



The Champ Monthly Newsletter

of the Champlain Valley Chapter of ASHRAE

PRESIDENT'S MESSAGE



I do believe that spring has sprung; things are looking a whole lot greener out there. I hope everyone has had a chance to get outside and enjoy this wonderful weather and get some exercise and

spend some time with family and friends. I know it's hard to balance our very busy professions, family life, and giving back to the community but getting outside and burning a few calories is essential.

We have had a *very busy* April here at ASHRAE CVC. We held an election via electronic ballot ~ winners will be announced at the May 9th meeting. We awarded three Scholarships totaling \$3,000.00 to two very talented and deserving students, Kristen Gulrajani and Rebekka Dimick both of VTC. We held a fantastic meeting at VTC, hosted by our student chapter. We also hosted an ASHRAE webcast at Vermont Heating & Ventilating Co. in Winooski, VT with FREE lunch by Efficiency Vermont. Lets see there's more; we've been planning a big Research Promotion Event for June ~ A VOLLEYBALL tournament – more information to follow on that event. Oh and did I mention we're hosting the ASHRAE Region 1 CRC in August? And the President and Vice President of Society

will be in attendance. Yeah, you could say we've been busy.

- Tom Dacres

ASHRAE CVC UPCOMING EVENTS

May 2013 Chapter Meeting

When: Thursday, May 9th @ 5:30 PM
Where: Switchback Brewing Co.
160 Flynn Avenue
Burlington, VT 05401

Schedule:

5:30pm-8:00pm

- Tour of Switchback Brewery's new bottling line
- BBQ dinner
- Membership promotion night

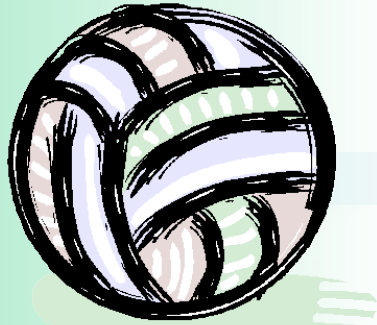
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SAVE THE DATE: JUNE 5TH

After a ten year hiatus the ASHRAE CVC Volleyball tournament is back! Look for more information in the coming weeks. 100% of the proceeds will be donated to ASHRAE Research Promotion.



TECHNOLOGY TRANSFER

It's Here! It's finally Here! Spring! The grass is green(er), the days are warm, and there is action once again at Fenway. The end of our ASHRAE year is near and we have saved the best for last!

I hope that everyone can join us for the May meeting at Switchback Brewery to tour their new bottling line. We had to change the date of our meeting to accommodate the brewery's schedule. We will have this tour on the 9th of May. The 9th is the second Thursday in May, please mark your calendars. After the tour we will head to the Hampton for dinner and some membership promotional give-aways, and a possible surprise speaker. (more to follow on that).

May will be the last meeting of the 2012–2013 ASHRAE year, and I thank everyone for their participation and attendance this year. The summer season this year will be an exciting one. The annual golf outing will be once again in August, and this summer we (the CVC chapter) will be hosting the CRC (Chapter Regional Conference) in Burlington.

Think Spring
Nathan Mascolino

STUDENT ACTIVITIES

VTC Chapter

Committee Chair: Shawn LaBelle

Student Chapter Advisor: Chris Reilly

Student Chapter President: Kristen Gulrajani

First I want to thank Vermont Technical College and the students for hosting our April meeting again. This has made it the Fifth year in a row that the college has hosted our April Meeting. All Five years we have had a turnout greater than 40 people, that is great. I also want to thank Cara Martin the YEA regional Coordinator for taking the time to travel up to Vermont and attend our student meeting. It is great to have regional support.

I want to take the time to congratulate Kristen Gulrajani and Rebekka Dimick who are our 2013 VTC ASHRAE Award recipients (\$250/ea). I also want to congratulate Kristen Gulrajani who is our 2013 Past Presidents Memorial Scholarship recipient (\$2,500). Kristen and Rebekka are currently the President and Co-President of the Student ASHRAE Chapter at VTC and will be graduating this spring. These Awards were presented to the students during the VTC Awards Ceremony. Thanks goes out to Nathan Mascolino for representing the ASHRAE Champlain Valley Chapter at the ceremony in my absence. Again congratulations Kristen and Rebekka!

The scholarship and award money is funded by all the proceeds from our newsletter advertisement. So a big thanks goes out to all who paid for an advertisement in the newsletter this year.

Thanks!
Shawn LaBelle

Leadership Quote of the Month

"You are what you do, not what you say you'll do"

~ C.G. Jung

TREASURE'S REPORT

As of April 12, 2013 our TD Bank account is \$10,768.45 and all of our bills are paid up to date with our ASHRAE CVC account reconciled.

Our CRC-2013 Bank checking account has climbed to \$27,269.84 up slightly from last month. The CRC-2013 checking account has also been reconciled.

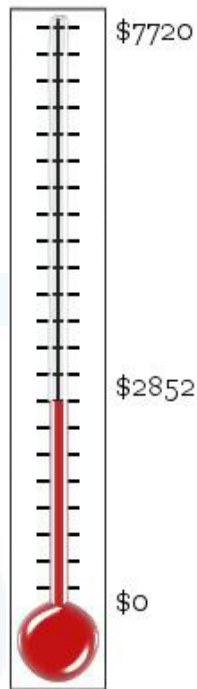
All but (1) deposit from our Sponsors are in and we again want to thank all of our participating Sponsors for their help.

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
2012 - 2013

RESEARCH PROMOTION

2012-2013
Progress!!!



Keep an eye out for information on the upcoming volley ball tournament on June 5th. This will be our last fundraising opportunity for the 2012-13 year and as you can see we have a long way to go to meet our goal. I hope to see you out there.

Thank you,
Rob Ward
RP Chair



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2012-2013 ASHRAE CVC MEETING CALENDAR

MAY 2013

Vol. 27 No. 08

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	Aug 15-17
<p>4:00 pm: BOG Meeting @ Hampton Inn</p> <p>5:00 pm: Social Hour Cash Bar</p> <p>5:45 pm: Buffet Dinner Served</p> <p>6:30 pm: Main Presentation- Dan Harris P.E. from the New Buildings</p>	<p>4:00 pm: BOG Meeting @ Hampton Inn</p> <p>5:00 pm, Social Hour and cocktails</p> <p>6:00 pm: VT State Rep. Robert Krebs, & Brad Aldrich, PE will present in favor of the NCEES Rule</p> <p>7:00 pm: Buffet Dinner Served</p> <p>8:00 pm: Jeffrey R. Mountain, PhD will give a presentation in opposition to the proposed NCEES rule</p>	<p>BOG Meeting - TBD</p> <p>Vermont Technical College - Red School House</p> <p>6:00 pm: Student Chapter Presentation on Winter Meeting Trip to Dallas, TX</p> <p>Large pellet boiler and hopper Tour @ Red School House VTC</p> <p>Student ASHRAE Design Competition submission(s) Buffet Dinner Served @ Red School House VTC</p>	<p>5:30 pm: Tour + BBQ + MP night</p> <p>Meeting Theme: Tour of the Switchback Brewery new bottling line.</p>	<p>ASHRAE Region 1 Chapter Regional Conference (CRC)</p> <p>Hilton Hotel</p> <p>Burlington, VT</p>



The CHAMP

MEMBERSHIP PROMOTION NIGHT

-Join us on May 9th, 2013 at Switchback Brewery for some beers, dinner, a tour AND...MEMBERSHIP PROMOTION!!!

-Membership and its knowledge is the basis of ASHRAE!! To continue and grow this base, we must grow our membership!

****Please encourage attendance amongst peers and co workers*

-Free Raffle Giveaway- A Case Of Switchback Ale!!!

****Those who bring guests, will be given 1 additional raffle ticket per guest*



Switchback Tour May 9th at 5:30 PM Membership Promotion Night!

We will be meeting at the brewery (160 Flynn Ave Burlington Vermont) for a behind the scenes tour of the brewery with specific interest in the new bottling line. Please plan on arriving a few minutes early.

After the tour and some product samples we will make our way to the Hampton Inn for dinner, and some membership promotional give-aways. There may be a short presentation in the spirit of the evening's theme. Keep an eye on the website for updates on this possible surprise.



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)



Gold Level (\$2,500 minimum)



Silver Level (\$500 minimum)

Vermont Heating and Ventilating
Multistack
Vermont Mechanical
F.W. Webb
Blake Group
Dubois and King, Inc.
Viega

Quality Air Control
Daikin AC
L.J. Early
Yeaton Associates
Hallam-ICS
Acme Engineering Prod. Inc
Vermont Gas Systems

Bronze Level (\$150 Minimum)

R.F. Peck
ARC Mechanical
Advanced Comfort Systems

Control Technologies
R.J. Murray
Dodge Engineering and Controls

Vermont Product Partners



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



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Cara Martin

YEA Regional Coordinator (YRC), Region I

Reply to: 25 Delaware Avenue
Delmar, NY 12054
☎ 518-439-8235
E-mail cmartin@novusengineering.com

Chapter Visit Trip Report

Chapter Visited: Champlain Valley
Location: Vermont Technical College, Randolph, VT
Date of visit: April 3, 2013
Date of report: April 8, 2013

To: Tom Dacres – Champlain Valley Chapter President

From: Cara Martin – Region I YRC

Subject: Champlain Valley Chapter Visit on April 3, 2013

Attachments: Chapter Trip Report Form

The April meeting for the Champlain Valley was held at the Red School House on the Vermont Technical College campus in Randolph, VT, which is not the usual meeting place for the chapter. The meeting was held in conjunction with the student chapter branch at the college and was the perfect opportunity for me to address the chapter and students about Young Engineers in ASHRAE (YEA).

I arrived shortly before 6pm and was greeted by Chapter President Tom Dacres. Other meeting attendees started arriving around 6pm. Approximately 35 people had registered for the event, which was just slightly lower than the chapter's average monthly attendance of 40. Approximately 10 students were present from the college.

At 6:15pm, Professor John Kidder provided a tour of the wood pellet boiler used to heat the Red School House. The building was previously heated with oil exclusively, but the college received a grant to install a wood pellet boiler. Last summer, several students experimented with making pellets made out of grass. They were successful and research will continue this summer to evaluate the performance of the boiler with several different types and ratios of wood and grass pellets.

Following the tour of the boiler system, five students (of the six who attended) presented on their trip to the ASHRAE Winter Meeting in Dallas, TX this past January. Both the College and the Champlain Valley Chapter provided financial assistance to enable the trip. The students had an excellent experience and were very thankful for the opportunity.

Dinner was a BBQ buffet and was served at 7pm. People finished eating around 7:45pm, at which point several chapter announcements were made, including chapter officer nominations for the 2013-14 ASHRAE year. I was allotted some time to address the chapter and summarized YEA activities and goals. Following these announcements, two student groups presented their senior design projects, which meet the criteria for the ASHRAE Student Design Competition. Both presentations were well done and provoked several good questions and discussion.

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

A N I N T E R N A T I O N A L O R G A N I Z A T I O N



Cara Martin
YEA Regional Coordinator (YRC), Region I
4/8/13
Page 2 of 2

Overall, I had an excellent trip and visit to the Champlain Valley Chapter and Vermont Technical College! I thoroughly enjoyed interacting with the students and appreciated the thoughts and ideas I collected from the chapter about YEA activities. Many thanks to the entire chapter for their warm hospitality, particularly in their assistance in making hotel accommodations.

Yours in ASHRAE,

Cara Martin
YEA Regional Coordinator (YRC), Region I

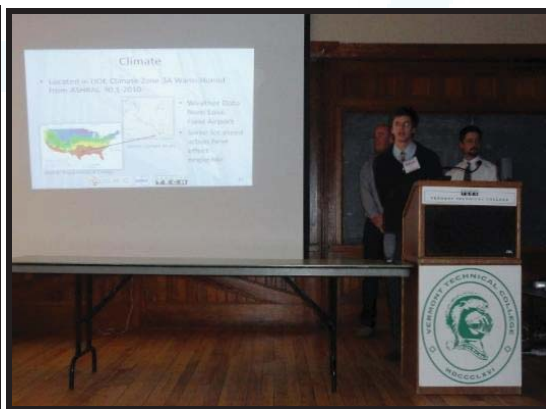
Attachment: Trip Checklist



Frohling P4 Boiler



Prof. John Kidder Describing the System



Student Presentations

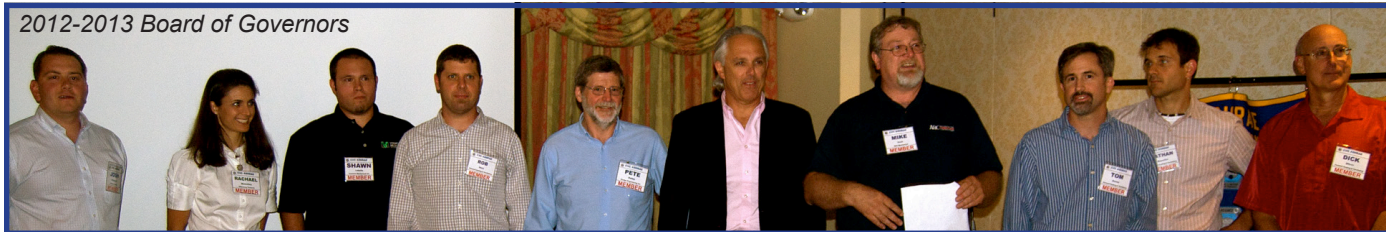
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

AN INTERNATIONAL ORGANIZATION

ASHRAE	
Region I	
Chapter Visit by Region I EXCOM	
Trip Report	
<u>Information</u>	
Region I EXCOM Visitor:	Cara Martin
EXCOM Title	YEA Regional Coordinator, Region I
Chapter Visited:	Champlain Valley
Date of Chapter Visit:	4/3/2013
Date of this report:	4/8/2013
Mode of Transportation (Air, Car, Train, Bus, etc.):	Car
If by air or train, did chapter arrange transportation between airport / train station, and hotel?	N/A
Board of Governors Meeting	
Held? (Yes or No)	No
BOG Mtg.. Held same night as dinner mtg?	Typically yes, but not for this meeting as it was at an alternative location
If yes, is this normal practice?	N/A
Quorum?	N/A
Attendance - # present vs. #@100% attendance	N/A
Paperless?	N/A
Agenda Followed?	N/A
Committee Reports?	N/A
Minutes from previous meeting approved?	N/A
Minutes being taken?	N/A
MBO's - Does president have?	N/A
If yes, were MBO's reviewed?	N/A
Treasurer's report?	N/A
Chance for visitor to address the BOG?	N/A
Robert's Rules of Order followed?	N/A
Start on Time?	N/A
End on Time?	N/A
Comments:	Other regional representatives have had the opportunity to attend BOG meetings for this chapter.
Dinner Meeting	
Lunch Meeting or Dinner Meeting?	Dinner
Full meal?	Yes
If not, what?	
Facility type? (hotel, restaurant, ?)	College meeting space; Vermont Technical College
Facility Name	Red School House
Food description	Traditional BBQ, pasta salad, fruit salad, cornbread, blueberry cobbler
Attendance #	approximately 36 - 40
Students present? If so, how many?	Yes, approximately 10
Cost? (member / non-member / student)	\$30 member / \$35 non-member / \$10 student member / \$15 non-student members
Alcohol Served & if cost included?	No
Social Hour?	Yes, approximately 15 minutes at the start of the meeting
Tech session held prior to main program?	Yes, tour of wood boiler; then students presented on their trip to the Winter Meeting in Dallas
Length of time for tech session:	45 minutes
Introductions made ? (such as self intros)	No
General announcements made at beginning?	following the tech session and dinner
If yes, how much time allotted?	15 minutes total for general announcements
Fundraising activity? (Such as 50/50 for RP)	no
Main Speaker?	yes, students presented on their student design competition / senior design projects
Length of time for main speaker:	approximately 1 hour
Any Commercialism issues?	No
If yes, explain:	N/A
PDH's offered?	no
If yes, # attendees requested PDH's?	N/A
Facilities adequate?	yes
Speaker Evaluation Forms available?	yes
Did speaker engage audience?	Yes - Lots of Q&A, no one left early
Time that you as a visitor was allotted to speak:	spoke for approximately 5 minutes on YEA
Special theme (such as RP night)?	SA
Comments:	great meeting overall. Well organized and enjoyed by those in attendance.
General Comments on Visit Overall	
Great hospitality and membership. Look forward to hearing more about future YEA activity.	



2012-2013 Board of Governors



BOG MEETING MINUTES

April, 2013 BOG Meeting Minutes

Date: 04/04/2013

Location: Vermont Heating & Ventilating, Winooski VT

Time Called to Order: 12:08pm

Called to Order By: Tom Dacres

Minutes Recorded By: Rob Ward

ATTENDANTS

Tom Dacres	VHV
Rob Favali	Dubois & King
Dick Wilcox	VHV
Peter Bailey	Dodge Engineering & Controls
Rob Ward	VHV
Tom Zoller	Trane
Joshua Chiappone	Johnson Controls
Nathan Mascolino	VHV

LAST MEETING MINUTES

A motion was made by Dick W. to approve March 2013 Meeting Minutes. It was seconded by Nathan M. and the motion was carried.

OFFICER REPORTS

A.) PRESIDENT: TOM DACRES

- a) Tom its working on completing the documents required for the ASHRAE State registration.
- b) Dick W & Peter B met on 4/2/13 to review the website the approval is subject to approval by region 1.
- c) Tom gave an update of where we are at with PAOE Points

d) Newsletters articles are due by 04/19/13.

e) Tom gave an update on the Presidential theme. Dick W is working with Steve Poole to get the information to get started on the project.

f) There was an announcement of the nominees for next year's chair positions and there were multiple nominees for the position of secretary. An election will be required. Rob Ward to set up a File Monkey survey and have it sent out to the member with voting status.

B.) PRESIDENT ELECT: NATHAN MASCOLINO – CTTC CHAIR

- a) The meeting at VTC on the 3rd was a big success. Rob W. to draft a thank you letter to send to VTC for hosting the meeting.
- b) VHV to host an ASHRAE webcast titled Assessing Building Energy Performance: From Principles to Practice. Lunch has been donated by Efficiency Vermont.
- c) It was noted that monies for Membership Promotion Centralized Training will need to be approved by the May meeting.
- d) The date of the May meeting is going to change due to a conflict with the bottling line schedule at Switchback.

C.) NATHAN IS LINED UP FOR PRESIDENT ELECT TRAINING IN TROY, NY

D.) VICE PRESIDENT: ROB FAVALI

- a) Nothing new to report

E.) TREASURER – PETER BAILEY

- a) Nothing new to report

F.) CHAPTER SECRETARY: ROB WARD –

RESEARCH PROMOTION CHAIR

a) There was as short discussion on fundraising ideas. It was decided that a volleyball tournament would be a great idea. Tom D. is the keeper of the old Volleyball plaque and he plans to offer it to the winner.

G.) HISTORY: MIKE COOK

a) Nothing new to report

H.) REFRIGERATION: PETER BAILEY

a) Nothing new to report

I.) ELECTRONICS COMMUNICATION CHAIR: RACHAEL MASCOLINO

a) The website is up to date.

J.) MEMBERSHIP PROMOTION CHAIR: JOSHUA CHIAPPONE

- a) We are +1 member for the year so far.
- b) The May meeting is Membership Promotion night and Josh is going to give away a case of Switchback at the event.

K.) STUDENT ACTIVITIES – SHAWN LABELLE

a) Shawn announced that he will be stepping down after this year.

K.) YEA COMMITTEE: SHAWN L., RACHAEL M., JOSH C.

a) Nothing new to report

OLD BUSINESS:

None

NEW BUSINESS:

None

MEETING ADJOURNED

A motion was made by Tom Dacres to adjourn the meeting. It was seconded by Nathan Mascolino and the motion was carried. The meeting adjourned @ 1:24 PM.

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

GENERAL MEETING

April 3. 2013 General Meeting Minutes

Date: 04/03/13

Location: VTC, Randolph VT

Minutes Recorded By: Rob Ward, Secretary

ATTENDANTS

Tom Dacres	Vermont Heating & Ventilating
Peter Bailey	Dodge Engineering & Controls, Inc.
Greg Royer	SmartWatt Inc
Tim Houle	Advanced Comfort Systems
Harris Unger	Advanced Comfort Systems
Rob Favali	DuBois & King Inc.
Rachael Mascolino	VEIC, Efficiency Vermont
Nathan Mascolino	Vermont Heating & Ventilating
Dan Reilly	Gourley
Esther Covey	Vermont Technical College
Cara Martin	Region 1 - YRC - Speaker
Rob Ward	Vermont Heating & Ventilating
Scott Sabol	VTC
Gwendolen St.Sauveur	VTC Student
Jere Berger	VT Mil Dept
Chris Reilly	VTC
Terry Murphy	VTC
Phil Conroy	VTC
Joseph Kazukenus	Thermal Environment Sales
Michael VanHorn	Control Technologies
Greg Cadieux	VTC Student - Speaker

CONGRATS VTC AWARDS NIGHT WINNERS

Blaine Conner	VTC Student - speaker
Patty Danahy	VTC Student - speaker
Bailey Dimmick	VTC Student - speaker
Matt Molayem	VTC Student - Speaker
Jake Reed	VTC Student - Speaker
Bekka Dimick	VTC - Student
Kristen Gulrajani	VTC Student
Tim Meyer	VTC Student
James Ashley	Green Mtn Geo
John Grout	Victaulic
PhilBresnahan	VMI
Jim Lavallee	VMI
Scott Alexander	LN Consulting
Josh Chiappone	Johnson Controls
Michael Cook	ARC
Steve Poole	Vermont Heating & Ventilating
Tom Anderson	
Dennis Guilbeault	

The meeting started with a tour of the mechanical room below the meeting hall that housed the new pellet fired boiler and pellet hopper. There was also a presentation on test that the students had been running on their own pellet production system and the different materials that they were experimenting with.

The tour was followed by a break for dinner.

After dinner was a presentation by the YEA Regional Coordinator (YRC) for Region 1, Cara Martin.

The student chapter then presented on their design competition submissions.

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



26 PROPOSED ADDENDA TO ASHRAE/IES ENERGY STANDARD OPEN FOR PUBLIC COMMENT

ATLANTA - With the 2013 version of the ASHRAE/IES energy standard scheduled for publication later this year, many changes are being proposed to strengthen its requirements.

As such, 26 proposed addenda to ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings, are open for public comment.

“As we move toward publication of the 2013 standard, the 90.1 committee is considering many changes to reduce building energy use and cost,” Steve Skalko, chair, said. “The proposed addenda reflect a variety of changes to the standard, many of which are the result of earlier public review comments. These changes contribute to our goal of making the standard 40 to 50 percent more stringent than the 2004 standard.”

The energy cost goals for the 2013 standard are:

- Regulated Loads only - 50 percent target includes only regulated energy end use loads as included in the Standard 90.1-2004 baseline.
- Whole building - 40 percent target, which includes all energy end uses

Twenty-two proposed addenda are open for public comment from March 22-April 21, 2013. For more information, visit www.ashrae.org/publicreviews. They are:

- aa mandates direct digital control (DDC) for certain applications in both new buildings and retrofits where cost effective and defines the minimum capability of mandated DDC

systems.

- bo adds requirements for use of gas condensing service water heaters in newly constructed buildings.
- bs reduces the occupancy threshold for demand controlled ventilation from greater than 40 people per 1000 square feet, with exemptions for certain occupancies, to equal to or greater than 25 people per 1000 square feet, expanding the occupancies where demand controlled ventilation is required.
- co corrects the calculation of hotel and motel type guestroom spaces based on an error in applying the room geometry of the space type, which then changes the associated whole building lighting power densities (LPDs) for hotel and motel.
- cr modifies the designation for the types of facilities eligible for the higher LPDs based on use of space for those needing additional lighting for age and other related eye issues.
- ct corrects an error for the addition of HVAC systems to heated only storage areas in Appendix G. The single zone systems would be assigned to a single thermal zone vs. being grouped with the multiple zone systems.
- cw uses the new SS-EN ISO 25745-1:2012 to add a movement energy efficiency requirement for elevators.
- cy revises the requirements for the use of exhaust air energy recovery as defined in 6.5.6.1. In 2012, addendum bt expanded down the range for the use of exhaust air energy recovery to 10 percent ventilation rates. In addition, energy recovery was removed for climate zones 3B, 3C, 4B, 4C, and 5B for >70 percent outside air. These changes were based on the latest performance and economics analysis,
- cz ensures revisions to a table and new

footnotes are consistent with Section 303 of the Energy Independence and Security Act of 2007 (EISA 2007), which increased the federal minimum efficiency standards for residential-sized boilers. Section 303 increased the minimum annual fuel utilization efficiency for gas and oil-fired boilers, and established design requirements for certain types of new boilers manufactured or imported for use in the United States. All of the efficiency and design requirements took effect for equipment built on or after Sept. 1, 2012.

- da provides two compliance paths for high speed doors within the Mandatory Air Leakage requirements. It also clarifies which test glazed overhead doors are to follow.
- db addresses an error in addendum bb contained within Table 5.5-3, under the category “Floors, Steel Joist” and in the cells assigned to the “residential” occupancy.
- dc clarifies that rooms within suites should be handled individually when one becomes empty.
- dd clarifies the exception to re-roofing and roof re-covering.
- de revises the design point for waterside economizers in computer room applications.
- df replaces current minimum performance requirements for packaged Computer Room Air Conditioners shown in Table 6.8.1k with a new table based on Standard 127-2012. The standard had referenced the 2007 version of Standard 127, Method of Testing for Rating Computer and Data Processing Room Unitary Air Conditioners. AHRI and member companies have agreed to test their equipment under the new standard. The test configurations were increased and the performance values updated accordingly.
- dg changes the reference to the 2012 ANSI/

CRRC Standard from the 2010 version.

- di prohibits use of fossil fuels and electricity for humidification above 30 percent RH and dehumidification to 60 percent RH, except in special circumstances. Where control is required within the 30-60 percent region, a deadband is required. Where even tighter control is mandated, the system is exempted.
- dj offers an increase in electrical/mechanical rooms in cases where the current proposed allowance of 0.42 W/sqft is not considered sufficient to provide needed vertical and horizontal illuminance given the varied configuration of electrical/mechanical rooms. The additional allowance would have to have separate control and could not be traded off to other spaces in the building.
- dk eliminates the exemption for wattage used in spaces where lighting is specifically designed for those with age related or other medical condition related eye issues where special lighting or light levels might be needed.
- dl corrects the calculation of hotel and motel type guestroom spaces based on an error in applying the room geometry of the space type and combines them into a single value since the calculated value are determined to be the same for code purposes.
- dn revises the requirements for the use of hot gas bypass as defined in section 6.5.9 and table 6.5.9.
- do is updating referenced standards in various provisions covering mechanical systems in 90.1-2010.

In addition, three addenda under review that received public comments in earlier reviews have been revised and are open for public comment from March 22-May 6, 2013. They are:

- ac provides for two compliance paths with regard to utilizing air spaces in conjunction with reflective surfaces.
- bm makes the baseline building in Appendix G equivalent to 90.1-2004 for interior lighting design.
- cl modifies IEER requirements for the air cooled air conditioners ≥65,000 Btu/hr and < 135,000 Bu/hr to increase the IEER from 12.8 to 12.9 for electric resistance heating units and 12.6 to 12.7 for gas fired units. It also revises air cooled heat pumps ≥65,000 Btu/hr and < 135,000 Bu/hr for electric resistance heating units from 12.0 to 12.2 and from 11.8 to 12.0 for gas fired units.

In addition, one addendum opens for public review on March 29, closing April 28.

- Addendum cv develops baseline energy use guidance for public assembly spaces toward assessing energy performance achievement of a proposed building. Public assembly spaces are typically designed and operated differently than surrounding spaces.

ASHRAE EXPANDS JOBS OPPORTUNITY BOARD

ATLANTA - ASHRAE members now have increased opportunities to find jobs within their chosen field under an expanded jobs board.

The expansion between ASHRAE and BirdDog, which have worked together since 2009 to provide job board support at www.ASHRAEjobs.com, will make it easier for employers to fill built environment technology positions, as well as provide ASHRAE members with increased opportunities to find jobs within their chosen fields. The expanded

ASHRAEjobs site specifically allows employers, looking to hire ASHRAE members, to post their listings throughout the BirdDog family of job boards, as well as ensure all ASHRAE members have the opportunity to see the job posting.

“Our members are in high demand, and that’s good news,” Tim Wentz, volunteer chair of ASHRAE’s Publishing and Education Council, which oversees ASHRAEjobs.com. “Unfortunately, like so many industries, companies wanting to or already employing ASHRAE members, report troubles finding the right candidate. The improved ASHRAEjobs site, along with its four years of history, gives us the foundation to expand our efforts and ensure the right talent is being matched up with right job.”

“It had become evident in the past year that there was a gap between what we had in place and an increasing demand for both employers and job seekers to have a solution that was both effective and efficient,” Bryan May of BirdDog said.

This announcement comes at a time where employers are reporting difficulties finding qualified candidates for open positions. ASHRAE members are the global leaders of building technology. To qualify as a full ASHRAE member, a minimum of 12 years professional experience must be shown in the industry.

The new service launched April 15, 2013. Employers who have questions about the expanded partnership should contact Bryan May at 515-473-9212.

BirdDog provides a cloud-based recruitment and applicant tracking software to small and medium sized companies across the country that simplifies the hunt for right-fit candidates.

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Note: You may register up to 24 hours prior to an online course. Courses are in US Eastern Standard Time.



Basics of High-Performance Building Design

Mon, March 18, 2013 – 1:00 pm to 4:00 pm EDT

Instructor: Tom Lawrence, Ph.D., P.E., Member ASHRAE, LEED® AP

Air-to-Air Energy Recovery Fundamentals

Wed, March 20, 2013 – 1:00 pm to 4:00 pm EDT

Instructor: Paul Pieper, P.Eng., Member ASHRAE

Advanced High-Performance Buildings Design

Mon, March 25, 2013 – 1:00 pm to 4:00 pm EDT

Instructor: Jeff Ross-Bain, P.E., Member ASHRAE

Air-to-Air Energy Recovery Applications: Best Practices

Wed, March 27, 2013 – 1:00 pm to 4:00 pm EDT

Instructor: Paul Pieper, P.Eng., Member ASHRAE

Complying with Standard 90.1-2010: Envelope/Lighting

Wed, April 17, 2013 – 1:00 pm to 4:00 pm EDT

Instructor: Joe Deringer, AIA, Member ASHRAE, LEED® AP



Humidity Control Troubleshooting

Mon, April 22, 2013 – 1:00 pm to 4:00 pm EDT

Instructor: Lew Harriman, Fellow ASHRAE

Combined Heat & Power: Creating Efficiency Through Design & Operations

Wed, April 24, 2013 – 1:00 pm to 4:00 pm EDT

Instructor: Lucas Hyman, P.E., Member ASHRAE, LEED® AP

Complying with Standard 90.1-2010: HVAC/Mechanical

Mon, April 29, 2013 – 1:00 pm to 4:00 pm EDT

Instructor: Mack Wallace, P.E., Member ASHRAE, LEED® AP

The Commissioning Process & Guideline 0

Wed, May 1, 2013 – 1:00 pm to 4:00 pm EDT

Instructor: Walter Grondzik, P.E., Fellow/Life Member ASHRAE, LEED® AP

Fundamental Requirements of Standard 62.1-2010

Wed, April 17, 2013 – 1:00 pm to 4:00 pm EDT

Instructor: Hoy Bohanon, P.E., Member ASHRAE, BEAP, LEED® AP

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HVAC Design: Level I - Essentials

This training provides intensive, practical education for designers and others involved in delivery of HVAC services. 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.

Registration is \$1239, \$989 (ASHRAE Member)

Enroll 3 or more participants from the same company and save!



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.

Registration is \$829, \$679 (ASHRAE Member)

Enroll 3 or more participants from the same company and save!

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

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 - 2013
Membership Promotion	800	205
Student Activities	500	685
Technology Transfer	850	675
Research & Promotion	1050	765
History	300	100
Chapter Operations	600	1000
Chapter TOTAL	4100	3430

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Rachael Mascolino T: (802) 540-7846 rmascolino@veic.org	Mike Cook T: (802) 291-0911 mcook@arcmech.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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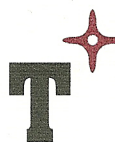
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