



THE CHAMP

monthly newsletter

of the Champlain Valley Chapter of ASHRAE

PRESIDENT'S MESSAGE



The summer weather is finally here and with that, comes the finale to the ASHRAE year. Our June vendor expo at the Champlain valley fairgrounds. This is going to be a great event and you are going to find a lot of exciting information

about it in this month's newsletter. Make sure to mark it on your calendar. If you are a vendor, and you would like to participate please get in touch with Rob Ward (robw@vhv.com). If you are a chapter member and you would like to volunteer please get in touch with Rob.

Thank you to everyone who attended the May 7th meeting at the Hampton. We had a great turn out. The Hampton provided another outstanding meal and according to the feedback most in attendance thought the topic was relevant and well presented. Because the June meeting is a special event the May meeting was the last of the year with a formal presentation. I would like to thank the CTTC committee for putting together a great year of topics. The meeting feedback this year has been positive and our average meeting attendance has been up. This is a testament to the hard work of the committee. Nice work everyone.

I hope everyone is out there enjoying the weather. I hope to see you all in June at the fairgrounds.

Nathan Mascolino
ASHRAE CVC PRESIDENT

ASHRAE CVC UPCOMING EVENTS

CVC EXPO ON WHEELS

Please join us on Wednesday, June 4th at the Champlain Valley Expo center, Essex Junction, VT for our second Expo on Wheels. Vendors will be displaying their products and available to talk about their services. This is a fun, informal event that will wrap up the 2013- 2014 ASHRAE year. We hope to see you there!

Cost is \$10 per person to attend. If you are interested in being a vendor, please contact Rob Ward, robw@vhv.com.

Event Schedule

2:00 – 6:00 – Tailgate Party

9AM-2:15PM Greenheck Airtour Training (4PDHs)

2:30 – 3:30 Trox Chilled Beam System Design (1 PDH)

4:30PM BBQ Dinner

Please RSVP at www.ashraevt.org we will need to know how much food to order/cook.

IN THIS ISSUE:

President's Message.....	1-2
Technology Transfer.....	2
Treasure's Report.....	2
Research Promotion.....	2
Meeting Calendar 2013-2014.....	4
Student Activities.....	5
Grassroots Government Affairs Committee.....	5
ASHRAE Annual Meeting.....	6
BOG Meeting Minutes.....	7-8
General Meeting Minutes.....	9
Expo on Wheels	10
Greenheck's AIRTOUR Mobile Learning Center.....	11
Chilled Beam System Design.....	12
Career Services through ASHRAE Jobs	13
2013 CRC Awards.....	14
2013 - 2014 Presidential Newsletter.....	15
POE.....	16
Chapter Contacts.....	16
Advertising/Sponsors.....	3,13,17-19

TECHNOLOGY TRANSFER

May is here and with that the approaching conclusion of our ASHRAE year. It seems such a short time ago that I wrote the first Technology Transfer article. The year has passed and based on survey and comments received, most of the speakers and topics were well received. We started the year off with a follow-up presentation by past Chapter President Bill Root on his net zero home. From there we moved through presentations on VRF and ASHRAE 15; building pressurization control, deep energy savings for Labs; LEED v4.0 review; vibration and acoustics, and glycol energy recovery systems. We also had a lunch time tour of the Aiken Center. This was our first lunch tour in a long time and I think we will be doing it again in the coming years.

I want to personally thank all the presenters and the companies represented that donated time and expenses for the presentations.

Upcoming for June is our trade show and cookout. One major highlight of the show will be the Greenheck AirTour Learning Center – a 1,000 square foot tractor trailer-based classroom. If you have not signed up for the classes, please do so soon.....I understand that there are only a few openings left. The trade show is developing into another great show with multiple vendors, good food, and hopefully some sunshine to complete the venue.

This is my final Technology Transfer Newsletter for this year. Once again, thanks for your support and I hope to see you next year.

Rob J. Favali
 ASHRAE CVC TECHNOLOGY TRANSFER CHAIR
 rfavali@dubois-king.com

TREASURE’S REPORT

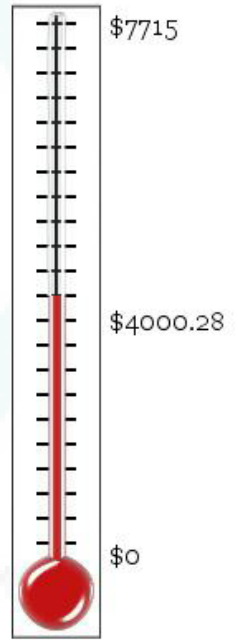
As of May 16, 2014 our TD Bank account is \$11,642.52 and our bills are paid up to date with our ASHRAE CVC account reconciled.

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

RESEARCH PROMOTION

So with our fundraising year coming to an end and our big summer event just a few weeks away it looks like we are in pretty good shape to make our goal. Don’t forget that if are interested in taking advantage of one of the training opportunities at our event them please RSVP to me as soon as you can as space will be limited. +/- 4 hours of classes will be hosted that morning complete with PDH credits and at a cost of only \$30 per person which includes lunch and admission to the main event you can’t go wrong. The cost of the main event without the classes is only \$10 so be sure to bring a coworker or client. A couple of companies have even sponsored tickets to the event so keep an eye out for those as well.



**2013-2014
 Progress !!!**

Rob Ward
 ASHRAE CVC VICE PRESIDENT / RP CHAIR

SAVE THE DATE



ASHRAE Champlain Valley Chapter
2nd Semi-annual

EXPO ON WHEELS

Join us on June 4th at the Champlain Valley Exposition to see the latest in HVAC equipment & technology, tailgate style! **See page 10 for details.**



Chuck Kabrehl

V.P. Commercial Sales & Engineering
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2013-2014 ASHRAE CVC MEETING CALENDAR

MAY 2014
Vol. 28 No. 09

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>

STUDENT ACTIVITIES

VTC CHAPTER

Committee Chair: Shawn LaBelle
 Student Chapter Advisor: Chris Reilly
 Student Chapter President: Esther Covey

I want to thank Scott Sabol, P.E, Chris Reilly, P.E and Mark Vincello, P.E. for aiding the students in their 2014 ASHRAE Student Design Submission. The following students of Vermont Technical College have submitted their HVAC Design Calculations to the ASHRAE Student Design competition:

- Tyler Gendron - Graduating May 2014 - BS Architectural Engineering Technology
- Constantin Condrat - Graduating May 2014 - BS Architectural Engineering Technology
- Stephen Wichmann Jr. - Graduating December 2014 - BS Architectural Engineering Technology

The submission will be evaluated by the Region 1 Student Activities Vice Chair by the deadline date of June 1st. If they pass regional judging their entry will be submitted to the national judging committee for final judging. National level competition under the direction of the Student Activities Student Project Competition Subcommittee will complete evaluation of national level entries, and will select 1st, 2nd and 3rd place winners in each category.

I just want to remind everyone about our 2nd semi annual EXPO ON WHEELS event. This event will be held on Wednesday June 4th at the Champlain Valley Expo. Please see flyer within the newsletter article.

Shawn LaBelle

ASHRAE CVC STUDENT ACTIVITIES CHAIR

GRASSROOTS GOVERNMENT AFFAIRS COMMITTEE

With the Vermont State Legislation session now closed, our committee is taking the opportunity in this lull of legislation activity, to set up meetings with local State Senate and Representative elected officials. We anticipate that in these meetings, we will be able obtain information as to what may have been discussed off-line with legislators in the previous year related to bills expected to be brought forward at the next legislative session. If this information is available, it will allow us to better inform our members of potential legislation action that could impact our industry.

Be sure to check next month's newsletter to see what we uncover.

Dick Wilcox
 ASHRAE CVC GGAC CHAIR

LIKE ASHRAE CVC ON FACEBOOK TODAY!





Join us at ASHRAE's 2014 Annual Conference
June 28–July 2 | Seattle, Washington | www.ashrae.org/seattle

Special first time attendee registration fee available

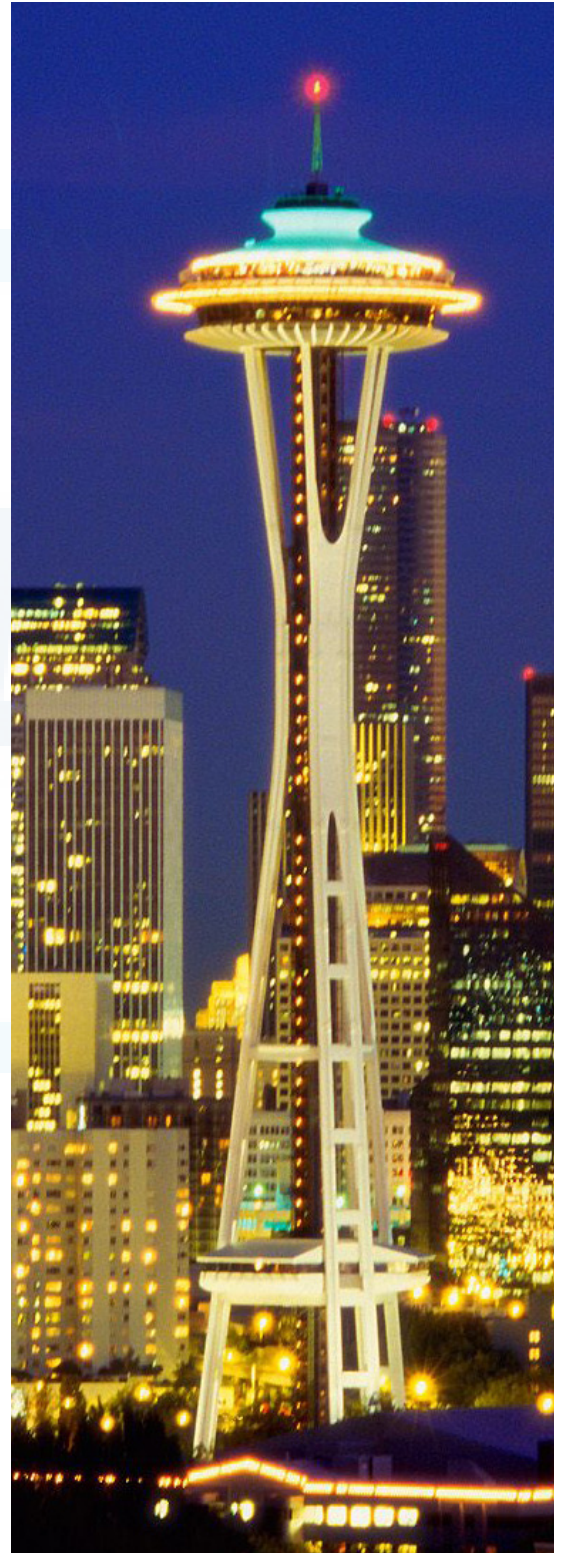
Join ASHRAE in Seattle! Take advantage of the opportunity to discuss and examine the latest topics in the building industry, such as high performing buildings and integrated design, through the technical program; participate in technical tours; attend ASHRAE Learning Institute courses; and earn professional credits.

Research Summit - held in conjunction with the 2014 Annual Conference. The summit addresses the latest research results, innovative research techniques and forecasts future research directions.

Technical Program - presentations and papers focus on current research worldwide; core HVAC&R applications and systems; and Integrated Project Design, Energy Modeling and Building Efficiency Performance.

Networking - share ideas and learn from fellow members from your hometown and around the world.

ASHRAE Learning Institute - choose from two full-day professional development seminars and seven half-day short courses to stay current on new HVAC technologies.



2013-2014 Board of Governors,
Officers & Chairpersons



BOG MEETING MINUTES

MAY 2014 BOG Meeting Minutes

Date: 5/7/2014

Location: Hampton Inn, Colchester, VT

Time Called to Order: 4:00pm

Called to Order By: Nathan Mascolino

Minutes Recorded By: Cody Lezak

ATTENDANTS

Nathan Mascolino	VHV
Rob Favali	Dubois & King
Peter Bailey	Dodge Engineering & Controls
Rob Ward	VHV
Joshua Chiappone	Trane
Dick Wilcox	VHV
Shawn Labelle	VHV
Mike Cook	ARC Mechanical
Rachael Mascolino	VEIC
Cody Lezak	VEIC
Blaine Connor	Vermont Mechanical
Tom Zoller	Trane
Tom Dacres	VHV

LAST MEETING MINUTES

Mike Cook made a motion to approve the meeting minutes from February. Rachael Mascolino seconded the motion and the motion carried.

OFFICER REPORTS

1) President – Nathan Mascolino

a) Nathan requested that newsletter articles be submitted by May 16th.

b) Nathan requested that the promotional information for the June event be circulated as soon as possible. Rob has the flyers ready and will send them to Rachael to circulate electronically.

c) Nathan noted that 34 members participated in the election. All nominees were elected but we are still searching for a research promotion chair.

d) Our current progress relative to the chapters PAOE points was discussed. Nathan requested that updates be made by mid-June.

e) The CRC award applications were discussed with a focus on who in the chapter is eligible. Nathan noted that member resumes will be available electronically in the near future.

f) The June BOG will be rescheduled to Wednesday June 11th at 4:00pm to avoid a conflict with the upcoming Expo in June.

g) Josh Chiappone has gone to the membership promotion chair training the last two years and as such is considering not attending this year.

2) Treasurer – Peter Bailey

a) Pete presented the current status of the Chapter going into the June event noting that this is after paying the scholarships and that all the money for the newsletter ads has been received.

b) Although the CRC registration is coming up the costs are still unknown.

c) Pete noted that he has started developing the

budget for the 2013-2014 year based on this year's actuals but will wait until after the CRC costs are known to finalize.

d) The Hill Phoenix event was a success with 33 attendees and will net about \$2000 for research promotion. Peter thanked Rachael for her efforts promoting the event.

e) The chapter audit is being planned for this summer.

3) Research Promotion – Rob ward

a) Rob provided an update on the status of the planning for the June Expo on Wheels to be held at the Champlain Valley Fairgrounds.

i) Currently there are 9 vendors signed. Two years ago we had 15 vendors at the event.

ii) The chapter will purchase the food for the food vendor. We will also need to have an estimate of the attendance to make this purchase.

iii) Greenheck will be bringing their training trailer to host a class. This class will be eligible for pdh's.

iv) Trox will be hosting a chilled beam class that will qualify for pdh's as well.

v) Rob will need one or two people to help with set up and some members at the event by noon to help vendors set up and to staff the registration tent. He also asked that people help clean up after the event.

4) Student Activities – Shawn Labelle

a) Shawn asked for two volunteers to review the student design project. Nathan and Rachael volunteered to help.

5) Membership Promotion – Josh Chiappone

a) Josh noted that he has some door prizes for the membership promotion event for the general meeting.

6) Research Promotion – Rob ward

a) Rob provided a brief update that the vendors are continuing to sign up for the expo on wheels event planned for June.

b) RP funding was discussed and it was noted that we have currently raised more than we did last year at this point.

OLD BUSINESS:

None

NEW BUSINESS:

None

MEETING ADJOURNED

A motion was made by Tom Dacres to adjourn the meeting. It was seconded by Rachael Mascolino and the motion was carried. The meeting adjourned at 5:03 PM.

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

LEADERSHIP QUOTE OF THE MONTH

“Success is not final, failure is not fatal: it is the courage to continue that counts.”

- Winston Churchill

GENERAL MEETING MINUTES

May, 2014 General Meeting Minutes

Date: 5/7/14

Location: Hampton Inn, Colchester, VT

Minutes Recorded By: Cody Lezak, Secretary

ATTENDANTS

Bill Gregory	L.J. Early Co.
Nathan Mascolino	VHV
Ray Hickey	ACS
Rob Favali	DuBois & King Inc
Tim Houle	ACS
Gregory Liebert	Liebert Engineering, Inc.
Karen Supan	Norwich University
Cody Lezak	VEIC
Jason Hudspath	TES
Michael VanHorn	Control Technologies
Maribella Ibarra	VEIC
Mike Spasyk	DuBois & King
Steve O'Malley	VEIC
Rachael Mascolino	VEIC
Parker Hoblin	VEIC
Joseph Kazukenus	Thermal Environment Sales
Nicole Duquette	Efficiency Vermont
Shawn LaBelle	VHV
Steve Dumas	D&K
Pete Gagnon	ENGVT
Blaine Conner	Vermont Mechanical Inc.
Thomas Paquet	DuBois & King Inc.
Bill Root	GWR Engineering
Steve Kreigh	Mylan
Tom Zoller	Trane
Nick Rock	Control Tech
James Ashley	Green Mountain Geothermal, LLC
Jake Marin	Efficiency Vermont
Mary Jane Poynter	Efficiency Vermont
Charlie Carpenter	Efficiency Vermont
Justin Webb	Control Technologies
Tom Anderson	Anderson Consulting

Josh Chiappone	Johnson Controls
Chuck Rainville	Hallam-ICS
Brian Meneghan	Carrier Corporation
Chris Reilly	Vermont Tech
Peter Bailey	DEI
Ray Spears	TRANE Burlington VT- C2
James Stevens	Johnson Controls
Sheryl Graves	VEIC
Mike Cook	ARC Mechanical
Jim Shiminski	DAC
Ben Basiliève	VHV
Dick Wilcox	VHV
Rich Fredette	Urell

This month's general meeting was a membership promotion night and featured a presentation by Jim Shiminski focused on high performance air to air heat recovery systems. The first half of the presentation focused on the basic concepts and applications of heat pipe systems.

At the break for dinner Josh Chiappone, Member Promotion Chair recognized the new chapter members and new student members. As part of membership promotion night members who brought guests and their guests were given raffle tickets for the membership promotion prize.

For the second half of the presentation Jim focused on design elements such as controls, coil selection, and baffling that improve heat pipe effectiveness. Jim also spoke more to system costs, application and potential savings.

To conclude the meeting the membership promotion night prize and the 50/50 raffle were handed out.

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



Champlain Valley Chapter
2nd semi-annual
EXPO ON WHEELS

Join us on June 4th at the
Champlain Valley Exposition
to see the latest in HVAC
Equipment & Technology,
tailgate style!

Date: June 4th 2014

Times:

- 2:00pm - 6:00pm - Tailgate Party and open Expo**
- 9:00am - 2:15pm - Greenheck AIRTOUR Training (4 PDHs)**
(Additional costs apply for this class)
- 2:30pm - 3:30pm - Trox Chilled Beam System Design (1 PDH)**
- 4:30pm BBQ Dinner**

Location:

Champlain Valley Exposition, Essex Junction

For more details contact
Rob Ward
802-861-6194
robw@vhv.com

-Product Displays
-Hands on Demos
-Product experts
on hand to answer
all your questions

-50/50 Raffle
-\$10 per person
-Membership not
required so bring
a friend or 5!

- Profits will go
towards ASHRAE
Research
Promotion

AIRTOUR Learning Center

ASHRAE CVC

is looking forward to our upcoming Open House and Educational sessions in
Greenheck's AIRTOUR Mobile Learning Center

- See the most comprehensive selection of air movement and control equipment in the world
- Learn about the latest advances in the industry
- Discuss your projects with knowledgeable Greenheck product engineers
- Receive professional development hours for your participation



WHERE: ESSEX FAIRGROUNDS
105 PEARL ST
ESSEX JCT. VT 05452

WHEN: JUNE 4, 2014

9:00 am - 10:00 am	Laboratory Exhaust Systems
10:00 am - 10:45 am	Understanding Fan System Effects
10:45 am - 11:00 am	Break
11:00 am - 12:00 pm	Designing Energy Efficient Outdoor Air Systems
12:00 pm - 12:30 pm	Lunch
12:30 pm - 1:15 pm	Saving Energy With Efficient Motors and controls
1:15 pm - 1:45 pm	Replacing Large Fans in Air Handling Systems
1:45 pm - 2:15 pm	Protecting Fan Motors and Improving Ventilation System Reliability

RSVP: robw@vhv.com
\$30 per person
Includes lunch and admission to the rest of the show

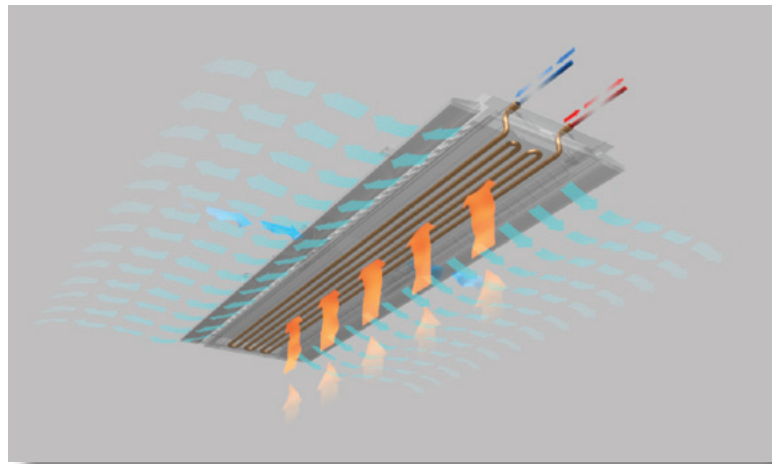
*We look forward to seeing you
at this informative event!*

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ASHRAE JOBS



Dear Chapter Webmaster:

ASHRAE partners with the job board service Bird Dog to promote employment opportunities for the ASHRAE community. This effort is called ASHRAE Jobs. The link to ASHRAE Jobs (www.ashraejobs.com) can be found on the ASHRAE home page.

Forbes Magazine ranked engineer one of the 10 hardest jobs to fill in the US today. 4 of the top ten positions included engineer, skilled trades, technician and sales. Reasons for this vary, but emerging macro level trends include:

The Obama administration's pledge to rebuild America's energy grid, energy efficiency incentives and infrastructure is increasing the need for talented engineers.

There are far too few new college graduates in engineering to replace retiring engineers.

Employers don't want to hire two or three engineers with a variety of specialties. They want one engineer who is trained in several areas.


Today, employment specialists see successful

companies shifting their talent acquisition strategies from being reactive to an "always recruiting" proactive approach. Another trend is organizations recruiting for attitude and cultural fit and then training new hires to do the job.

Since ASHRAE migrated ASHRAE Jobs to reside in the BirdDog applicant tracking system (ATS), ASHRAEJobs is now a one-stop location where your employers can search for certain skill sets and demographics that they are "always looking for" and build a talent community.

My very best regards,
 Bryan May
 EVP of Business Development
 BirdDog


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... advertising/sponsors continued on page 15



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.

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 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	800	0
Student Activities	500	656
Technology Transfer	1050	0
Research & Promotion	1050	640
History	300	75
Grassroots Government Activities	650	0
Chapter Operations	1000	1110
Chapter TOTAL	5050	2481

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