802)655-8805 x.148 nathanm@vhv.com
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Administrator	Matt Tanis T: (802)860-4888 x.1228 mtanis@hallam-ics.com

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Resource Promotion	Sandy LaFlamme T:(888)921-5990 x.1097 slaflamme@veic.org
Technology Transfer	Mike Cook T: (802) 291-0911 mcook@arcmech.com
Refrigeration	Pete Bailey T: (802) 434-2278 pfbailey@deicontrols.com
Historian	Gretchen Langfeldt T: (802)651-4114 glangfel@hotmail.com
Newsletter Editor/ Webmaster	Natasha Yaryna T: (802)658-4891 nyaryna@hallam-ics.com

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

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



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