



# the Champ

## Monthly Newsletter of the CHAMPLAIN VALLEY CHAPTER OF ASHRAE

Serving Vermont Since 1969

### President's Message



The 2010-2011 ASHRAE year ended with a great event at Champlain College. I want to thank the 43 people who attended. I hope everyone got to enjoy the good food, the great taste of Switchback beer and the tours provided by Bob Bolin of Champlain College. I especially want to thank Pete Bailey, Dick Wilcox and Bob Bolin for putting together the end of the year

event and Champlain College for allowing us to tour the ice storage system, waste water heat recovery system and the small house co-gen system.

I want to thank all the officers, and members who helped make this year a success. Our meeting attendance and membership continues to grow even during these economic hardships which is why the Champlain Valley Chapter continues to stand out from the rest within Region I. I want to thank Natasha Yaryna and Matt Tanis for the great work they provided the chapter over the past years along with Cara Gorman for coming on board as our new Newsletter Editor and Website Administrator. She has done a great job this year and has some good ideas that we will soon be implementing into our website. Mike Cook will be our incoming president for the 2011-2012 ASHRAE year and has some great ideas for the chapter.

The golf committee led by John Grout is working hard to set up this year's annual golf outing. The Champlain Valley Golf outing is currently scheduled for Wednesday August 3rd at the Williston Country Club. More details will be sent out to members shortly. Thank you John Grout, Ray Hickey and Dan Connelly for your hard work and support.

This experience as chapter president has truly been a great opportunity for me to grow as a professional within the

HVAC community. It has been a lot of work but a lot of fun at the same time and I really appreciate the opportunity to serve as the 2010-2012 ASHRAE Champlain Valley Chapter President. Thank you, have a great summer, and I look forward to seeing everyone in September

Sincerely,  
*Shawn LaBelle*  
Chapter President

### Champlain Valley ASHRAE Annual Golf Outing

**Wednesday, August 3rd @ Williston Golf Club**  
Shotgun Start at 1:00 PM

Please look for your official golf notice after the Fourth of July Holiday break. A "Summer Barbecue" dinner will be served after the event and is included in your entry fee. Additional prizes will be awarded along with a few other new surprises. Please mark this date in your calendar and we hope to see you at the course.

**Golf Committee**  
**(John Grout, Ray Hickey, & Dan Connelly)**

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# 2010-2011 ASHRAE CVC MEETING CALENDAR

Vol. 25 No. 11 June 2011

September 1 <sup>st</sup>	October 6 <sup>th</sup>	November 3 <sup>rd</sup>	December 8 <sup>th</sup>	January 5 <sup>th</sup>
<p><b>The Essex</b></p> <p><b>BOG Meeting</b> - 4:30 pm <b>Presentation</b> - 6:00 pm <b>Dinner</b> - 7:00 pm</p> <p>HVAC Seismic Restraints</p> <p>Part 1 - Codes and Standards</p> <p>Part 2 - Applications Steve Fey - Mason Industries</p>	<p><b>The Essex</b></p> <p><b>BOG Meeting</b> - 4:30 pm <b>Presentation</b> - 6:00 pm <b>Dinner</b> - 7:00 pm</p> <p>Tech Session - Chilled Beams / Krueger</p> <p>Main Presentation - Vermont Commercial Building Energy Code</p> <p>Tim Guiterman, Navigant Consulting</p>	<p><b>The Essex</b></p> <p><b>BOG Meeting</b> - 4:30 pm <b>Presentation</b> - 6:00 pm <b>Dinner</b> - 7:00 pm</p> <p>Membership Promotion and Joint Meeting with Vermont Green Building Network (VGBN)</p> <p>USGBC - Lisa Whited - LEED Accreditation, Training &amp; Maintenance</p>	<p><b>Hampton Inn</b></p> <p><b>BOG Meeting</b> - 4:30 pm <b>Presentation</b> - 6:00 pm <b>Dinner</b> - 7:00 pm</p>	<p><b>Hampton Inn</b></p> <p><b>BOG Meeting</b> - 4:30 pm <b>Presentation</b> - 6:00 pm <b>Dinner</b> - 7:00 pm</p> <p>Joint Meeting with RSES</p> <p><b>Speakers</b></p> <p>Jerry Kelman (Rawal – APR Control Devices)</p> <p>Walt Joncas (Hy-Save Technology – refrigeration pumping)</p>
February 9 <sup>th</sup>	March 2 <sup>nd</sup>	April 6 <sup>th</sup>	May 4 <sup>th</sup>	June 1 <sup>st</sup>
<p><b>Hampton Inn</b></p> <p><b>BOG Meeting</b> - 4:30 pm <b>Presentation</b> - 6:00 pm <b>Dinner</b> - 7:00 pm</p> <p><b>ASHRAE Distinguished Lecturer</b></p> <p>Chris Mathis presenting on:</p> <ol style="list-style-type: none"> <li>Energy Efficient Window &amp; Fenestration Technologies</li> <li>How Long Will It Last? – Addressing the Challenge of Sustainability</li> </ol>	<p><b>Hampton Inn</b></p> <p><b>BOG Meeting</b> - 4:30 pm <b>Presentation</b> - 6:00 pm <b>Dinner</b> - 7:00 pm</p> <p>Presentations</p> <ol style="list-style-type: none"> <li>John Morris of Motivair -Chiller water applications for data centers and critical environments</li> <li>Michael Hayes of Smardt - Magnetic levitated chiller compressor technology</li> </ol>	<p><b>Judd Gym at Vermont Technical College</b></p> <p><b>BOG Meeting</b> - 4:30 pm</p> <p><b>Presentation</b> - 6:00 pm ASHRAE Hot Topic Webinar: ANSI/ASHRAE/USGBC/IES Standard 189.1-2009, Standard for the Design of High Performance Green Buildings.</p> <p><b>Dinner</b> - 7:00 pm</p> <p><b>Presentation - 8:00pm</b> ASHRAE Student Design Project, Drake Well Museum located in Titusville, PA</p> <p>Meeting Sponsored by Vermont Technical College (VTC) Student Chapter</p>	<p><b>Heritage Flight / Hampton Inn</b></p> <p><b>BOG meeting</b> - 4:15pm at Vermont Mechanical</p> <p><b>Site Tour</b> - 5:30pm Tour of the Heritage Flight Building on Aviation Drive (Everyone is to meet at 5:30pm SHARP in Heritage Flight's parking lot)</p> <p><b>Dinner</b> - 7:00 pm At the Hampton Inn</p> <p><b>Presentation</b> - 8:00 pm A panel of (4) participants will give a summary overview of their role in the design/construction of the project</p>	<p><b>End of Year Special at Champlain College</b></p> <p><b>BOG meeting</b> - Friday 5/27/11 at Trader Dukes @ Noon</p> <p><b>Site Tour</b> - 5:30pm Tours begin @ 5:30 PM SHARP at the Rozendaal Courtyard (<i>Ice Storage System, Waste Water Heat Recovery, Small House Co-Gen System</i>)</p> <p><b>BBQ Dinner</b> - 7:00 pm At Alumni Auditorium</p>



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### Technology Transfer

I would like to take this opportunity to thank all the ASHRAE members who attended the June tour and BBQ at Champlain College. Thank you to our host Bob Bolin of the facilities department at Champlain College for taking the time to open up his facility to our chapter to look at some of the interesting projects they have undertaken. I would also like to thank the Champlain College conference hosting staff for putting together a great BBQ meal that by all accounts was enjoyed by all. Thank you to Peter Bailey of Dodge Engineering and Dick Wilcox of VHV for putting this end of year event together.

June's meeting was the last scheduled meeting for the 2010-2011 calendar year and I hope you have received useful information from this year's programs. I would encourage any member who has any thoughts or ideas on future program topics to please feel free to send Tom Dacres or myself an email indicating the subject and a contact for potential presenters. Next year the theme from our new society president, Ron E. Jarnagin is "Sustaining ASHRAE through Leadership" highlighting the role ASHRAE members play as leaders in sustainable design and practices.

The next scheduled chapter meeting will take place in September, information on the topic, location and date of the September meeting will be published in a future newsletter so check out the chapter website later this summer for details. Enjoy your summer vacations and family barbeques and I will see you all come September or at the golf outing coming up soon.

## BOG Meeting Minutes

### June 2011 BOG Meeting Minutes

Date: 5/27/11  
Location: Trader Dukes  
Time Called to Order: 12:11pm  
Called to Order By: Shawn LaBelle, President.  
Minutes Recorded By: Nathan Mascolino, Secretary

#### ATTENDANTS

Shawn LaBelle	Vermont Mechanical
Mike Cook	ARC Mechanical
Scott Alexander	LN Consulting
Tom Dacres	VHV
Dick Wilcox	VHV
Nathan Mascolino	VHV
Sandy Laflamme	Efficiency Vermont
Rachael Mascolino	Efficiency Vermont
Rob Favali	DuBois & King

#### LAST MEETING MINUTES

Motion to approve May, 2011 meeting minutes was put forth by Dick W and seconded by Scott A, motion passed.

#### OFFICER REPORTS

##### **President Report/Chapter Operations: Shawn Labelle**

Shawn distributed information on the CRC. He reported that the registration is not yet open. Tom D, Peter B, and Mike Cook are going to attend this year. Nathan M may attend.

Ken S provided a motion electronically to create a bank account for the upcoming CVC chapter CRC. The motion was slightly amended in the meeting to read that Tom Zoller, and Peter B should have access to the account with a debit card and a checkbook. The amendment was made by Tom D. Tom's amendment was seconded by Nathan M. Motion passed.

Shawn reported that everyone is for the most part up to date with their PAOE points. He will follow up with anyone who still may have info to input.

There was discussion on the selection of an Audit

committee to review the chapter finances. The audit committee will be two people. Tom Z has been on the committee in the past. Shawn will check in with him to see if he is interested. The selection was tabled for a future meeting.

Shawn reported that he will send all the new chair positions to ASHRAE Region 1

Shawn reported on his checklist of items to finish out before the end of the ASHRAE year.

Shawn reported that John Grout will be the ASHRAE Golf outing chair. The golf event will be on Aug 3rd, and the format will be the same as last year.

Shawn reported that the CVC webpage has been updated.

##### **President Elect: Mike Cook**

There was discussion regarding the CRC registration. Mike reported that there was still some back and forth and the final registration cost has not been determined. We are waiting until the registration opens to book travel and rooms for the CVC chapter.

##### **Vice President/Membership Chair Report: Tom Dacres**

Tom had nothing to report

##### **Treasurer Report: Ken Secor**

Ken was not in attendance

Ken's full monthly report will appear in the newsletter.

##### **Secretary Report: Nathan Mascolino**

Nathan had nothing to report

##### **Resource Promotion: Sandy Laflamme**

Sandy had nothing to report

##### **History: Gretchen Langfeldt**

Gretchen was not in attendance

##### **Reception: Ray Hickey**

Ray had nothing to report.

**Refrigeration: Peter Bailey**

Peter was not in attendance.

**NEW BUSINESS**

Rob Favali may go to an upcoming AIA VT meeting to do a brief overview of what ASHRAE is, and what we do. There was discussion about possibly getting AIA to do a similar presentation for ASHRAE. There may be a possibility of a joint meeting with AIA in the future.

Efficiency Vermont will be holding a seminar on variable refrigerant flow at the Holiday Inn in Burlington on the 21st of June.

**MEETING ADJOURNED**

Meeting Adjournment: Motion to adjourn made by Peter B, seconded by Nathan M Meeting adjourned @ 1:07 PM

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

**General Meeting Minutes**

**Date:** 6/1/11  
**Location:** Champlain College  
**Minutes Recorded by:** Nathan Mascolino, Secretary

**GENERAL MEETING**

The June meeting was an informal Bar-B-Q and tour located on the campus of Champlain College in Burlington VT. Bob Bolin from the Champlain College facilities team provided an informal facility tour. The college hosted a BBQ and there was plenty of Switchback for everyone.

Shawn reported that the officers and new BOG would be installed in the first meeting of the 2011-2012 ASHRAE year.

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

**June 2011 Meeting Photos**



(ASHRAE members listen while Bob Bolin speaks)



(Bob Bolin of Champlain College leads the tours)



(BBQ dinner at Champlain College)



(Peter Bailey assists with tours of the facilities)

## Treasurer's Report

As of today, June 19, 2011, all bills are paid and our TD Bank checking account balance is \$12,221 - up from last month by \$651.

Our fiscal year ends on June 30th. As in years past, my work and the year's numbers will be audited by an as yet unnamed audit committee and I will be filing our IRS form 990-N in compliance with tax law.

We have agreed on a new checking account funded by the existing one for income and expenses needed to address our hosting CRC 2013.

I'm looking forward to the annual summer golf outing, our best fund-raiser of the year, and perhaps making at least one putt for bird.

Ken Secor, Treasurer

## Research and Resource

By Sandy LaFlamme

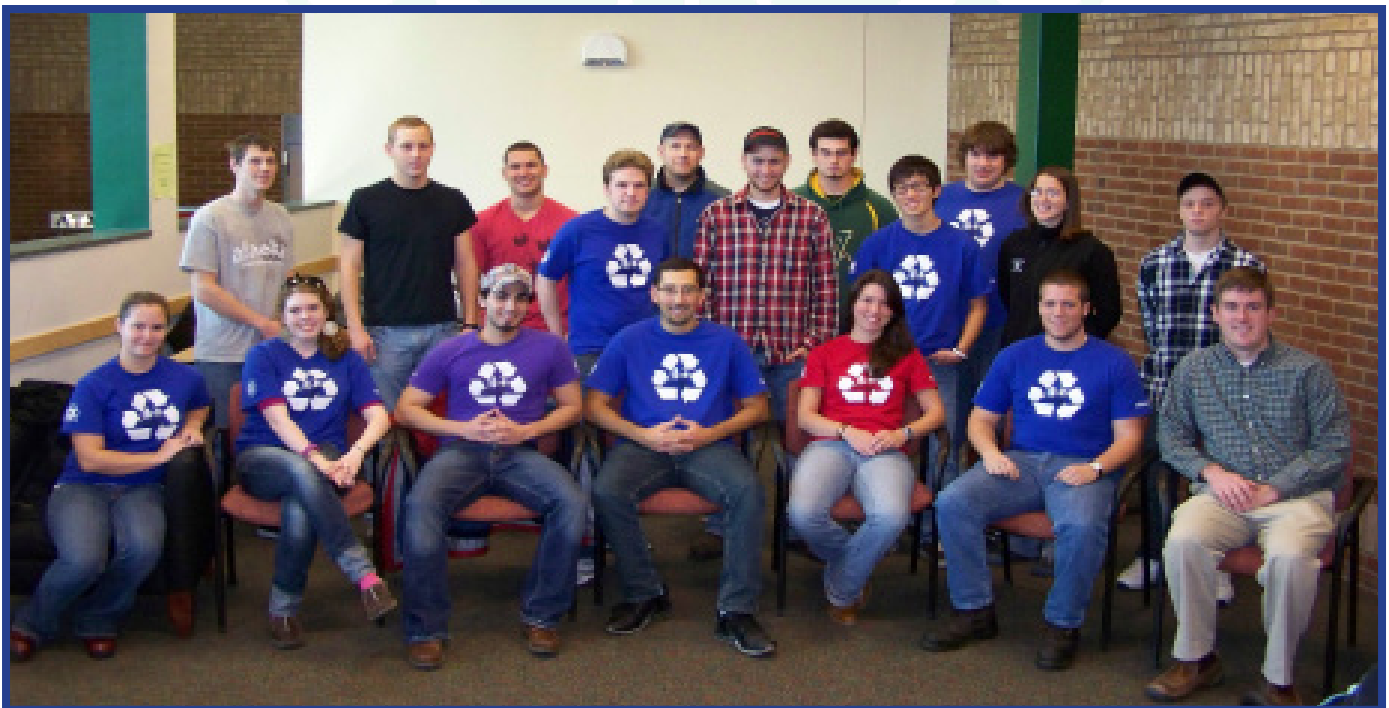
Cx Associates, Michael Spasyk, PE, and Hallam/ICS are the most recent contributors to Research Promotion. Thank you! Our total amount raised has increased by \$595 to \$6,021 thanks to your generosity. Your support for ASHRAE RP is greatly appreciated.

Thank you, Amy Patenaude, PE, of Efficiency Vermont and ASHRAE CVC, for jointly sponsoring a variable refrigerant flow seminar this month. 100% of the proceeds will be going to ASHRAE RP, with the speakers donating their time, and Efficiency Vermont covering the seminar costs.

Donations are always welcome. You can donate online from our chapter website by clicking on the Resource Promotion link in the column on the left side of the home page. Checks are also accepted and should be made payable to ASHRAE Research Promotion and mailed to ASHRAE Research Promotion, 1791 Tullie Circle, Atlanta, GA 30329.

Thanks to all for making this 2010 – 2011 ASHRAE RP campaign such an overwhelming success!

# VTC ASHRAE Student Chapter 2010-2011

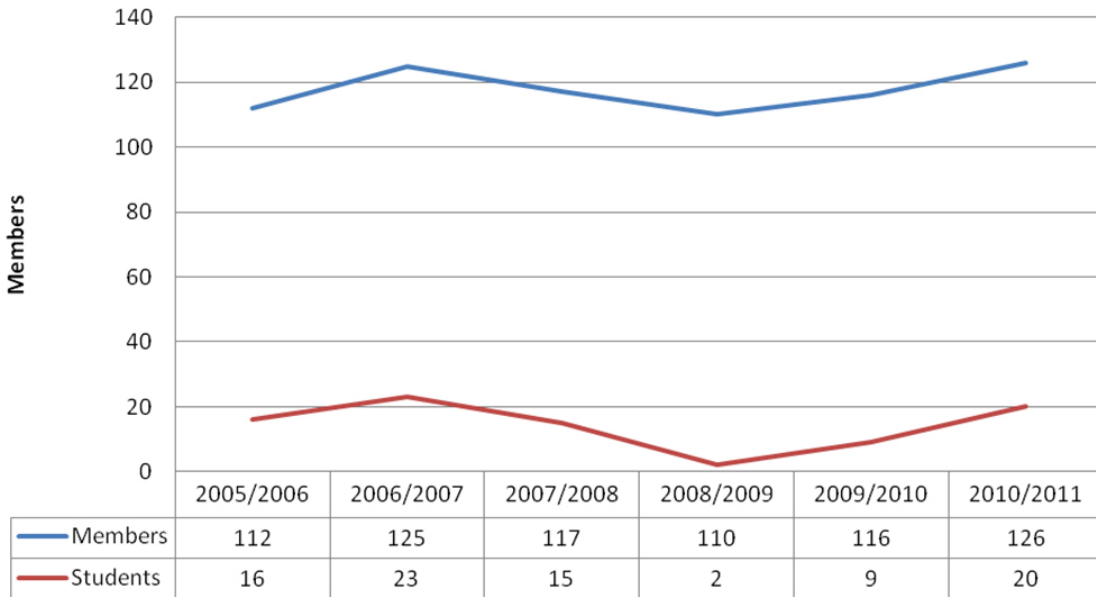


## Membership Promotion – Year End Review

Another ASHRAE CVC year comes to an end and I'm happy to report we are on an upswing in Membership! We had another banner year finishing with 1,485 PAOE points (Minimum = 500 points, Par = 800 points)!!! That's the highest total in Region 1.

We have 20 student members, up from 9 last year. We have retained 15 "new" members (dues paid second year and third year). And we have 19 NEW MEMBERS this past year!!! Yahoo!! Of course with that we have had a few members cancel too; all in all we are on an upswing.

### ASHRAE CVC Membership



There are a hand full of members whose membership dues are in the rears (you know who you are), so please get your dues in and help keep our CVC chapter strong. We have some great meeting topics in the works for this coming year along with some outstanding guest speakers and fantastic educational tours too.

I pass the MP torch to Nathan Mascolino and wish him good luck, I'm confident we can continue to grow our membership. PLEASE contact Nathan if you are interested in sitting on the MP committee for the 2011/2012 year.

I'd like to thank Rob Ward and Joshua Chiappone for helping out this year and being a part of the MP committee.

#### **Congratulations – Newest Life Member**

Mr. Wayne C Bedard of Plattsburgh, NY was upgraded to Life Member of ASHRAE CVC this past year. Mr. Bedard was first elected Dec 1st, 1967. Wayne joins Ken Brown, Gus Mastro, and Gustave Presser as the four Life Members of CVC. Congratulations Wayne!

Tom Dacres – MP Chair

### 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.

## 8 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](http://www.ashrae.org) website and do a search for the 2006-2007 PAOE newsletter.

#### End of Year Awards Available to the Chapter:

**PAOE:** Minimum in five of the six categories

**Special Citation:** Minimum in 5 of the 6 categories with a minimum total of 4600 points

**STAR:** PAR in all categories

**Honor Roll:** PAOE for at least 4 consecutive years

**High Honor Roll:** STAR for at least 4 consecutive years

**Premier:** PAOE every year since the chapter's inception or since 1970; minimum of 4 years; chapter's first year is excluded

**Sustainability Activities Award:** A Chapter Sustainability Award in the form of a certificate is available for each chapter that obtains a total of at least 200 points from the items listed under Sustainability

Activities in the Chapter Operations category of PAOE. The Chapter with the highest PAOE Sustainability point total will receive a Regional award in the form of a glass plaque and a certificate. Level 1 = less than 100 members; Level 2 = 100-249, Level 3 = 250-449, Level 4 = 500 or more.

Category	PAR	(2010-11)
Membership Promotion	800	1485
Student Activities	500	1000
Technology Transfer	850	975
Research & Promotion	1050	2433
History	200	200
Chapter Operations	500	975
<b>Chapter TOTAL</b>	<b>3900</b>	<b>7068</b>

### 2009-2010 BOARD OF GOVERNORS

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Sandy LaFlamme T: (888) 921-5990 x. 1097 Company: Efficiency Vermont slaflamme@veic.org	Dick Wilcox T: (802) 655-8805 Company: Vermont Heating @ Ventilation, Inc. dwilcox@vhv.com
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**Subscription to the newsletter and membership questions should be directed to Tom Dacres (802) 318-3298 or tomd@vhv.com**

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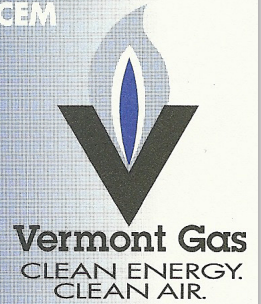
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