



# the Champ

## Monthly Newsletter of the CHAMPLAIN VALLEY CHAPTER OF ASHRAE

Serving Vermont Since 1969

### President's Message



The ASHRAE year is quickly coming to an end. We had a great turnout for our May tour and dinner. I want to thank the 41 people who attended even though the weather was unpleasant to say the least.

Thank you Heritage Flight for hosting the tour along with Bill Fyfe for setting it up for the ASHRAE Chapter. I also would like to thank our panel of presenters, Richard

Deane of Truex Cullins, Bill Fyfe of Hallam Associates, Jay Myrto of Alteris Renewables, and Glenn Thomas of Thomas Engineering Associates.

Vermont Technical College has submitted their HVAC System design for the ASHRAE Student Design Competition. The submission will be evaluated by the Region 1 Student Activities Vice Chair by the deadline date of June 3rd. If they pass regional judging their entry will be submitted to the national judging committee for final judging. The judging and selections will be finalized by June 24, 2011. The awards will be presented during the 2012 ASHRAE Winter Meeting in Chicago, Illinois.

A reminder to all the 2011 ASHRAE Annual Conference will be held in Montreal on June 25-29, 2011. For more information on the event go to: <http://ashrae.org/events/2011-montreal-conference>. Also, Region 1 will be holding a dinner on Monday June 27, 2011 during the event. For more information on the dinner visit: <http://www.ashraeregion1.org/Region1Dinner.htm>.

I hope to see all of you at our last meeting of the year on Wednesday June 1st. This will be a joint tour with RSES of the ice storage system, waste water heat recovery system and small house co-gen system at Champlain College. The tour will be given by Bob Bolin the campus HVAC controls manager. The tour will conclude with a BBQ and

Switchback beer at the Alumni Auditorium. We will meet in the Rozendaal Courtyard 5:30pm SHARP. (see Champlain College Campus map on page 3) So please get their early and RSVP to Ray Hickey by Friday May 27th.

Sincerely,  
*Shawn LaBelle*  
Chapter President

### Champlain Valley ASHRAE Annual BBQ & Joint Meeting with RSES

**Wednesday, June 1st @ Champlain College**  
Tours begins @ 5:30 PM SHARP at the Rozendaal Courtyard and will cover an ice storage system, a waste water heat recovery and a small house co-gen system

**BBQ 7pm @ Alumni Auditorium**  
Two half kegs of Switchback beer on tap is included with the meal price of \$20

Tours will be given by Bob Bolin – Campus HVAC Controls Manager

\$20 CVC Members / \$20 Non-Members

**\*\*\*RSVP TO Ray Hickey by Friday 05/27/11\*\*\***  
([rhipkey@advancedcomfortsys.com](mailto:rhipkey@advancedcomfortsys.com))

Directions: Please see page 3 for location map and parking info.

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# 2010-2011 ASHRAE CVC MEETING CALENDAR

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>



turn to the experts™

# Chuck Kabrehl

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# Dan O'Connor

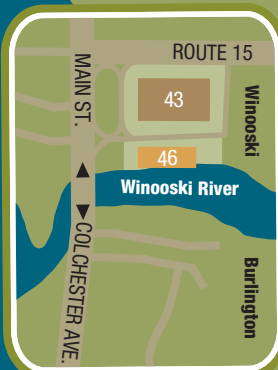
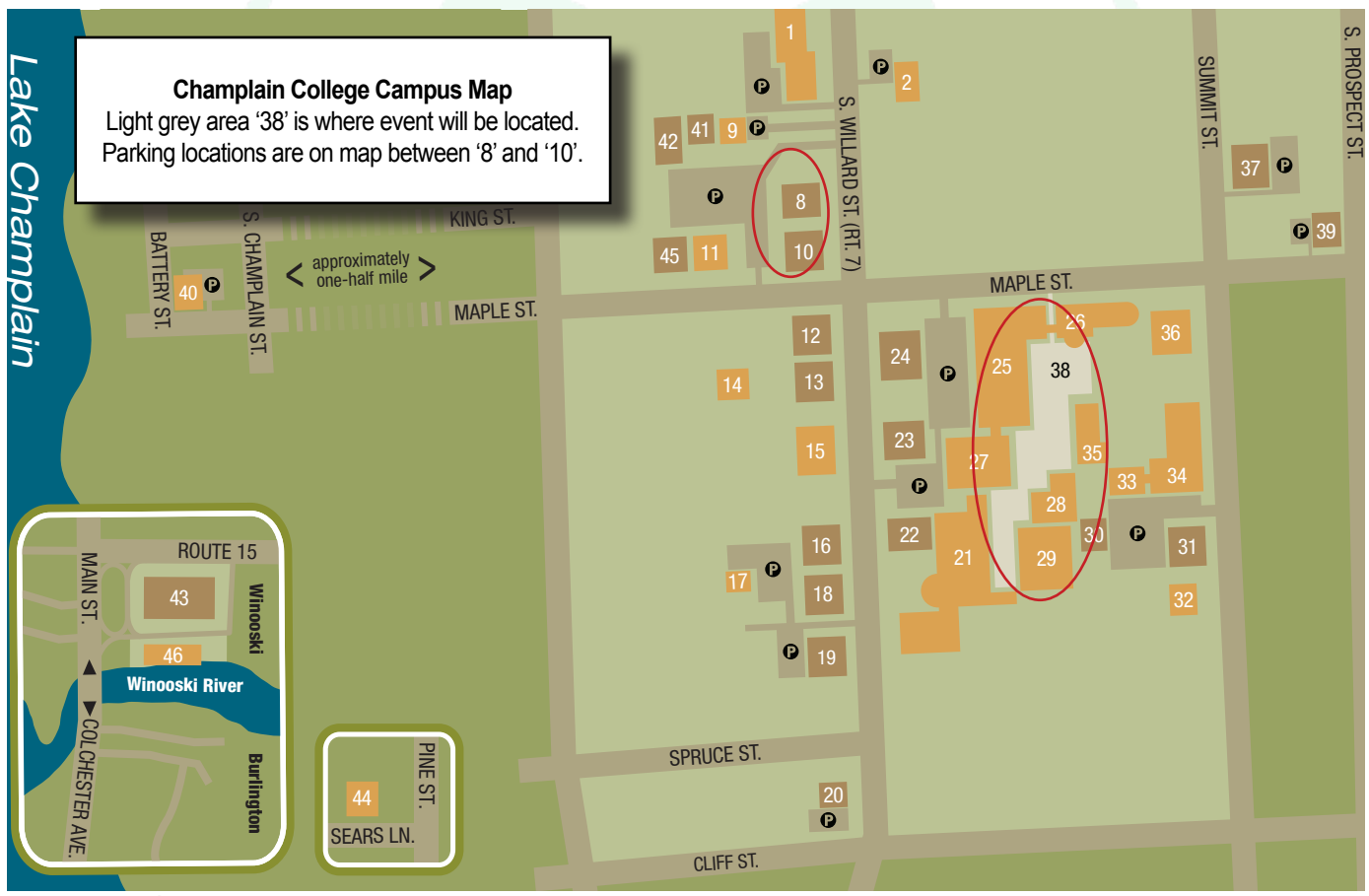
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Lake Champlain

**Champlain College Campus Map**  
Light grey area '38' is where event will be located.  
Parking locations are on map between '8' and '10'.



## Technology Transfer

I would like to take this opportunity to thank the ASHRAE members who attended last month's tour of Heritage Flight and panel discussion on the project which was well received by the attending members, lots of good questions and discussion. Thanks again to Bill Fyfe in helping to coordinate this tour and leading the mechanical systems overview. Our appreciation goes out to Richard Deane, Jay Myrto and Glenn Thomas for their participation and presentations on the building architectural features and the building mechanical and alternative energy systems.

June's program will be a joint meeting with RSES featuring another site tour of several recent projects at Champlain College followed by our annual CVC BBQ. We will see a thermal ice storage system, a water waste heat recovery system and a small house cogeneration system. This will be the final monthly meeting of the calendar year so I encourage all to attend this informal social gathering.

A reminder to members planning on attending June's tour and BBQ to RSVP Ray Hickey, rhipkey@advancedcomfortsys.com by May 29 for a body count.

## BOG Meeting Minutes

*May 4th, 2011 BOG Meeting Minutes*

Date: 5/4/11  
 Location: Vermont Mechanical  
 Time Called to Order: 4:18pm  
 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
Peter Bailey	DEI
Gretchen Langfeldt	Switchback

### LAST MEETING MINUTES

Motion to approve Apr, 2011 meeting minutes was put forth by Dick W and seconded by Mike C, motion passed.

### OFFICER REPORTS

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

Shawn reported that this years CRC will be held the 18, 19, and 20th of Aug. The host chapter is the Region 1

Long Island chapter, and the CRC will be held in New York City. Tom D is planning on attending, Peter B is planning on attending. Shawn may have a family commitment. He will let us know as soon as he can.

Shawn reported that he only has 4 advertisement checks left to collect. The current advertisement money collected is \$1900. The projected amount (including the 4 checks yet to arrive) is \$2400.

The NEHES would like to advertise in our news letter for their fall conference. A motion was made by Mike C, and seconded by Dick W to sell NEHES a half page advertisement in our news letter for \$30 per month. (\$90 for 3 months). Motion passed.

There was open discussion on meeting topics for next year. Mike C will pass along the list of meeting ideas he has. Mike C, and Tom D will plan to meet off line to discuss the list in detail, and continue to brainstorm. Tom and Mike will report back to the group.

Shawn reminded everyone to make sure and update the PAOE points.

New officers will be initiated during the June meeting.

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

June 2011 meeting, Peter B reported that it will not work out this year to have our June meeting at



Switchback brewery.

There was open discussion on ideas for the June meeting. Phil and Jim have agreed to BBQ again this year. The chapter needs to determine a location. Some Ideas were recored, and Dick W, and Peter B will meet later in the week to determine a location. Mike C, Peter, and Dick will coordinate.

Mike reported that shawn needs to report to Region 1 on how many scholarships were awarded by our chapter this year, and for how much \$. Shawn will send the report.

Mike reported that YEA now has a Region 1 chair.

**Vice President/MembershipChair Report: Tom Dacres**

Tom had nothing to report.

**Treasurer Report: Ken Secor**

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

**Secretary Report: Nathan Mascolino**

Nathan is going to generate a write up for the news letter about the YEA leadership weekend he attended in Denver.

**Resource Promotion: Sandy Laflamme**

Sandy was not in attendance.

**History: Gretchen Langfeldt**

Gretchen had nothing to report.

**Reception: Ray Hickey**

Ray had nothing to report.

**Refrigeration: Peter Bailey**

Peter had nothing to report.

**NEW BUSINESS**

Peter B reported that the new newsletter editor is willing to update the current newsletter format if we are interested. Shawn and Peter are going to meet to discuss, and provide feedback to the group.

**MEETING ADJOURNED**

Motion to adjourn made by Peter B, seconded by Nathan M Meeting adjourned @ 5:10 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:** 5/4/11  
**Location:** Heritage Flight & Hampton Inn  
**Minutes Recorded by:** Nathan Mascolino, Secretary  
**Attendance:** 41

**ATTENDANTS**

- |                   |                               |
|-------------------|-------------------------------|
| Scott Alexander   | LN Consulting                 |
| Jere Berger       | Tcorp Inc                     |
| Pete Bailey       | Dodge Engineering             |
| Ben Basiliere     | Vermont Heating & Ventilating |
| Mike Cook         | ARC Mechanical                |
| Tom Dacres        | Vermont Heating & Ventilating |
| Carmine DeFeo     | Guy DeFeo Company             |
| Paul Duane        | Efficiency Vermont            |
| Rob Favali        | Dubois & King                 |
| Sheryl Graves     | Efficiency Vermont            |
| Bill Gregory      | L.J. Early Company            |
| David Golen       | Adirondack Combustion         |
| Corey Griffiths   | Vermont Mechanical Inc.       |
| John Grout        | Victaulic Company             |
| Ray Hickey        | Advanced Comfort Systems      |
| Brice Kosnik      | Basix Automatiom Integrators  |
| Shawn LaBelle     | Vermont Mechanical            |
| Cody Lezak        | Efficiency Vermont            |
| Nathan Mascolino  | Vermont Heating & Ventilating |
| Rachael Mascolino | Efficiency Vermont            |
| Jim Moore         | New England Air Systems       |
| Bill Moore        | Tcorp Inc.                    |
| Jay Pilliod       | Efficiency Vermont            |
| Mary Jane Poytner | Efficiency Vermont            |
| Dan Reilly        | Gourley Company               |
| Mike Spasyk       | Dubois & King                 |
| Nick Thiltgen     | Efficiency Vermont            |
| Glenn Thomas      | Thomas Engineering            |
| Harris Unger      | Advanced Comfort Systems      |
| Rob Ward          | Vermont Heating & Ventilation |
| Dick Wilcox       | Vermont Heating & Ventilating |
| Tom Zoller        | Trane                         |

Clark Sweeney	Sweeney Refrigeration & HVAC Service
Jon Murphy	VHV
Richard Deone	Truex Cullins Architects
Rick Meunier	Hallam Associates
Bill Fyfe	Hallam Associates
Jay Myrto	Alteris Renewables, Inc.
Mike Leach	Sburban Manufacturing
Tim Guiterman	Navigant Consulting
Jeff Kenyon	Redstone Development

**GENERAL MEETING**

**TECH SESSION:**

There was a facility tour this month of the Heritage Flight building, on aviation drive. Bill Fyfe from Hallam Associates led the tour. We thank Heritage Flight very much for hosting us.

**MAIN PRESENTATION:**

Following the facility tour, dinner was served at the Hampton, and the main presentation was an open discussion with a panel of (4) project participants. Richard Deone from Truex Cullins Architects spoke about the building envelope, and some of the challenges of building an airplane hanger. Bill Fyfe from Hallam Associates discussed the mechanical design. Jay Myrto from Alteris Renewables Inc spoke about the solar PV, and the solar hot water system. Glenn Thomas from Thomas Engineering spoke about the project commissioning.

The Hampton provided a very nice meal.

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

**2010-2011 Meeting Photos**



Conor McManus VTC Student



Shawn LaBelle presenting to Amy Patenaude the ASHRAE CVC Engineer of the Year Award.



ASHRAE CVC Banners



VTC Hosts the April meeting for the 3rd year in a row



Presentation



Distinguished Lecturer Chris Mathis

## Student Activities Report

### VTC Chapter

Committee Chair: Shawn LaBelle

Student Chapter Advisor: Chris Reilly

I want to thank Professor Scott Sabol and the following students of Vermont Technical College for submitting their HVAC System Design to the ASHRAE Student Design competition:

**Catherin Dumont** Graduating May 2011  
BS Architectural Engineering Technology

**Conor McManus** Graduating May 2011  
BS Architectural Engineering Technology

**Dustin Cressman** Graduating May 2011  
BS Architectural Engineering Technology

The submission will be evaluated by the Region 1 Student Activities Vice Chair by the deadline date of June 3rd. If they pass regional judging their entry will be submitted to the national judging committee for final judging. The judging and selections will be finalized by June 24, 2011. The awards will be presented during the 2012 ASHRAE Winter Meeting in Chicago, Illinois.

Thanks!  
Shawn LaBelle

## Treasurer's Report

As of today, May 16, 2011, all bills are paid and our TD Bank checking account balance is \$11,570. - down from last month by \$1,620.

The reason for the drop? Membership renewals have slowed to a trickle. It is that time of year and CVC-membership dues will increase during the next few months as renewals spurt, as it has in year's past. Fortunately, our monthly meeting expenses at The Hampton continue to match the incoming revenue and we break even - which has been the intention all along. The Champlain Valley Chapter does not plan to make or lose money on monthly educational/dinner events. To that end, we hope the cost of the meals and quality of food matches your expectations. The speakers and topics seem to get better over time. This is not to say it can't be even better. If you have any suggestions in regard to meetings, the food or the speakers we engage, please speak up.

Ken Secor, Treasurer

# VTC ASHRAE Student Chapter 2010-2011





## ASHRAE National and Regional Events



# Sustainability Knows No Borders!

**2011 ASHRAE Annual Conference**  
**June 25-29, 2011**  
**Montreal**

[Register Online](#)

<http://ashrae.org/events/2011-montreal-conference>

Vol.25 No.10 8 May 2011



Cost including tax, gratuity \$65 CDN

**gibbys**

## Region 1 Dinner

**Monday June 27, 2011 - 7:00pm**  
**Gibbys in Old Montreal at 298 Place d'Youville**

Free valet parking  
 A ¾ mile < 15 minute walk  
 An \$8-\$12 cab ride



**MAIN COURSES**

Served with choice of:  
 - Gibbys Salad ( anchovies on request )  
 - Gazpacho Andalous  
 - tomato and onion marinade  
 and choice of: baked or Monte Carlo potato or rice pilaf

**FISH AND SEAFOOD**

FRESH FISH ( please see daily fish menu )  
 SHRIMP PROVENCAL broiled with garlic butter  
 CURRIED SHRIMP Punjabi style, spicy

**FROM THE GRILL**

RIB STEAK Gibby cut  
 RIB EYE STEAK  
 SIRLOIN EN CROÛTE  
 encrusted with a medley of Dijon mustard,  
 seasoned bread crumbs and black peppercorns  
 MIGNONS OF BEEF DIANE with mushrooms,  
 french shallots, cognac and black peppercorn sauce  
 PETIT FILET MIGNON centre cut  
 SHISHKABOB filet mignon  
 RACK OF LAMB - Youville  
 marinated in fine herbs and garlic  
 RACK OF LAMB - St. Sauveur  
 provençale, brushed with mustard and lightly dusted  
 with herbed garlic breading  
 CHICKEN KIEV chicken breast, stuffed with  
 butter, chives and fine herbs

**VEGETARIAN**

EGGPLANT PARMESAN  
 baked Italian eggplant, gratinée  
**DESSERTS**  
 CHOCOLATE MOUSSE  
 FRESH BLUEBERRY CHEESE CAKE  
 KEY LIME PIE  
 ICE CREAM maison  
 SHERBET TRIO maison  
 TEA - COFFEE - BREWED DECAF - HERBAL TEA

**ASHRAE Summer Meeting - Montreal, Quebec, Canada**



## 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](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	1110
Student Activities	500	810
Technology Transfer	850	625
Research & Promotion	1050	2298
History	200	0
Chapter Operations	500	600
<b>Chapter TOTAL</b>	<b>3900</b>	<b>5443</b>

## 2009-2010 BOARD OF GOVERNORS

Pete Bailey T: (802) 434-2278 Company: Dodge Engineering & Controls Inc pfbaily@deicontrols.com	Scott Alexander T: (802)655-7628
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
Gretchen Langfeldt T: (802) 651-4114	

## 2009-2010 CHAPTER OFFICERS

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<b>Vice President</b>	Tom Dacres T:(802) 318-3298 tomd@vhv.com
<b>Secretary</b>	Nathan Mascolino T:(802)655-8805 x.148 nathanm@vhv.com
<b>Treasurer</b>	Ken Secor T: (802)309-5435 kpsecor@gmail.com
<b>Administrator</b>	Matt Tanis T: (802)860-4888 x.1228 mtanis@hallam-ics.com

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<b>Refrigeration</b>	Pete Bailey T: (802) 434-2278 pfbaily@deicontrols.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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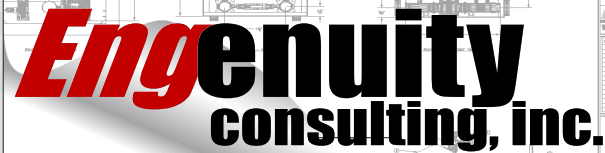
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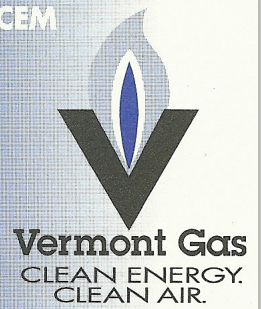
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