



The Champ Monthly Newsletter

of the Champlain Valley Chapter of ASHRAE

PRESIDENT'S MESSAGE



Hello Champlain Valley Chapter members of ASHRAE! I hope this newsletter finds everybody well and safe after Hurricane Sandy.

Although the Champlain Valley for the most part was spared by Sandy our heartfelt sympathy goes out to members and their friends and family that live in areas that were affected by this devastating storm. Please know that ASHRAE has resources in place to help our members as part of its Natural Disaster Relief Action Plan. These resources include various publications that may be helpful, such as the ASHRAE Position Document on Limiting Indoor Mold and Dampness in Buildings at www.ashrae.org/positiondocuments. In addition, waiving membership dues and replacing the current Handbook may be available as warranted and upon request.

As I mentioned last month we are currently looking to sponsor a community sustainability project in conjunction with a non-profit organization. We have narrowed our search to a few non-profit organizations we'd like to help and are asking our membership to donate Engineering services, commissioning services, HVAC/R installation labor, HVAC/R equipment donations, and start-up & testing, and other services. Please contact me at 802-861-6152 or tomd@vhv.com if your company is interested in helping with this great cause.

- Tom Dacres

Upcoming Events

4:00 pm: BOG Meeting @ Hampton

5:00 pm: Social Hour - Membership Promotion Night

6:00 pm: ASHRAE CVC Business

6:30 pm: Dinner @ Hampton

7:15 pm: Richard Vehlow - Region 1 RVC MP Presentation

7:30 pm: Natural Gas in VT. VT Gas future plan/ Fracking-Facts

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2012-2013 ASHRAE CVC MEETING CALENDAR

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September 5	October 3	November 7	December 5	January 9
<p>4:30 pm: BOG Meeting @ Hampton</p> <p>6:00 pm: Hydronic System Design & Boiler selection- Edward Sullivan (Weil McLain)</p> <p>7:00 pm: Dinner @ Hampton</p> <p>8:00 pm: Variable Speed pumping - Bill Reid Urell Inc</p>	<p>4:30 pm: BOG Meeting @ Hampton</p> <p>6:00 pm: Brattleboro Food co op - Andy Sapiro</p> <p>7:00 pm: Dinner @ Hampton</p> <p>8:00 pm: 2012 Fire & Building Safety Code - Bob Patterson</p>	<p>4:00 pm: BOG Meeting @ Hampton</p> <p>5:00 pm: Social Hour - Membership Promotion Night</p> <p>6:00 pm: ASHRAE CVC Business</p> <p>6:30 pm: Dinner @ Hampton</p> <p>7:15 pm: Richard Vehlow - Region 1 RVC MP Presentation</p> <p>7:30 pm: Natural Gas in VT. VT Gas future plan/ Fracking-Facts</p>	<p>4:00 pm: BOG Meeting @ Hampton</p> <p>5:00 pm: Social Hour - Holiday Mixer</p> <p>6:00 pm: ASHRAE CVC Business</p> <p>6:30 pm: Dinner @ Hampton</p> <p>7:30 pm: Sustainable Presentation Joint meeting with VGBN/ AIA</p>	<p>4:30 pm: BOG Meeting @ Hampton</p> <p>6:00 pm: Christopher M. McDonlad. IAQ & Mold: Legal Issues and Liability Concerns for Engineers & Related Industry Professionals</p> <p>7:00 pm: Dinner @ Hampton</p> <p>8:00 pm: ASHRAE Continuation of 6pm presentation</p>
February 6	March 6	April 3	May 1	
<p>4:30 pm: BOG Meeting @ Hampton</p> <p>6:00 pm: - TBD</p> <p>7:00 pm: Dinner @ Hampton</p> <p>8:00 pm: - TBD Meeting Theme: Variable Speed Primary Flow presentation</p>	<p>Time TBD</p> <p>Type of Meeting: Tour/ Dinner</p> <p>Meeting Theme: Joint meeting with RSES/ AIA. Facility Tour of the new Green Mountain Coffee Roaster - Essex Facility / dinner Q/A to follow</p>	<p>6:00 pm: - TBD</p> <p>7:00 pm: Dinner @ Vermont Technical College</p> <p>8:00 pm: - TBD</p> <p>Meeting Theme: Meeting at Vermont Tech College, joint meeting with student chapter.</p>	<p>5:30 pm: Tour + BBQ + MP night</p> <p>Meeting Theme: Tour of the Switchback Brewery new bottling line.</p>	



turn to the experts™ 

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TECHNOLOGY TRANSFER

Hello ASHRAE membership, I hope this newsletter finds everyone well into their fall/ winter preparation. As I write this the fall colors are brilliant, the air is clean and I can smell a hint of wood smoke in the air. By the time you read this it is likely that gravity will have taken care of the hillside color, and those who enjoy winter sports like myself will be starting to feel the itch.

I have an exciting announcement to make in regard to our upcoming programs. We have reached an agreement with an ASHRAE Distinguished Lecturer (DL), who is going to come and speak with our chapter in January. The January 2013 meeting will not be held on the first Wednesday of the month. It has been moved to the second Wednesday. The date will be the 9th. The DL who is coming is Christopher McDonald. His presentation topic is "IAQ & Mold: Legal Issues and Liability Concerns for Engineers

& Related Industry Professionals" Look for more detailed information about Christopher, and his topic in upcoming newsletters.

Last year we had a wildly successful December "Mixer" meeting and it is my hope to repeat that for this year. Look for an update on that in the next newsletter.

I attended the October 4th Public meeting of the Vermont Board of Professional Engineers. There are some exciting happening right now that have the potential to effect those of us in the HVAC world. During the October 4th meeting the board approved a proposed change to the Professional Engineering Statute. These proposed changes can be viewed at <http://vtprofessional.org/opr1/engineers/> It is important to note that these are "Proposed" changes. At this time no changes to the Statute have been made. The board is taking comment now and after taking comments and feedback will make a final revision. That final revision

will be sent on to be approved by the VT government. You can provide input and comment in a few ways. If you can email comments to pestatutes@sec.state.vt.us or you can attend a public hearing on the 8th of November at 1:30 pm at the office of Professional Regulation Conference Room at the National Live Building, North, FL2 Montpelier VT.

Get out there and rake those leaves.

- Nathan Mascolino

HISTORY

Historian's Note:

As Chapter Historian I wanted to make it known to any member who may have items of interest related to the HVACR profession and industry or other items of local historical importance that you are willing to donate or loan to our chapter please contact me. Items of interest could be old handbooks (say older than 1957 – which is the oldest I have seen in our current archives), photographs of chapter activities, design manuals, news articles, equipment, or anything else which maybe of historical relevance to the Champlain Valley Chapter. If by circumstance of your work, you come across an old HVAC system or pieces of equipment in a renovated building where it would not be feasible to stow away as a collectable, I would encourage you to take a picture and send it to me with information about the item or system. These artifacts and publications can be used as a basis for interesting displays at chapter and regional meetings or topics for newsletter articles to remind us of what we have accomplished and how technologies have advanced over time.

-Mike Cook

MEMBERSHIP PROMOTION

Hello Champlain Valley ASHRAE Chapter,

We are off to a great start for Membership Promotion. I am happy to report that we have 6 new members to welcome to the Champlain Valley Chapter. Thank you to Jared Kershaw of VHV, Rich Fredette of Urell, Ray Spears of Trane, Brent Weigel of Cx Associates, Scott Campbell of Vermont Fuel Efficiency Partnership and James Harrington from NE Air Systems for joining. We also welcome our 2 new Student Members, Esther Covey and Patricia Danahy from VTC. We look forward to meeting you at our upcoming meetings and encourage you to become involved in our Chapter.

This upcoming month's meeting will coincide with a Membership Promotion Night. As mentioned in last month's newsletter, we will be welcoming our Region 1 Membership Promotion RVC, Rich Vehlow to the meeting. Again, I encourage our Members to attend and bring along a guest to introduce them to our chapter. ASHRAE is built on its membership and we are constantly looking to grow. There will be incentive for Non-Members to attend the Membership Promotion Night. Please keep your eyes peeled for the meeting announcement for details.

Lastly, I encourage anyone who has not renewed your membership to do so. We have a number of delinquent members and would like to see this list shortened. The easiest way to renew your membership would be by visiting ASHRAE.org. Please contact me if you have questions. We are also looking for volunteers to join the Membership Promotion Committee. Please see me at this month's meeting if interested.

Thanks,
Josh Chiappone
Membership Promotion Chair

STUDENT ACTIVITIES

VTC Chapter

Committee Chair: Shawn LaBelle

Student Chapter Advisor: Chris Reilly

Student Chapter President: Kristen Gulrajani

During this past months chapter meeting 2011-12 awards and certificates from the Region 1 Chapter Regional Conference (CRC) were presented to the chapter officers and committee chairs. These awards and certificates represent the hard work and devotion our chapter officers, committee chairs, members, and student chapter give to our local chapter & ASHRAE. One of the awards that primarily stands out to me, not only because I excepted it at the meeting, is a Certification of Appreciation awarded to the Champlain Valley Chapter & the Students of Vermont Technical College for participation in the Student Design Competition - HVAC Design. The Vermont Technical College has won an ASHRAE Student

Design Competition award the past 3 years. This is a great accomplishment for Vermont Technical College and I hope they continue to participate in the competition.

Last meeting the students submitted to myself a yearly budget itemizing their expenses and fundraising goals for the year. This year the student chapter is sending 6 student members and Chapter Advisor Professor John Reilly to the 2013 ASHRAE Winter Conference. This year the Champlain Valley Chapter is sponsoring \$600 to the student chapter to help fund their trip to the 2013 Winter ASHRAE Conference.

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

Thanks!
- Shawn LaBelle



"VTC ASHRAE Student Chapter Tour of the Ben and Jerry's Factory"

VERMONT TECH ENGINEERING ASHRAE ORDER FORM

Pricing:

- \$18.00 T-Shirt
- For 2 or 3XL T-shirts add \$3.00

Colors:

- Black
- Gray
- Hunter Green
- Pink
- Orange
- Purple
- Red
- Yellow
- Navy Blue



Order:

Products:	T-Shirt
Size:	
Quantity:	
Color:	
Total Cost:	

Customer Name:

Email:

Phone#:

Building/Room #:

Payment can be cash or check. Please make checks payable to VTC and on the Memo line write ASHRAE. Orders can be dropped off Monday – Friday, anytime with Prof. Reilly in Green 121. DEADLINE for orders is Friday, November 16th. Orders should be available for pick up 2-3 weeks later.

RESEARCH PROMOTION

2012-2013
Progress!!!

Attached is a small example of what ASHRAE would be without your donations to RP. Most of you are probably familiar with this section of the ASHRAE Fundamentals handbook. Here is what it would look like if the research information was redacted from this page.

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CHAPTER 18

NONRESIDENTIAL COOLING AND HEATING LOAD CALCULATIONS

Cooling Load Calculation Principles	18.1	Heating Load Calculations	18.28
Internal Heat Gains	18.3	System Heating and Cooling Load Effects	18.32
Infiltration and Moisture Migration Heat Gains	18.11	Example Cooling and Heating Load Calculations	18.36
Penetration Heat Gain	18.14	Previous Cooling Load Calculation Methods	18.49
Heat Balance Method	18.15	Building Example Drawings	18.55
Radiant Time Series (RTS) Method	18.20		

HEATING and cooling load calculations are the [redacted] basis for [redacted]. These calculations affect the [redacted].

Cooling and heating load calculations can [redacted].

Simply put, heating and cooling loads are the [redacted]. Heating and air conditioning systems are [redacted].

Peak design heating and cooling load calculations, which are this chapter's focus, seek to determine the [redacted]. Similar principles, [redacted] as described in Chapter [redacted].

This chapter discusses [redacted] of cooling load calculation (e.g., [redacted] and [redacted] methods of [redacted]).

COOLING LOAD CALCULATION PRINCIPLES

Cooling loads result from many [redacted]. Building components or contents that [redacted] include the following:

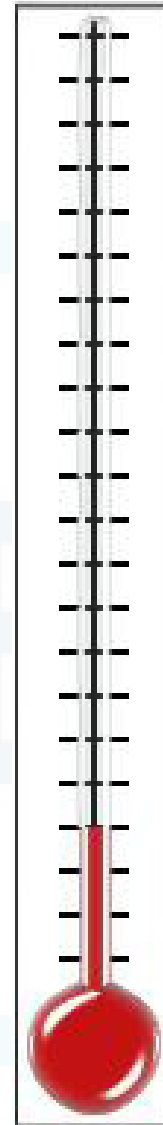
- External: [redacted]
- Internal: [redacted]
- Infiltration: [redacted]
- System: [redacted]

TERMINOLOGY

The variables affecting cooling load calculations are [redacted] often [redacted] and [redacted]. Many cooling load components [redacted].

The preparation of this chapter is assigned to T C [redacted].

18.1



\$7720

\$1100

\$0

Thank You
Rob Ward
RP Chair

TREASURE'S REPORT

AS of today, October 31, 2012 our TD Bank regular account is \$7,505.76 – up a bit from our previous months. All invoices have been paid

Our TD Bank CRC-2013 checking account has grown to \$881.29 due to receiving sponsorship money for our big event next year. We have not received our 2013 CRC seed money from Regional as of yet which should be arriving soon.

If at any time, anyone has any questions regarding our chapters financial status please don't hesitate to contact me.

Peter Bailey
ASHRAE CVC Treasurer

Leadership Quote of the Month

“Nearly all men can stand adversity, but if you want to test a man’s character, give him power.”

~ President Abraham Lincoln

CRC 2013

The CRC 2013 committee has been hard at work the last month securing sponsorships for CRC2013 in Burlington. To date we have secured \$18,950 in sponsorships from various companies. This includes Platinum sponsorships from Trane and Urell, and Gold sponsorships from Temperature Controls of Vermont and Efficiency Vermont. Please see the full list of sponsors in newsletter. These sponsorships are very important as they help defray the costs of attendance and allow us to add activities that we would not be able to do otherwise, making the CRC that much more memorable. If you would like to sponsor CRC2013, please contact me. All sponsors are recognized each month at the Champlain Valley Chapter meetings, as well as in our newsletter.

In the coming months we will be further planning all details of the CRC. We are meeting monthly. The committee currently includes Tom Zoller, Steve Poole, Dick Wilcox, Tom Dacres, Nathan Mascolino, Bill Atkinson, Shawn LaBelle, Mike Cook, Peter Bailey, and Gus Mastro. If you would like to join us or can help us in any way, please let me know.

- Tom Zoller



2013 August 15th thru 17th

Region One Chapter Regional Conference



On August 15-17, 2013, the Champlain Valley Chapter of ASHRAE will be hosting the Region 1 Chapter Regional Conference (CRC). The Conference will be held at the Hilton Hotel, 60 Battery Street, Burlington Vermont and will include the Presidential Dinner at the Echo Leahy Center located on the Lake Champlain waterfront.

Our Chapter is currently seeking sponsorships from all members and vendors to defray the costs associated with the CRC in an effort to reduce the costs for attendees of this event. Typically 100-150 Region 1 ASHRAE Members along with spouses and families attend the CRC. With help from our sponsors, not only will we be able to reduce the costs for members who typically attend the CRC, but also make the registration costs attractive for other members who normally would not consider attending the CRC. Burlington and our surrounding area has so much to offer and our goal is to provide all attendees of the CRC a most rewarding and enjoyable experience!!

The sponsorship levels are noted below with each identifying the benefits for the sponsors:

Platinum Level Sponsor: \$5,000

- Name and logo on tent sign at each table at CVC ASHRAE meetings the entire year.
- Name and logo on signs at CRC2013
- Name and logo on CRC2013 and ASHRAE CVC websites
- Name on CRC2013 brochures
- Special thanks at CRC2013 events
- Two tickets to Friday dinner
- Two tickets to Saturday Awards lunch
- Two tickets to Golf outing
- Listing in 2012-13 CVC Newsletter for CRC sponsorship

Gold Level Sponsor: \$2,500

- Name and logo on tent sign at each table at CVC ASHRAE meetings the entire year.
- Name and logo on signs at CRC2013
- Name and logo on CRC2013 and ASHRAE CVC websites
- Name on CRC2013 brochures
- Special thanks at CRC2013 events
- Listing in 2012-13 CVC Newsletter for CRC sponsorship

Silver Level Sponsor: \$500

- Name on tent sign at each table at CVC ASHRAE meetings the entire year. (No logo)
- Name on signs at CRC2013 (No logo)
- Name on CRC2013 and ASHRAE CVC websites (No logo)
- Name on CRC2013 brochures
- Listing in 2012-13 CVC newsletter for CRC sponsorship
- Special thanks at awards lunch only

Bronze Sponsor: Min \$150

- List in Newsletter and webpage.

Please note that ASHRAE Region 1 is the largest Region in the Society and covers a geographical area of New England, New Jersey and New York with a total of (15) Chapters. This will provide and benefit our sponsors with the largest potential exposure over any other Region within ASHRAE (the larger the Sponsorship Level, the greater the exposure)!!!

If you're interested in helping us sponsor our events, please contact Bill Atkinson, Dick Wilcox or Tom Zoller and they can help finalize the corporate information and Ad setup as applicable. We look forward to hearing from you and sincerely hope you'll consider a sponsorship for this event. As always your donations are tax deductible, the ASHRAE Champlain Valley Chapter is a registered 501(c) (3) charitable organization.

Tom Zoller
CRC 2013 Chairperson
Tel. No.: 802-864-3816 (ext. 2)
Email: TZoller@trane.com

Bill Atkinson
CRC 2013 Committee Member
Tel. No.: (802) 264-1141
Email: Bill.Atkinson@VTMechanical.com

Dick Wilcox
CRC 2013 Committee Member
Tel. No.: (802) 861-6181
Email: DWilcox@vhv.com.com



Thank you to the following companies for their generous sponsorship of the upcoming Region 1 Chapter Regional Conference – August 15-17, 2013
Burlington, VT

Platinum Level (\$5,000 minimum)



TRANE

URELL

Building Partnerships that Work.

Gold Level (\$2,500 minimum)



WEIL-McLAIN

Silver Level (\$500 minimum)

Vermont Heating and Ventilating
Multistack
Vermont Mechanical
F.W. Webb
Blake Group

Quality Air Control
Daikin AC
L.J. Early
Yeaton Associates

Bronze Level (\$150 Minimum)

R.F. Peck
ARC Mechanical

Control Technologies

2012-2013 Board of Governors



BOG MEETING MINUTES

October 3, 2012 BOG Meeting Minutes

Date: 10/03/2012

Location: Hampton Inn, Colchester VT

Time Called to Order: 4:38pm

Called to Order By: Tom Dacres

Minutes Recorded By: Rob Ward, Secretary

ATTENDANTS

Tom Dacres	VHV
Mike Cook	ARC Mechanical
Nathan Mascolino	VHV
Robert J. Favali	DuBois & King, Inc
Rob Ward	VHV
Shawn Labelle	Vermont Mechanical Inc
Joshua Chiappone	Johnson Controls Inc
Dick Wilcox	VHV
Tom Zoller	Trane
Peter Bailey	Dodge Engineering & Controls

LAST MEETING MINUTES

A motion was made by Mike C. to approve September 2012 Meeting Minutes. It was seconded by Shawn L. and the motion was carried.

OFFICER REPORTS

A.) PRESIDENT: TOM DACRES

a) Tom stated that you must sign in at the CRC or you will not be reimbursed for attending

b) Tom stated that since our chapter has 13 members that are residents of N.Y. we must fill our added paperwork and pay a one time fee to maintain our non profit status. Tom is working with Peter Bailey on the paperwork. ASHRAE on the society level has hired a 3rd party firm to help file

the appropriate paperwork for each chapter.

c) Tom mentioned that the awards from the CRC would be given out at the dinner meeting.

d) There was a general discussion about the CRC 2013 promotion video and the challenges with linking it on our website.

e) Tom started with a brief recap on what the MOE was and Nathan Mascolino finished with what ASHRAE society's level stance was. Nathan then passed around a form asking all of those that agreed with the stance to sign it.

f) Tom reported on where we stand as a chapter as far as PAOE points. He asked that everyone be sure to keep their totals up to date.

g) Tom asked that all newsletter articles be in to him by October 12th

h) Tom stated that he is currently looking for volunteers for the Presidential Theme project. He mentioned a specific project that he thought would be a good candidate.

B.) PRESIDENT ELECT- NATHAN MASCOLINO – CTTC CHAIR

a) Nathan would like to change the January meeting to the 9th to avoid any possible conflict with the holiday.

b) Tom Dacres noted that the meeting format will change a bit by starting the general meeting at 5pm and move the dinner up to 6:15pm. The BOG meeting will begin at 4pm.

C.) VICE PRESIDENT – ROB FAVALI

a) Nothing new to report

D.) TREASURER – PETER BAILEY

a) Peter mentioned that Member dues have increase and posed the question of whether increase chapter dues or not. The majority of attendees of the BOG we in agreement that now would not be a good time to increase chapter dues.

b) Peter asked the BOG if anyone thought there was a better time to bill for the business card adds that are on our website. It was agreed that the current billing cycle would remain.

E.) CHAPTER SECRETARY – ROB WARD – RESEARCH PROMOTION CHAIR

a) Rob made a motion to purchase a new chapter banner for the amount not to exceed \$175. The motion was seconded by Tom D. A majority of the attendees were in favor. The motion was approved.

b) Rob mentioned that donations for full circle were due by November 1st.

F.) HISTORY – MIKE COOK

a) Nothing new to report

G.) TREASURER – PETER BAILEY

a) Peter met with Cara on how the flow of information we was to work for our website. He stated that items should not be sent to Cara but everything should be sent through Dick Wilcox or himself.

H.) ELECTRONICS COMMUNICATION CHAIR – RACHAEL MASCOLINO

a) Nothing new to report

I.) MEMBERSHIP PROMOTION CHAIR – JOSHUA CHIAPPONE

a) Josh presented a rough idea for an incentive program to increase meeting attendance by non members with the goal to increase membership. He passed around a bulleted list of way of how the proposed system would work along with a point system. A general discussion followed.

J.) STUDENT ACTIVITIES – SHAWN LABELLE

a) Shawn started by distributing a spreadsheet that he helped the student chapter create that laid out their budget for the 2012-13 year.

b) Shawn stated that the student chapter would like to send 7 of its members to the ASHRAE Winter Conference.

c) The student chapter is looking for a donation from CVC to help offset the cost of the trip. Shawn will provide more details at a later date.

d) Nathan M. made a motion to donate \$600 to help cover dinner & club t-shirts for the event. The motion was seconded by Rob Favali. The motion was passed.

OLD BUSINESS:

None

NEW BUSINESS:

None

MEETING ADJOURNED

A motion was made by Tom Dacres to adjourn the meeting. It was seconded by Rob Ward and the motion was carried. The meeting adjourned @ 5:55 PM.

GENERAL MEETING

October 3, 2012 General Meeting Minutes

Date: 10/03/2012

Location: Hampton Inn, Colchester VT

Minutes Recorded By: Rob Ward, Secretary

ATTENDANTS

Tom Dacres	Vermont Heating and Ventilating
Mike Cook	ARC Mechanical
Nathan Mascolino	Vermont Heating and Ventilating

Robert J. Favali	DuBois & King, Inc
Rob Ward	Vermont Heating and Ventilating
Shawn Labelle	Vermont Mechanical Inc
Joshua Chiappone	Johnson Controls Inc
Dick Wilcox	Vermont Heating and Ventilating
Tom Zoller	Trane
Peter Bailey	Dodge Engineering
Scott Alexander	LN Consulting
Jay Pilliod	Efficiency Vermont
Michael VanHorn	Control Technologies
Brian Reilly	Pearson & Associates
Ray Hickey	Advanced Comfort Systems
Harris Unger	Advanced Comfort Systems
John Lincoln	Burlington Electric Dept
Corey Griffiths	Vermont Mechanical
Martha Soule Holden	Vermont Heating and Ventilating
Steve Kreigh	Mylan Technologies
Nick Rock	Control Technologies
Steve Dumas	DuBois & King
Tyler Devoe	Life Safety Systems, Inc
Joe Coutermarsh	JFPCS
Ray Keller	VT Gas
Jesse Robbins	Freeman French and Freeman
Charles Veronneau	Control Technologies
Brian Reilly	Pearson & Associates
Howard Merson	Efficiency Vermont
James Ashley	Green Mountain Geothermal
Scott Harrington	Vermont Gas
William Moore	TCorp
Cara Gorman	ASHRAE CVC Newsletter Editor
Mike Spasyk	Dubois & King
Robert Patterson	Department of Public Safety
Andy Shapiro	Energy Balance
Len Pattison	Control Technologies
Richard Travers	Free Air

Tom Dacres presented the following awards for last year's achievements:

- Champlain Valley PAOE Awards – Honor Roll, Star, Special Citation – Michael R. Cook President
- Champlain Valley Research Promotion – Rob Ward -Full Circle, Goal, High Five, Challenge
- 2011-2012 ASHRAE Region 1 CTTC -Award of Excellence – Tom Dacres
- 2011-2012 ASHRAE Region 1 Black Ink Award “The Champ” – Cara Gorman
- 2011-2012 ASHRAE Region 1 Websitation of Excellence – Cara Gorman and Rachael Mascolino
- 2011-2012 Certificate – Participation in Student Design Competition, HVAC Design – Shawn LaBelle and VTC Student Chapter
- 2010-2011 ASHRAE Region 1 CTTC PAOE Sustainability Award – Michael R. Cook

Tom Dacres continued the meeting by introducing the first presenter.

TECH SESSION

Andy Shapiro of Energy Balance presented on the Brattleboro Food Coop Project.

There was a break for dinner after the first presenter was finished.

MAIN PRESENTATION

Bob Patterson with the State of Vermont did a brief overview of the new building code changes. It was followed by a question and answer session.

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

The meeting was started off with Tom Dacres introducing Tom Zoller as head of the CRC 2013 planning committee. Tom Zoller started by explaining what the CRC was and then played the video that was presented at the 2012 Boston CRC.

MEETING PHOTOS

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REQUEST FOR SDT PT FACULTY ADVERTISEMENT FOR S'13

Vermont Tech's Sustainable Design and Technology program is looking for a part-time faculty person to teach a three-credit course this spring semester 2013, SDT-4110 Building Controls and Commissioning. This senior level course is also open to students in the college's Architectural Engineering Technology program. The course is scheduled as a weekly four-hour meeting and students are located in Randolph Center. However, the course could be offered over Vermont Interactive Technology or via Adobe Connect from Vermont Tech's Williston campus. We have some flexibility in terms of what day the course is offered.

SDT 4110 BUILDING CONTROLS & COMMISSIONING (3) - FALL REQUIREMENTS

This course in the Green Buildings technical core looks at two important areas for sustainable commercial buildings: integrated control systems and the hands-on 'fine tuning' that is essential for a building to operate efficiently. The first part of the course will concentrate on an overview of digital control systems (electrical circuits and basic system design). The second part of the course focuses on the detailed knowledge needed for the emerging field of building commissioning, now a requirement of the LEED certification process; 2 hours of lecture, 2 hours of laboratory per week. Prerequisite: ARC 3010 and SDT 3110, concurrent enrollment in ARC 4030

ASHRAE RESOLUTION ON ADDITIONAL LICENSURE

Whereas, The National Council of Examiners for Engineering and Surveying developed a model law requiring an additional 30 credit hours for obtaining licensure as an engineer.

Whereas, The typical scope of an ABET Accredited bachelor's degree can and has been demonstrated to accommodate technical breadth and flexibility and the intellectual skills necessary for engineering graduates to fulfill all requirements necessary to become licensed as a Professional Engineer.

Whereas, Committing an additional year to obtain an extra thirty (30) credit hours would be a very significant deterrent for many engineers who might otherwise pursue an engineering degree.

Whereas, The current system of examinations and supervision in practice are workable, effective and adaptable resulting in highly competent professional engineers.

Whereas, Technological change is continuous and must be maintained over a professional engineering career.

Whereas, Professionalism and continuous education across the decades of an engineering career are essential.

Whereas, ASHRAE will continue to develop educational programs that assure its members remain at the forefront of engineering practice and technologies.

Resolved, The ASHRAE Board of Directors opposes efforts to increase educational requirements for engineering licensure and encourages states and licensing boards to reject such proposals for the aforementioned reasons.

(Approved by ASHRAE Board of Directors on June 22, 2008)

VT LICENSING BOARD NEWS

The PE Board is currently reviewing and updating the States Professional Engineering Statutes. There will be two public meetings scheduled to discuss these revisions. A draft of the revised statutes will be available on the website approximately 30 days prior to the meetings they can be found here <http://vtprofessionals.org/opr1/engineers/>. The meeting specifics will also be posted, and written notices will be sent out to all licensed Professional Engineers in the state.

The board has also recently had information presented to it on the Bachelors plus 30 initiative that is being supported by NCEES and the American Society of Civil Engineers. There is a push nationally to get states to adopt this policy which will require a masters degree or equivalent from an ABET or EAC program prior to allowing someone to apply for licensure. The Bachelors plus 30 initiative policy has already been written into the NCEES (National Council of Examiners for Engineering and Surveying) model laws. We are being actively encouraged to be the first state to adopt this policy, and would encourage people to step up and voice their opinions.

There are many websites that are actively supporting or opposing this change to the licensing laws the two most prominent are www.raisethebarforengineering.org and www.licensingthatworks.org

ASHRAE has published a document stating its official position opposing the initiative, and has supported the ASME position paper on the topic. I would encourage any and all of you to attend any of our board meetings or these public sessions to voice your opinion on these matters.

The board's function is to set and enforce the Policies required for Engineering Licensure for the state and to protect the Public Health, Safety, and Welfare.

Sincerely,
Bill Atkinson PE
State of Vermont Professional Engineering Board Chair
802-264-1141 Office
802-373-9436 Cell

TAKE ACTION

The VT Engineering statutes are currently being revised by the board, and there will be two public meetings coming up which would be the ideal opportunity to get some conversations on this topic. The meetings will be **November 1st** and **December 6th** in Montpelier. If CVC members could make one or both of these meetings, that would be extremely helpful.

IAQ 2013 EXAMINES ENVIRONMENTAL HEALTH IN LOW ENERGY BUILDINGS

For Release:
Oct. 9, 2012

Contact: Jodi Scott
Public Relations
678-539-1140
jscott@ashrae.org

IAQ 2013 Examines Environmental Health in Low Energy Buildings

ATLANTA-ASHRAE announces a call for abstracts for IAQ 2013, Environmental Health in Low-Energy Buildings. The conference will examine IAQ, thermal comfort, source control, air cleaning, ventilation, exposure and related environmental health concerns associated with low energy building design, construction, retrofit and operation.

The conference, IAQ 2013, Environmental Health in Low-Energy Buildings, takes place Oct. 15-18, 2013, in Vancouver, British Columbia, Canada. This conference is co-organized by ISIAQ and is the 17th in the ASHRAE IAQ conference series.

“Besides addressing thermal comfort and other IEQ issues, buildings and other enclosed spaces are increasingly challenged to provide a healthy environment while focused on minimizing energy use intensity,” Steve Emmerich, conference co-chair, said.

“The complex relationship between indoor and outdoor environmental conditions, coupled with the impacts of climate change, requires a paradigm shift towards creating buildings that are not only comfortable but also healthy for the occupants while minimizing energy consumption and greenhouse gas emissions,” Hal Levin, co-chair, added.

Levin noted that increasing energy consumption is only one way to achieve the goal of improved IAQ and thermal comfort. It can also be achieved without significant increase or even with decreased energy consumption. However, the current focus on energy efficiency often results in insufficient consideration of the environmental health impacts of reduced energy efficiency use in buildings.

IAQ 2013 will review the state of knowledge of the balance of environmental health and energy efficiency in buildings and help define future education, policy and research directions. The roles of building, HVAC and passive system design and operation for achieving good environmental health in low energy buildings (both new and retrofit) are the core themes of this conference.

The conference program will include internationally acclaimed keynote speakers, original peer reviewed conference papers and extended abstract presentations. Abstracts are invited in the following subject areas:

- * Environmental Health in Low Energy Buildings
- * Moisture and Health
- * Sources and Chemistry
- * IEQ Factor Interactions
- * Residential Buildings
- * Commercial and Institutional Buildings
- * Air Cleaning and Filtration
- * Microorganisms and Infection
- * Tools (models, measurements and more)

For more detailed descriptions of each of the topic areas, visit www.ashrae.org/iaq2013. The deadline for abstracts is Dec. 15, 2012. Abstracts, containing titles and 300 words or less summaries, should be submitted via the submission for at www.ashrae.org/IAQ2013.

For more information e-mail IAQ2013@ashrae.org or visit www.ASHRAE.org/IAQ2013.

2013 EFFICIENCY VERMONT AWARDS

2013 Efficiency Vermont Awards

Entries are now being accepted for the 2013 Best of the Best in Commercial Building Design & Construction Awards, recognizing innovative and integrated design approaches for energy efficiency in Vermont's commercial, institutional, industrial, and multifamily buildings. Awards will be presented in the categories of New Construction and Major Renovation (Gut Rehab).

All entries will be showcased at Efficiency Vermont's Better Buildings By Design 2013 conference, taking place February 6 and 7, at the Sheraton Conference Center in Burlington, Vermont. In addition, winners will receive a framed certificate of recognition along with promotion in a variety of trade and consumer media outlets, including Vermont Business Magazine and aiaVT's member newsletter.

For complete details, including eligibility and submission requirements, and the official entry form, visit www.encyvermont.com/awards. Completed entries are due by November 16, 2012.





Applications Now Being Accepted for HVAC Design Scholarship

The ASHRAE Learning Institute is hosting a three-day HVAC Design Essentials Training that allows attendees to gain the fundamentals and technical aspects to design, install and maintain HVAC systems. The workshop will be held January 14 – 16, 2013 at ASHRAE Headquarters in Atlanta.

To encourage attendance by young professional ASHRAE members, the YEA Institute offers one full scholarship for attendance to the HVAC Design Level I Training: Essentials. The full cost of registration to Level I of this workshop will be covered by ASHRAE.

Criteria: All applicants must be ASHRAE members and 35 years of age or younger as of January 31, 2013 (*student members are not eligible*). Applicants will be reviewed based on contribution to the industry, ASHRAE involvement and career goals.

Deadline: All applications must be received by the close of business on Monday, November 12, 2012. Please complete the online application [here](#) and submit to Rhiannon Loomis at Rloomis@ashrae.org or mail to Rhiannon Loomis, 1791 Tullie Circle, Atlanta, GA 30329.



ASHRAE Webcast to Focus on Building Energy Performance

ASHRAE's upcoming webcast, titled **Assessing Building Energy Performance: From Principles to Practice**, will broadcast live on **April 18, 2013, from 1:00 – 4:00 pm EDT**. This **FREE** webcast is brought to you by the Chapter Technology Transfer Committee.

“This webcast will focus on the importance of building energy performance and its far reaching implications in both new and existing buildings,” said Andy Cochrane, Chair of the CTTC Webcast Ad Hoc Committee. “This program will help participants to recognize the opportunities that Assessing Building Energy Performance (ABEP) presents. From recognizing the different approaches, team skills, and knowledge needed to properly assess building energy performance, to the application of ASHRAE building audit levels, this webcast will provide viewers with an understanding of ABEP principles and practical application knowledge.”



The webcast presenters are: Christopher Mathis, President, MC Squared, Asheville, NC, Drury Crawley, Ph.D, Director of Building Performance, Bentley Systems, Washington, DC and Jim Kelsey, LEED AP, PE, BEAP, Principal, kW Engineering, Oakland, CA.

Online registration for the webcast will begin on March 18, 2013. For more information on the webcast program, sponsorship opportunities, continuing education credits, and ASHRAE resources related to assessing building energy performance, visit www.ashrae.org/ABEPwebcast. If you have questions about the webcast, call 678-539-1200 or email ashrae-webcast@ashrae.org.



Register For the ASHRAE Winter Conference!

Plenary Speaker Tells Story of Perseverance

Have you registered for ASHRAE's 2013 Winter Conference, Jan. 26-30 in Dallas, Texas? **Register by Nov. 4 and save!**

From its strong technical program to the first-hand experiences offered by its technical tours, the ASHRAE Winter Conference gives attendees opportunities for examining and discussing the latest technology. And don't miss Plenary Session keynote speaker Rocky Bleier.



Bleier had just been drafted for the Pittsburgh Steelers in 1968 when he received a different kind of draft: combat duty for Vietnam. Though he was wounded in both legs while fighting overseas, Bleier embarked on a two-year road to recovery, and eventually pressed on to become one of the Steelers' top leading ground-gainers, passing the 1,000-yard rushing mark in one season and contributing to four Super Bowl victories. His speech, "Be the Best You Can Be," motivates audiences to keep on striving for greater accomplishments.

Bleier shares his remarkable story during the Plenary Session, Saturday, Jan. 26. For more information, visit <http://www.ashrae.org/dallas>.

Specialty Conference Brings Important Topic to Attendees

The principal objective of the Seventh International Cold Climate HVAC Conference, Nov. 12-14, 2012 Calgary, Alberta, Canada, is to provide key elements of a strategy by which scientists, designers, engineers, manufacturers and other decision makers in cold climate regions can achieve good indoor environmental quality (IEQ), with a minimum use of resources and energy.

Some 60 peer-reviewed papers presented by diverse, international authors showcase world-wide perspectives and practices in cold climate design. The Scandinavian Federation of Heating, Ventilation and Sanitary Engineering Associations (Scanvac) and the Federation of European Heating and Air-Conditioning Associations (REHVA) are conference co-sponsors. To register, visit www.ashrae.org/ColdClimate

Young Engineers in ASHRAE (YEA) Hosts Hospitality Suite in Dallas

Attention young professional members age 35 and younger! You are invited to visit the YEA Hospitality Suite on Sunday, Jan. 27, from 4-7 p.m. The suite offers social and networking opportunities and light refreshments are served



*New Faces of Engineering: College Edition***Encourage a Student to Apply for Scholarship and Recognition**

The program recognizes outstanding junior or senior (defined as third, fourth or fifth year) ASHRAE student members enrolled in a Bachelor of Science in Engineering program from an ABET Accredited school who are proving themselves to be leaders in the field of engineering. The winner will receive a \$1000 **scholarship** and have their profile featured on the New Faces of Engineering: College Edition's Facebook page.

Applicants must “like” the New Faces of Engineering: College Edition Facebook page in order to apply.

To apply to be ASHRAE's New Face of Engineering: College Edition, you must:

- be an ASHRAE member
- be a junior or senior (defined as third, fourth or fifth year) engineering student as of Sept. 1, 2011
- be enrolled in a Bachelor of Science in Engineering program from an ABET Accredited school
- answer four short questions about your experience as an engineering student
- submit one professional-quality head and shoulders photo of yourself in business attire. Photos must be high resolution (300 dpi) to ensure the file size is near 1 MB.

ASHRAE's student New Face of Engineering would demonstrate academic excellence, with a GPA of 3.0 or higher, hold leadership positions within university student organizations, have outstanding communication skills, have a record of some non-engineering related community service and have a proven track record of involvement in the engineering industry. The New Face of Engineering will receive a \$1000 scholarship from ASHRAE. More information can be found [here](#).

Grants Promote the Industry and Gain Recognition For Students

The HVAC&R industry is constantly making strides to improve the technology that makes everyday living possible and better. ASHRAE relies on the research and efforts of young engineers and architects to make advances in the field that will make a difference for future generations.

The ASHRAE Senior Undergraduate Grant Program offers students at schools all over the world an opportunity to work on projects that increase their knowledge of the industry. With support and assistance from university faculty, senior undergraduates can work on an ASHRAE-related topic with funding from ASHRAE up to \$5,000 per project.

Applications for the grant must include details about the project and are to be submitted online by faculty in order to be considered. Projects involving the building of working models, testing equipment, experimental teaching aids, and laboratory experiments are encouraged. Grants may cover projects lasting from one academic term up to one year.

The deadline for application submissions is December 17, 2012. Applicants will receive notification of their application status by February 18, 2013. The highest ranking team will be awarded a trip to the 2014 Winter Conference to present their project at the student program. For complete information on the ASHRAE Senior Undergraduate Grant Program, go [here](#).



ASHRAE Learning Institute

Seminars & Courses at ASHRAE's Winter Conference and AHR Expo in Dallas, TX

2 WAYS TO REGISTER

Internet: www.ashrae.org/dallascourses

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

Full-Day Professional Development Seminars

\$485/\$395 ASHRAE Member -- Earn 6 PDHs/AIA LUs or .6 CEUs

The Commissioning Process in New & Existing Buildings
Saturday, Jan 26 – 8:00 a.m. to 3:00 p.m.

Complying with Standard 90.1-2010
Tuesday, Jan 29 – 9:00 a.m. to 4:00 p.m.

Data Center Energy Efficiency
Saturday, Jan 26 – 8:00 a.m. to 3:00 p.m.

Energy Modeling Best Practices and Applications: HVAC/Thermal
Tuesday, Jan 29 – 9:00 a.m. to 4:00 p.m.

Healthcare Facilities: Best Practice Design & Applications
Saturday, Jan 26 – 8:00 a.m. to 3:00 p.m.

Half-Day Short Courses

\$159/\$119 ASHRAE Member -- Earn 3 PDHs/AIA LUs or .3 CEUs

Air-to-Air Energy Recovery Fundamentals
Sunday, Jan 27 – 2:00 p.m. to 5:00 p.m.

Commissioning Process & Guideline 0
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

Humidity Control: Applications, Control Levels and Mold Avoidance
Sunday, Jan 27 – 2:00 p.m. to 5:00 p.m.

Evaluating the Performance of LEED®-Certified Buildings
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

Air-to-Air Energy Recovery Applications: Best Practices
Monday, Jan 28 – 8:30 a.m. to 11:30 a.m.

Optimization of HVAC Systems & Components: Techniques & Real-World Examples
Tuesday, Jan 29 – 9:00 a.m. to 12:00 p.m.

Application of Standard 62.1-2010: Multiple Spaces Equations & Spreadsheet
Monday, Jan 28 – 8:30 a.m. to 11:30 a.m.

Energy Management in New and Existing Buildings
Tuesday, Jan 29 – 9:00 a.m. to 12:00 p.m.

Combined Heat & Power: Design through Operations
Monday, Jan 28 – 8:30 a.m. to 11:30 a.m.

Avoiding IAQ Problems
Tuesday, Jan 29 – 9:00 a.m. to 12:00 p.m.

Understanding Standard 189.1-2011 for High-Performance Green Buildings
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

Designing Toward Net Zero Energy Commercial Buildings
Tuesday, Jan 29 – 1:00 p.m. to 4:00 p.m.

Introduction to Ultraviolet Germicidal Irradiation (UVGI) Systems
Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

Understanding & Designing Dedicated Outdoor Air Systems
Tuesday, Jan 29 – 1:00 p.m. to 4:00 p.m.

Laboratory Design: The Basics and Beyond
Tuesday, Jan 29 – 1:00 p.m. to 4:00 p.m.

HVAC Design Training

Jan 14-18, 2013 • Jan 30-Feb 1, 2013 (Level I only) • Mar 18-22, 2013 • Jun 3-7, 2013 • Aug 12-16, 2013

HVAC Design: Level I - Essentials

Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II - Applications

Developed by industry-leading professionals, the workshop provides participants with advanced level information about designing, installing and maintaining HVAC systems that can be put to immediate use. Participants will gain an in-depth look into Standards 55, 62.1, 90.1, and 189.1 and the Advanced Energy Design Guides, as well as a range of other HVAC topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

Visit www.ashrae.org/hvacdesign to register

2012 CRC AWARDS

Here are the (7) awards the Champlain Valley Chapter received at the 2012 CRC in Boston on August 25, 2012 during the awards luncheon.

- ▶ Champlain Valley Research Promotion – Rob Ward -Full Circle, Goal, High Five, Challenge
- ▶ Champlain Valley PAOE Awards – Honor Roll, Star, Special Citation – Michael R. Cook President
- ▶ 2011-2012 ASHRAE Region 1 CTTC -Award of Excellence – Tom Dacres
- ▶ 2011-2012 ASHRAE Region 1 Black Ink Award “The Champ” – Cara Gorman
- ▶ 2011-2012 ASHRAE Region 1 Websitation of Excellence – Cara Gorman and Rachael Mascolino
- ▶ 2011-2012 Certificate – Participation in Student Design Competition, HVAC Design – Shawn LaBelle and VTC Student Chapter
- ▶ 2010-2011 ASHRAE Region 1 CTTC PAOE Sustainability Award – Michael R. Cook

Congratulations to the efforts of the entire 2011 – 2012 Champlain Valley Chapter team including Officers, Board of Governors, Committee Chairs and volunteers for a successful year!

2012-2013 PRESIDENTIAL NEWSLETTER

DATE: April 12, 2012

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: Thomas E. Watson, PE

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 built environment and a resource everywhere in the world.

My Presidential theme, “Broadening ASHRAE’s Horizons” emphasizes the role of ASHRAE members as leaders in the application of sustainable design and practices in our communities worldwide.

This marks the seventh 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 and guides our daily decisions.

Several new activities have been added to support the presidential theme and they focus on community involvement.

50 points for grassroots advocacy training for chapter officers and future leaders (minimum 1 hour of training) (100 points maximum)

50 points for establishing and maintaining a chapter grassroots advocacy committee with at least two members to promote ASHRAE with state, provincial, and local governments

50 points for establishing a Chapter Sustainability Committee that meets periodically that organizes at least two HVAC&R related sustainability activities per year

50 points for chapter publicity that includes issuing at least six (6) press releases or arranging one (1) or more TV appearances promoting the work of ASHRAE (150 points maximum)

500 points for chapter sponsored community sustainability project or event in conjunction with a non-profit organization (Note: ASHRAE provided Community Sustainability Project Tool Kit is available to assist.)

100 points for chapter sponsored community sustainability project publicity (outside of normal Chapter advertisements) that includes Print, Audio or Electronic media at a local, state, provincial, national or industry level promoting the work of ASHRAE and/or the local chapter (500 points maximum)

25 points for chapter officers or MP Chair promoting ASHRAE membership to local companies (e.g. reception, one/one meeting, company presentation) in order to increase their support in ASHRAE (150 points maximum)

25 points for each article (minimum 250 words) on a grassroots advocacy-related (i.e., state provincial, or local legislative or regulatory issue) published in a chapter newsletter or posted on a chapter website with copy sent to RVC (maximum of two articles per month) (300 points maximum)

There are six categories included in this year’s PAOE: Chapter Operations, Chapter Technology Transfer, Historical, Membership Promotion, Research Promotion, and Student Activities. To achieve PAOE, the chapter must earn the minimum points in four of the following five categories: Chapter Operations, Chapter Technology Transfer, Membership Promotion, Research Promotion, and Student Activities. Please refer to the criteria specified in each of the categories for calculating the PAOE points. For additional information or clarification, check the PAOE Frequently Asked Questions (FAQ) section on the ASHRAE website. Please note that appropriate documentation should be kept by the Chapter to support PAOE point input, and that “chair” is defined as the individual listed in the Chapter Information Questionnaire (CIQ) on file with Society.

I appreciate your dedication, enthusiasm and hard work in improving our Society and providing value to our membership. I look forward to working with you during this Society year.

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	2012-13
Membership Promotion	800	0
Student Activities	500	0
Technology Transfer	850	100
Research & Promotion	1050	0
History	300	100
Chapter Operations	600	405
Chapter TOTAL	4100	605

2012-2013 BOARD OF GOVERNORS

Joshua Chiappone T: (518) 817-8669 joshua.j.chiappone@jci.com	Shawn LaBelle T: (802)862-5900 x146 shawn.labelle@vtmechanical.com
Rachael Mascolino T: (802) 540-7846 rmascolino@veic.org	Mike Cook T: (802) 291-0911 mcook@arcmech.com
Dick Wilcox T: (802) 655-8805 dwilcox@vhv.com	

2012-2013 CHAPTER OFFICERS

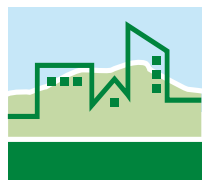
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Secretary	Robert Ward III, LEED AP (802) 861-6194 robw@vhv.com
Treasurer	Peter Bailey (802) 434-2278 pfbaily@deicontrols.com

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2013 CRC Vice Chair	Steve Poole (802)861-6133 spoole@vhv.com

Subscription to the newsletter and membership questions should be directed to Joshua Chiappone (518) 817-8669 or joshua.j.chiappone@jci.com

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