



THE CHAMP

monthly newsletter

of the Champlain Valley Chapter of ASHRAE

PRESIDENT'S MESSAGE



October in Vermont is brilliant. People from around the world come to see. I love it. This year has been no disappointment, great weather, amazing color and excellent apples.

I thank you all who attended the October meeting. The Hampton provided a great meal, and Len Damiano gave two excellent presentations. The November meeting will be on 6th. If you have not put it on your calendar yet... you should. Trevor Gensch from Daikin is going to join us to present on an "elephant in the room" topic. Variable refrigerant flow (VRF) design and compliance with ASHRAE standard 15. If you sell, design or occupy space that is served by VRF systems this presentation is for you. The November meeting will be a single topic meeting, this will allow Trever to go into a bit more detail than a 50 minute presentation would allow. The Hampton will provide a nice meal and we will have everyone on their way home earlier than a standard meeting night.

We will be hosting a joint meeting in November with the local RSES chapter and in addition to that it will be our fall membership promotion night! Keep an eye on the webpage, and look for the meeting announcement to see what the membership committee has up their sleeves.

I am excited about having a full CRC report in this newsletter. I mentioned the CRC last month and shared all of the awards we won, but this month we have the full report and a few more photos. I

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ASHRAE CVC UPCOMING EVENTS

WEDNESDAY NOVEMBER 6, 2013

***Trevor Gensch, Daikin "VRF Design Compliance with ASHRAE 15"**

RSES Joint Meeting MEMBERSHIP Promo Night

- 4:30pm | BOG Meeting**
- 6:00pm | General Meeting**
- 7:00pm | Dinner Break**

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hope everyone enjoys it. I would like to thank Mike Cook for taking the time and putting in the effort to pull this together. Great job Mike.

I mentioned last month that one of my goals for this ASHRAE year was to advance our Facebook page. We are working in that direction and I invite anyone who uses Facebook to search us out. We (The Champlain Valley Chapter) are continuously looking for meaningful ways to stay in touch with our chapter members and also provide access to the chapter for the engineering and HVAC community. Our Facebook page is another means to keep everyone informed. This will be used in addition to our web page to share information about meeting topics and events. If you or your company have a Facebook account, I encourage you to 'Like' our page. This can also serve a forum for you to share information with the CVC community.

I hope to see many of you on the 6th of Nov for our next meeting. In the meantime... get out there and rake those leaves, it's going to snow soon.

Nathan Mascolino
ASHRAE CVC PRESIDENT

TECHNOLOGY TRANSFER

We had a great turnout for the October meeting. Len Damiano, Vice President with EBTRON Inc., provided us with a double-header presentation on outdoor air control and building pressurization control. He challenged some of our paradigms regarding outdoor air flow and measurement, the impact of ventilation on CO2, and described the difference between outside air control and outside air measurement. Len weaved a review of ASHRAE 62.1-2010 throughout the presentation and gave a

brief overview of current technologies for outside air measurement. Each presentation included time for questions and answers. We appreciated his willingness to travel up from South Carolina and spend the evening with us.

Our November event will be a joint meeting with our friends from RSES. Dominic Kolandayan of Daikin/McQuay will present on Safety Considerations with VRF Systems. Dominic will provide an overview of ASHRAE 15 and 34 with a view towards application for the design and installation of VRF systems, refrigerant classifications and restrictions, design and compliance responsibilities, and examples of installations.

We had a good response with our paperless survey from last month's meeting. We are using it again for the October meeting. Please take 2 minutes and complete the on-line survey. Your opinion matters and we use it for our general CTTC planning. It also saves paper.

Please plan to attend the November meeting. VRF systems continue to gain popularity among the engineering and design-build communities in Vermont. This meeting will help us understand how ASHRAE 15 and 34 impacts our designs and how to best approach compliance. Please plan to join us.

Rob J. Favali
ASHRAE CVC TECHNOLOGY TRANSFER CHAIR

LEADERSHIP QUOTE OF THE MONTH

"A leader is one who knows the way, goes the way, and shows the way."

~ John Maxwell

TREASURE'S REPORT

As of October 14th, 2013 our TD Bank account is \$7,030.29 and all of our bills are paid and our account is reconciled.

Our CRC-2013 Bank checking account has been finalized and we have \$3,239.66 in our account. All invoices and costs for the event have been paid. The remaining money in the CRC account will be split and half will go to our CVC chapter account and the other half goes back to Regional towards next year's CRC.

This year in order to streamline our invoicing for our newsletter advertising we will be invoicing companies based on a calendar ASHRAE year (2013 – 2014). This will hopefully assure consistency in our invoicing from year to year.

It has been decided that invoices be sent out by the acting treasurer and put on a scheduled annual billing cycle. Invoices have gone out and are due on or before December 31st of this year. Payments will be for our 2013-2014 CVC - ASHRAE newsletter advertising and would be renewed on an annual basis.

We appreciate your support and look forward to another exciting year for our Chapter.

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



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2013-2014 ASHRAE CVC MEETING CALENDAR

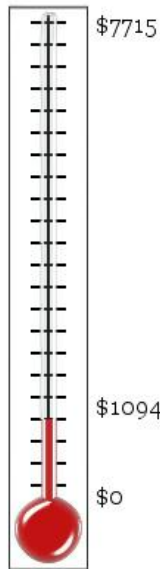
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SEPTEMBER 5	OCTOBER 2	NOVEMBER 6	DECEMBER 4	JANUARY 8
<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm General Meeting</p> <p>7:00pm Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> Bill Root, PE GWR Engineering "My NET ZERO Home – The Real Facts"</p>	<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>5:00pm Social Hour</p> <p>5:45pm 1st Presentation</p> <p>>> Len Damiano, (Ebtron) "Building Pressurization Control for Adequate IEQ"</p> <p>6:45pm Dinner Break</p> <p>7:30pm 1st Presentation</p> <p>>> Len Damiano, "Demand Control Ventilation Strategies"</p> <p>Additional Information: Both Courses are USGBC accredited.</p>	<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm General Meeting</p> <p>7:00pm Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> Trevor Gensch, Daikin "VRF Design Compliance with ASHRAE 15"</p> <p>Additional Information: RSES Joint Meeting MEMBERSHIP Promo Night</p>	<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm General Meeting</p> <p>7:00pm Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> DL SPEAKER Gordon Sharp "Holistic Technologies & Strategies for Deep Energy Reductions in Laboratories"</p>	<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm General Meeting</p> <p>7:00pm Dinner Break Meeting</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> Jessie Robbins, AIA Freeman French Freeman "Update on LEED v.4.0"</p> <p>Additional Information: Holiday Mixer; Open Invitation to VT-AIA and VGBN Members</p>
FEBRUARY 7	MARCH 5	APRIL 2	MAY 7	JUN./JUL./AUG.
<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> Facilities tour, University of Vermont AIKEN building Tour</p> <p>Additional Information: LUNCH MEETING TIME TBD</p>	<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm General Meeting</p> <p>7:00pm Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> Bruce Majer, BRD Noise & Vibration Control "Acoustics 101"</p> <p>>> Bruce Majer "RTU Sound Attenuation"</p>	<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm General Meeting</p> <p>7:00pm Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> VTC PRESENTATIONS</p>	<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm General Meeting</p> <p>7:00pm Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> Jim Shiminski, DAC "Heat Pipe Energy Recovery Systems"</p> <p>>> Jim Shiminski, DAC "Pumped Glycol Energy Recovery Systems"</p> <p>Additional Information: MEMBERSHIP Promo Night</p>	<p>JUNE EVENTS -Tail Gait</p> <p>JULY EVENTS -TBD</p> <p>AUGUST EVENTS -TBD</p>



RESEARCH PROMOTION

Well as you can see we have a long way to go to meet our 2013-14 goal. The good news is that we are just getting started and we are right on pace with our progress from last year. I am currently looking to put together a list of vendors and manufacturers that are interested in another tailgate party in the spring. I am also looking to fill our vender tables at our monthly meetings so shoot me an email if you or someone you know might be interested.



2013-14 Progress!!

Rob Ward

ASHRAE CVC RESEARCH PROMOTION

MEMBERSHIP PROMOTION

Hello everyone. Fall is in the air, and the scenery up here is great. A quick note this month on Membership Promotion. We are looking to add new members and are struggling a bit. Since the beginning of the year, we have not had a new member sign up. With Membership Promotion Night right around the corner, hopefully we can see this change. We are also focusing heavily this year on reducing the number of delinquent members, currently out of our chapter, we have 11. If you are a delinquent member, an e-mail was recently sent out on how to renew membership. If you have any questions, reach out and I can help you along. As always, thank you to all our Members. We appreciate your time and dedication to our Champlain Valley Chapter.

See you soon.

Josh Chiappone

ASHRAE CVC MEMBERSHIP CHAIR

STUDENT ACTIVITIES

VTC CHAPTER

Committee Chair: Shawn LaBelle

Student Chapter Advisor: Chris Reilly

Student Chapter President: Esther Covey

As always the VTC Student ASHRAE Chapter is off to a strong start this year, this seems to be a great repeating routine from year to year. This year's student chapter officers are the following:

Esther Covey - President

Courtney Hart - Vice President

Gill - Secretary

One of the chapter's biggest goals for this year is to send 12 of the student members to the 2014 ASHRAE Winter Conference in New York City, NY this coming year. The students will be putting together budget summary for the trip and a list of fundraising ideas. They will be selling t-shirts and hooded sweatshirts again this year since it has been a great fundraiser for the chapter in the past. Please keep watch, order forms will be sent out to all members. Also if you would like to individually sponsor the chapter please contact Chris Reilly or myself.

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.

Shawn LaBelle

ASHRAE CVC STUDENT ACTIVITIES CHAIR



GRASSROOTS GOVERNMENT AFFAIRS COMMITTEE

I would like to welcome and thank Jared Kershaw as being our first volunteer member to our Grassroots Government Affairs Committee (GGAC). Jared will be working with me and assisting in various duties as necessary to meet our GGAC goals for year 2013/2014.

So what's the buzz around town this month...????

On 10/1/13 I had a phone conversation with Bill Atkinson the Chair of the Vermont Board of Professional Engineering (VBPE). Bill is also a member of our Chapter and he passed along a couple of bits of information that would be of importance to our membership.

1. The VBPE will be updating the rules of the VBPE. As part of the update, Continuing Education (CE's) will become a requirement for Professional Engineer licensing renewal. Specific details were not discussed, but as soon as information becomes available, our committee will be sure to pass them on to our members. The current VBPE rules can be viewed at the following link:

http://vtprofessionals.org/opr1/engineers/rules/ENG_Rules.pdf

2. Current indication is that the Master's or Equiv./Bachelor's + 30 (MOE/B+30) previously proposed NCEES model law will be back on the table again this year. It is anticipated that State Representative Bob Krebs will bring it forward as a sponsored bill to the House during this upcoming legislation session. As you may recall, this hot topic was presented by two of our guest speakers at our March 2013 Chapter meeting where pro's and con's were discussed. Our Committee will stay

on top of this proposed regulation as the details become available. ASHRAE is one of the leading organizations opposing adoption of the NCEES model law. As for the VBPE, they have not taken a position on the proposed regulation at this time. You may find more information about the MOE/B+30, at the following links:



<http://www.licensingthatworks.org>
(opponent website)



<http://www.raisebarforengineering.org>
(proponent website)

Dick Wilcox

ASHRAE CVC GGAC CHAIR

SAVE THE DATE



CVC ASHRAE will be sponsoring a viewing of the Free Webcast....

Buildings in Balance: IEQ and Energy Efficiency

Date: April 17, 2014
Time: 1:00pm – 4:00PM

This webcast will feature industry experts who will identify the link between energy efficiency and Indoor Environmental Quality (IEQ) through the integrated design process. Viewers will be able to recognize the importance of the four cornerstones of IEQ and how system selection can benefit both energy efficiency and IEQ.



2013-2014 Board of Governors,
Officers & Chairpersons

BOG MEETING MINUTES

OCTOBER, 2013 BOG Meeting Minutes

Date: 10/02/2013
 Location: Hampton Inn, Colchester VT
 Time Called to Order: 4:33pm
 Called to Order By: Nathan Mascolino
 Minutes Recorded By: Cody Lezak

ATTENDANTS

Tom Dacres	VHV
Rob Favali	Dubois & King
Dick Wilcox	VHV
Peter Bailey	Dodge Engineering & Controls
Rob Ward	VHV
Tom Zoller	Trane
Nathan Mascolino	VHV
Rachael Mascolino	VEIC
Cody Lezak	VEIC
Mike Cook	ARC Mechanical
Ralph Draper	RVC Student Activities

LAST MEETING MINUTES

Mike Cook made a motion to approve the meeting minutes from September were approved. Rob Favali seconded the motion and the motion carried.

OFFICER REPORTS

1) Treasurer Report- Peter Bailey

a) Pete gave a report of the current chapter account including an update on the golf outing revenue and assessment of the local chapter due.

b) The chapter audit will be done by Jay Pilliod and Jay Atkinson on October 23rd.

c) Nathan Mascolino and Peter will work on an annual budget for the upcoming year.

2) Refrigeration – Peter Bailey

a) The Hill Phoenix training was not able to be scheduled for November and it will likely be scheduled for mid March.

3) President – Nathan Mascolino

a) Nathan noted that Hampton Inn contract is signed for the upcoming year

4) Grassroots Committee – Dick Wilcox

a) Dick noted that he has the presentation to train those who will work with him on this committee. He also has checked in with Bill Atkins about regarding MOE and noted that the board is updating rules for requirements to become licensed PE expects the new rules to include continuing education. Dick has been in contact with Mark Wills in DC to get help regarding legislative affairs. It is expected that Bob Crebs will bring the MOE proposal in front of the board again. Dick noted that he wants to have his committee members set up meetings with state representatives to discuss the MOE issue.

5) President Elect – Rob Favali – CTTC Chair

a) Rob noted that tonight's presentations are each for 1pdh and 1 LEED credit and that the November meeting will be a joint meeting with RSES

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b) Rob also noted that he has commitments from speakers through the whole calendar year. There are still designated lecturer spots open for the chapter and although we have a DL lined up for December mtg he is trying to get another for either March or May.

c) Last month was the first online survey for speakers and it seemed to work really well in regards to the number of responses we received and ease to put into excel for reviewing the survey results.

6) Electronics Communications Chair – Rachael Mascolino

a) There was a general discussion regarding having a table at the annual Better Buildings by Design conference. It was decided to table the vote on the decision until the next BOG meeting.

7) Vice President – Rob Ward – RP Chair –

a) Rob was able to go to Chicago a couple weeks ago for training and came back with a couple of ideas for research promotion.

b) Rob is going to begin working on organizing the tailgate fundraiser and expects to need a committee of six people.

c) Rob also brought up that any ASHRAE funded research project that is in our region has to come to present if asked as part of the grant award.

d) The details of the endowment program being offered were discussed.

e) Full Circle Deadline - Nov 15th, can be done online

8) Ralph Draper – RVC Student Activities

a) Ralph discussed the importance of and different ways the chapter could increase the effectiveness of our student activities efforts.

Some of his thoughts were having students participate in poster session judged by ASHRAE or a high school science fair competition focused on sustainability with a \$50 award. He also noted that in regards to scholarships, the amount is less important than the impact it can have on a student's resume. He also recommends trying to do something with 5-6 graders to get them excited about STEM careers

OLD BUSINESS:

None

NEW BUSINESS:

None

MEETING ADJOURNED

A motion was made by Dick Wilcox to adjourn the meeting. It was seconded by Rachael Mascolino and the motion was carried. The meeting adjourned @ 5:37PM.

GENERAL MEETING

October 2, 2013 General Meeting Minutes

Date: 10/02/13

Location: Hampton Inn, Colchester, VT

Minutes Recorded By: Cody Lezak, Secretary

ATTENDANTS

Nathan Mascolino	Vermont Heating & Ventilating
Michael VanHorn	Control Technologies
Tom Dacres	Vermont Heating & Ventilating
Rachael Mascolino	VEIC
Rob Favali	Dubois & King Inc.
Peter Bailey	DEI



Dick Wilcox	Vermont Heating & Ventilating
Doug Christenson	Trane
Mary Jane Poynter	Efficiency Vermont
Tom Zoller	Trane
Ray Hickey	Advanced Comfort Systems
Thomas Anderson	Anderson Consulting
Harris Unger	Advanced Comfort Systems
John Grout	Victaulic
Scott Alexander	LN Consulting
Cody Lezak	VEIC
Ray Keller	Vermont Gas
Brian Sexton	Technology Plus LLC
Tyler Gendron	VTC
Bill Gregory	L.J. Early Co.
Esther Covey	VTC
Chris Reilly	VTC
Jere Berger	VT Mil Dept
Charlie Carpenter	Efficiency Vermont
Mike Cook	ARC Mechanical
Rob Ward	Vermont Heating & Ventilating
Steve Booth	Efficiency Vermont
John Plankey	Vermont Mechanical, Inc
Steve Dumas	Dubois and King Inc.
Maribella Ibarra	VEIC
Nick Rock	CTI
Len Pattison	Control Technologies
Glenn Thomas	Thomas Engineering Associates
Ray Spears	Trane
William Moore	Tcorp
Leonard Damiano	EBTron
Ralph Draper	RVC Student Activity

The first presentation of the evening was then followed by a break for dinner.

At the end of dinner Tom Zoller presented awards of appreciation to the members of the CRC planning committee; Dick Wilcox, Mike Cook, Peter Bailey, Tom Dacres and Nathan Mascolino. Peter Bailey also presented Tom Zoller with an appreciation plaque for his leadership and extraordinary efforts planning this year's CRC.

Ralph Draper, RVC student activity chair, was visiting the chapter and took a moment to discuss the importance of chapters being involved in activities for students.

The evening concluded with a second presentation by Leonard Damiano on demand control for high performance buildings. Leonard discussed various DCV strategies with a specific focus on CO2 DCV strategies and ASHRAE 62.1.

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 started with a presentation by Leonard Damiano on building pressurization control for adequate IEQ. He discussed building pressurization design and control methods. Additionally Leonard related the ASHRAE standards, LEED and building pressurization controls.



THE 2013 CRC A MEMORABLE EXPERIENCE

Champlain Valley Chapter Provides an Enjoyable and Memorable Vermont Experience for ASHRAE Guests Attending the 2013 Region 1 CRC in Burlington.

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On August 15 – 17th, the Champlain valley Chapter (CVC) of ASHRAE hosted the 2013 Region 1 Chapter Regional Conference (CRC) . The event was held in Burlington, Vt. at the Hilton overlooking scenic Lake Champlain. The goal of the planning committee under the leadership of Tom Zoller was to provide attendees an enjoyable and fun experience, social interaction and some educational value during the three day event to offset the tedious but necessary purposes of the organized and structured regional business meetings.

The conference began on Thursday August 15th with a couple of afternoon technical presentations by Tim Shea of National life Group and Bill Maclay of Maclay Architects. Tim presented on how the National Life facility in Montpelier, Vt. has maximized energy rebates and tax credits to increase thermal and electrical efficiency. They have implemented several environmental initiatives including solar photovoltaic, a solar thermal

system, a biomass boiler installation, a recycling program with a 78% diversion rate, an alternative transportation program for employees and obtained a LEED-EB accreditation. The cumulative savings of the initiatives undertaken by National Life Group are impressive and Tim is very enthusiastic in sharing this information to show what is possible with organizational support.

Bill Maclay, founder and president of Maclay Architects in Waitsfield, Vt. is a recognized leader in environmental and sustainable design. Bill presented on one of their recent projects, the near net zero George D. Aiken Center on the University of Vermont campus discussing several aspects of this LEED Certified Platinum building. The ecologically conscious building includes a ‘living machine’ which converts waste water to drinkable water using plants and organisms, a green roof and a tightened up thermal envelope with more efficient windows. In addition to a more efficient work and educational space the school’s vision was to promote environmental sustainability, reduce the school’s ecological footprint and to educate a new generation of citizens to understand the benefits of designing and living within a sustainable and energy efficient designed building. The building was provided with an “Environmental/Energy Dashboard” where occupants and students can monitor the buildings environmental performance thru an accessible reporting system providing utility and research data via the web. A tour of this facility was scheduled as a separate event on Friday discussed later.

Thursday evening’s welcome reception and open bar took place in the Season’s Room of the Hilton followed by a sit down dinner in the Green Mountain ballroom. During the serving of desert the attendees were treated to a very special musical

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set of four piano compositions by Society President Bill Bahnfleth and his charming wife Mary. This was a unique experience probably never seen at a regional conference where the sitting president of Society entertained for some of its membership.

Friday morning began a very busy day of meetings, tours and social events. Delegates, alternates, Region 1 officers and chairs and Society guests worked thru their Region 1 business agenda under the direction of DRC Joe Furman.

In appreciation for their support of the Champlain Valley Chapter, several local employers were invited to a special recognition breakfast to be acknowledged by ASHRAE officers at the national and regional level in attendance. These employers provide financial support for the programs and fund raising events of the Champlain Valley Chapter as well as allowing and supporting some of their employees who dedicate their time, energy and talents to serve as chapter officers, committee chairs or as members of the chapter.

Spouses and companions boarded a bus at the Hilton for a scenic day trip to Stowe. Activities for the trip provided by Notch Above Tours included a stop at Cold Hollow Cider Mill, a gondola ride to

the summit of Mount Mansfield with its panoramic views of the Stowe valley and Smuggler’s Notch. The group enjoyed lunch at the famous Trapp Family Lodge a European style mountain resort and its wonderful mountain views and topped off their day with a factory tour and a serving of ice cream at the Ben & Jerry’s factory in Waterbury.



Back in Burlington an afternoon technical tour of UVM’s renovated Aiken Center building was available to early arrivals not required to participate in the business meetings. Attendees of the tour were given a presentation of the “living machine” waste water system by Matt Beam of UVM. Michelle Smith of UVM and Andy Shapiro, owner of Energy Balance Inc., an energy consulting and design firm from Montpelier , Vt. involved with the project gave us a walking tour describing many of the facility’s green features. These features include a passive solar solarium, a green roof water collection system set up with seven experimental plant arrays for testing micro-watershed strategies for storm water management. The building utilized FSC certified wood fabricated from trees harvested from UVM’s Jericho Research Forest. Of course an engineering tour had to include a look inside the facility’s mechanical room. Following the walking tour we

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retired to one of the building's conference rooms where Andy gave an informative presentation and slide show expanding on Bill Maclay's presentation of Thursday with an overview of the existing building's deficiencies and walked us thru the UVM planning and goal setting process for the renovation. Andy covered in depth the building envelope upgrades and the specific details undertaken, the construction process including blower tests to verify infiltration goals. The integrated process was instrumental in achieving LEED Platinum certification for this building on the lovely University of Vermont campus.

Friday evening the social events took center stage beginning with a cocktail reception and catered dinner at the Echo Lake Aquarium and Science Center located on the Burlington Harbor. Our guests experienced one of Lake Champlain's classic sunsets with moored sailboats in the harbor silhouetted against the Adirondacks Mountains on the western horizon. The catered event by Cloud Nine served up a variety of tasty heavy Hors d'oeuvres and food stations which allowed everyone to explore the Echo Center's many interactive educational science exhibits, variety of fish, amphibians and reptiles while socializing and networking with other ASHRAE members in a very



2013 CRC by the Numbers

150 registered attendees at conference

175 total attendees including Tours, tech sessions, and local Employer recognition breakfast

14 children participated

16 invited guests at Employer Recognition Breakfast

18 people attended Thursday's Technical Session

29 people went on the tour of the Aiken Center on the UVM campus

8 companions traveled to Stowe for a day of sight seeing, food and shopping

140 people attended Friday evening Presidential Dinner and Rusty Dewee's Show at the ECHO Science Center

relaxed and pleasurable atmosphere. The desert temptations were varied and fantastic served with a scoop of Ben & Jerry's ice cream.

Afterwards guests adjourned to the center's event room to hear Bill Bahnfleth's presidential address to Region 1. The theme of Bill's tenure as Society President this year is "Shaping the Next..." where he elaborated on the meaning of this theme of positioning ASHRAE as a leader in influencing and shaping the future for ourselves, the building industry and the world. This challenge will require establishing goals, planning and commitment as individuals as well as a community. ASHRAE's vision going forward should address our world

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primarily by utilizing the talents and resources of our members for the benefit of the general public as charged by our founding documents. To accomplish this will require individual goal setting to develop a workforce capable of meeting the challenges of the future and how we conduct our business. Serving our world encompasses three key areas providing for basic human needs and quality of life, environmental stewardship and serving our global community. (I encourage our members to read and absorb the full context of Bill's theme in the August 2013 edition of the ASHRAE Journal)

We can impact basic needs and quality of life by making the indoor environmental control systems we design safe, healthy, productive and comfortable. In regard to environmental stewardship ASHRAE must continue to promote conservation of natural resources and the protection of the environment must not lag as we concentrate our efforts in other areas.

To serve all communities, ASHRAE should not limit itself to serving only the commercial/industrial markets of the developed economies. We need to contribute more effectively in the residential market and need to become more involved in the developing economies with better support programs now and into the future.

Bill's presidential address had the unenviable task of being the opening act for the main entertainment event of the conference featuring Vermont's own Rusty Dewees. Rusty, the Logger dressed in his signature sleeveless shirt, shredded and worn-in jeans and untied construction boots held together with duct tape. His folksy backwoodsman rural humor depicting the rural character of "real Vermonters" entertained the crowd as he teased and poked good fun at members of the audience. His



storytelling covered a range of topics from prostrate exams, Viagra, to the grooming habits of "health food" women kept the audience chuckling in their seats. The performance included an act where he distributed pages from his calendar to members of the audience and even a thong to one astonished woman. The one hour comedy show ended a busy day of meetings, tours and socializing, hopefully our guests will remember the unique and witty humor of Rusty Dewees, the Logger.

Saturday morning's agenda included the final business meeting for Delegates, Alternates, Region 1 officers and chairs and Society guests as they completed two days of Region 1 business like developing the regional budget, sharing regional and chapter yearly reports, electing regional officers and voting on a slate of regional and national motions. Workshops were conducted for training incoming chapter committee chairs to educate and help them to fulfill their duties to their respective chapters during the upcoming year.

The final event of the conference culminated with the annual Region 1 Awards luncheon where chapter and regional members are recognized and given awards to acknowledge their accomplishments, hard

...continued on page 14

work and commitment to their respective chapter operations throughout the 2012-13 Society year.

At the awards luncheon the Champlain Valley Chapter received several awards as our chapter finished with the second most PAOE points behind only the New York City chapter in Region 1. We were recognized as having the best newsletter and website in the region reflecting the hard work and creative talents of Cara Gorman and Rachael Mascolino. Shawn Labelle was awarded a certificate for his Student Activities work in association with the VTC student chapter of ASHRAE for their participation in the ASHRAE Student design competition. Nathan Mascolino was awarded a plaque for outstanding chapter programs. Three Chapter Service Awards which recognize a long term commitment of volunteerism towards chapter operations were awarded to Dick Wilcox, Pete Bailey and Shawn LaBelle. Finally our 2012-13 chapter President, Tom Dacres was a co-winner of the Prestigious Golden Gavel Award along with new York City chapter President, Steve Baumgartner recognizing the best chapter(s) during the past Society year. Congratulations to Tom for receiving this award reflecting his leadership, dedication and time throughout the 2012-2013 chapter year. This achievement represents the fifth time a CVC



President has been bestowed this honor.

In conclusion, the Champlain Valley Chapter hosted one of the most successful CRC's in recent memory with 175 people attending the various meetings, events and technical sessions during the three day event. The success of this conference is a tribute to the leadership of Tom Zoller and his committee making this a memorable, fun and well orchestrated conference as we entertained our Region 1 guests while showcasing the beauty and charm of Vermont and the Burlington area. The majority of comments we received from survey respondents were positive meaning the 2013 CRC Committee was successful in meeting their goals and expectations during the many months and time spent planning and organizing this event. The Champlain Valley Chapter appreciates and recognizes the charity of the many vendors and companies whose sponsorship contributions were invaluable towards featuring the special musical performers at receptions and the hospitality suite, open bars, supporting the companion tour to Stowe, the comedy of Rusty Dewees and the Vermont product gift bags handed out to full conference participants. The sponsorships allowed the host committee to keep the cost of attendance to an affordable level for attendees.



M.R. Cook

ASHRAE CVC HISTORIAN



Awards Received by the Champlain Valley Chapter At 2013 Chapter Regional Conference

Shawn LaBelle – CVC and VTC Students Participation

1. Participation in ASHRAE Design Competition – HVAC System Selection
2. Participation in ASHRAE Design Competition – HVAC System Design Calculations

Nathan Mascolino - Outstanding Performance CVC Chapter Programs

Rachael Mascolino – Websitation of Excellence

Cara Gorman – Black Ink Award for CVC Newsletter: THE CHAMP

Tom Dacres CVC – PAOE High Honor Roll, Star, Special Citation

Peter F. Bailey CVC – Chapter Service Award

Shawn R. LaBelle CVC – Chapter Service Award

Richard T. Wilcox CVC – Chapter Service Award

Tom Dacres – President CVC: Golden Gavel Award – Outstanding (Best Overall) Chapter Performance



BEST OF THE BEST 2014 EFFICIENCY VERMONT AWARDS

Commercial Building Design and Construction



Photo by Gary Hall Photography

Best of the Best 2014: **Commercial Building Design & Construction** *Celebrating Excellence in Energy Efficiency*

Entries are now being accepted for the 2014 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 2014 conference, taking place February 5 and 6, 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 15, 2013.

We welcome and encourage your participation, and we look forward to receiving your entry!

ENTER TODAY

Deadline: November 15, 2013

This year, entries will be considered in the following categories:

New Construction

Major Renovation

View complete details, including eligibility and submission requirements, and the official entry form.

QUESTIONS?

If you have any questions, please do not hesitate to email us or call:

JJ Vandette
Efficiency Vermont
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888-921-5990, ext. 7915





2013 CHAPTER REGIONAL CONFERENCE (CRC) AWARDS

Here are the (10) awards the Champlain Valley Chapter received at the 2013 CRC in Burlington, Vermont August 17, 2013 during the awards luncheon.

- ▶ Participation in Student Design Competition- “HVAC System Design Calculations”
Shawn Labelle - Champlain Valley & Students of Vermont Technical College
- ▶ Participation in Student Design Competition- “HVAC System Selection”
Shawn Labelle - Champlain Valley & Students of Vermont Technical College
- ▶ Outstanding Performance
Champlain Valley Chapter, **Nathan Mascolino P.E.**
- ▶ Websitation of Excellence
Rachael Mascolino, Champlain Valley, www.ashraevt.org
- ▶ Black Ink Award
Cara Gorman, Champlain Valley, THE CHAMP
- ▶ High Honor Roll, Star, Special Citation
Tom Dacres - Champlain Valley Chapter
- ▶ Chapter Service Award
Peter F. Bailey - Champlain Valley Chapter
Shawn R. LaBelle - Champlain Valley Chapter
Richard J. Wilcox - Champlain Valley Chapter
- ▶ Golden Gavel Award - Outstanding (Best Overall) Chapter Performance
Thomas F. Dacres, Jr. - President



Congratulations to the efforts of the entire 2012 – 2013 Champlain Valley Chapter team including Officers, Board of Governors, Committee Chairs and volunteers for a successful year!

2013-2014 PRESIDENTIAL NEWSLETTER

DATE: June 1, 2013

TO: Chapter Presidents, ASHRAE Membership Promotion Committee, ASHRAE Student Activities Committee, ASHRAE Research Promotion Committee, ASHRAE Chapter Technology Transfer Committee, ASHRAE Grassroots Government Activities Committee, Young Engineers in ASHRAE Committee, Regional Historians, Assistant Regional Chairs, Board of Directors

FROM: William P. Bahnfleth, PhD, PE



SUBJECT: PRESIDENTIAL AWARD OF EXCELLENCE (PAOE)

ASHRAE chapters are the backbone of the Society and play a central role in achieving its goals. Through our collective efforts, ASHRAE chapters are a vital, global driver of progress in building science and technology.

My Presidential theme, "Shaping the Next," focuses on the importance of goals, planning, and commitment to enable us to fulfill our responsibility to our world - making buildings safe, healthy, productive, comfortable environments in harmony with nature - by developing ourselves - the professional community and transforming our work - what we do, how we do it, and who we do it with.

The PAOE for the coming year reflects these points of emphasis. It also includes new section for Grassroots Government Activities, coinciding with the initiation of ASHRAE's new Grassroots Government Activities Committee (GGAC).

Highlights of new activities for which PAOE points will be awarded include:

75 points for establishing and updating annually a chapter long term strategic plan (minimum of 3 years) with goals for chapter growth, leadership, and financial stability.

100 points for a project that provides education and support for Indoor Air Quality (IAQ) in the professional community and/or Society at large

50 points for each chapter program on Indoor Air Quality/Environmental Health

50 points for each chapter program dealing with global issues

150 points for establishing and annually updating a list of government officials (at any level of government relevant to buildings, engineering or construction, including building officials, school system facility staff, state energy code officials, etc.) along with their contact information. In addition, translation of ASHRAE publications by Chapter members will now be given the same credit as authoring an article.

There are seven categories included in this year's PAOE: Chapter Operations, Chapter Technology Transfer, Grassroots Government Activities, Historical, Membership Promotion, Research Promotion, and Student Activities. To achieve PAOE, the chapter must earn the minimum points in five of the following six categories: Chapter Operations, Chapter Technology Transfer, Grassroots Government Activities, 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, consult the PAOE Frequently Asked Questions (FAQ) section on the ASHRAE website. Please note that appropriate documentation must 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 the dedication, enthusiasm and hard work you bring to improving our Society and providing value to our membership. I look forward to working with you during the coming year.

GENERAL MEETING

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	2013 - 2014
Membership Promotion	0	0
Student Activities	0	0
Technology Transfer	0	0
Research & Promotion	0	0
History	0	0
Chapter Operations	0	0
Chapter TOTAL	0	0

2013-2014 BOARD OF GOVERNORS

Joshua Chiappone T: 518-817-8669 joshua.j.chiappone@jci.com	Shawn LaBelle T: 802-857-5011shawn. ShawnL@amivt.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	Thomas Dacres, Jr., LEED AP BD+C 802- 655-8805 x 152 tomd@vhv.com

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Secretary	Cody Lezak, PE 802-540- 7842 clezak@veic.org
Treasurer	Peter Bailey 802-434-2278 pfbaily@deicontrols.com

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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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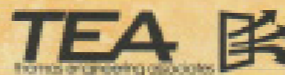
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