



THE CHAMP

monthly newsletter

of the Champlain Valley Chapter of ASHRAE

PRESIDENT'S MESSAGE



The colors of October are in full swing and that means we are also in full swing with our ASHRAE year. Our September meeting provided a good format for us to get things going for the 2014-15 chapter year.

The meeting included the presentation of the \$5000 Lynn G. Bellenger Scholarship to Courtney Hart, the presentation of our CRC Chapter awards, and the swearing in of the new chapter officers and Board of Governors. Check out our September Newsletter for our summaries of these events

Our November 5th meeting includes a presentation on integrated pump controls. November is also Research Promotion Night. See Tom Zoller's article on the opportunity to win UVM hockey tickets for your donation to RP. I want to encourage you and your company to consider donating to RP both for the importance to our industry and to win some hockey tickets!

Looking ahead, our December 3rd meeting will be a Past President's Night and includes our annual ASHRAE Distinguished Lecturer so please get this date into your calendar and plan to join us. It should be a good time. Look inside the newsletter for a list of our past presidents.

Finally, thank you for your support and participation with our local Chapter. November and December

look good as does the rest of the year. We look forward to seeing you at the next meeting.

Rob Favali
ASHRAE CVC President

ASHRAE CVC UPCOMING EVENTS

**CHAPTER MEETING, WED. NOV. 5TH
5:00PM, HAMPTON INN, COLCHESTER**

MODERN DEVELOPMENTS IN INTEGRATED PUMP CONTROLS

Meeting Agenda:

- 5:00 Social hour
- 6:00 Chapter Business
- 6:15 Dinner
- 7:00 – 8:00 Presentation

RSVP: <http://www.ashraevt.org/meeting-rsvp/>

IN THIS ISSUE:

President's Message.....	1
Meeting Calendar 2014-2015.....	2
Technology Transfer.....	3
Grassroots Government Affairs Committee.....	4
Treasures Report.....	4
Research Promotion.....	5
ASHRAE Foundation.....	6
BOG Meeting Minutes.....	7-9
Energy News Corner.....	10
News from ASHRAE.....	10-11
2014 CRC Notebook/Awards.....	12
Recognition of Past CVC Presidents.....	12
POE.....	13
Chapter Contacts.....	13
Advertising/Sponsors.....	2,11,14-16

2014-2015 ASHRAE CVC MEETING CALENDAR

MONTH	MONTHLY MEETINGS		MONTHLY MEETING LOCATION
	BOG	DINNER	
2014			
September	3-Sep	3-Sep	Hampton Inn, Colchester
October	1-Oct	1-Oct	Hampton Inn, Colchester
November	5-Nov	5-Nov	Hampton Inn, Colchester
December	3-Dec	3-Dec	Hampton Inn, Colchester
2015			
January	7-Jan	7-Jan	Hampton Inn, Colchester
February	2-Feb	2-Feb	February Lunch Meeting and Tour
March	4-Mar	4-Mar	Hampton Inn, Colchester
April	1-Apr	1-Apr	Hampton Inn, Colchester
May	6-May	6-May	Hampton Inn, Colchester
June	3-Jun	3-Jun	TBD

OCT. 2014

Vol. 29 No. 2



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TECHNOLOGY TRANSFER

I would like to start by saying that I am very impressed with the number of students attending our past couple of meetings. I ask that those of you have been in the industry for a while now please take the time to engage with them. It can be pretty intimidating as a student in a room full of professionals so let's all take it upon ourselves to break the ice and try to make them feel welcome. After all they are the future of our chapter and industry.

For those of you that are interested in a copy of October's presentation, we are going to try to get it posted on our website in the near future. If we are unable to do that, I will have something posted on the website on how to get a copy.

Our September meeting had over 35 attendees plus students from Vermont Tech.

Ray Hickey	ACS
Michael Cook	ARC Mechanical
Esther Covey	Blodgett Supply Company
Justin Webb	Control Technologies Inc.
Randy Mead	Control Technologies, Inc.
Steve Dumas	DuBois & King Inc.
Gwendolen St. Sauveur	DuBois & King Inc.
Robert Favali	DuBois & King Inc.
Jeremy Rathbun	DuBois & King Inc.
Parker Hoblin	Efficiency Vermont
Jay Pilliod	Efficiency Vermont
Betsy Ricker	ERS
Carmine DeFeo	Guy DeFeo Company
Bill Root	GWR Engineering
Joshua Chiappone	Johnson Controls
Gregory Liebert	Liebert Engineering, Inc.

Jeremiah Trombly	Mountain Air Systems, Inc.
Steve Kreigh	Mylan Technologies
William Moore	T-Corp
Jason Hudspath	Thermal Environment Sales
Ray Spears	Trane
Tom Zoller	Trane
Cody Lezak	VEIC
Charlie Carpenter	VEIC
Craig Simmons	VEIC
Ray Keller	Vermont Gas
Nigel Churchill	Vermont Heating & Ventilating
Rob Ward	Vermont Heating & Ventilating
Dick Wilcox	Vermont Heating & Ventilating
Nathan Mascolino	Vermont Heating & Ventilating
Blaine Conner	Vermont Mechanical Inc.
John Plankey	Vermont Mechanical, Inc.
Chris Reilly	Vermont Tech

Our November meeting will be Research Promotion Night and we will be hosting George Denecke from Armstrong Fluid Technology. The topic will be "Modern Developments in Integrated Pump Controls". George is very active in the local Niagara Frontier Chapter and served as Chapter President from 2008-2009. Keep an eye out for the meeting announcement later this month. And if you haven't already done so, please take a moment to fill out the evaluation survey for October's meeting.

As always if anyone has any interest in sitting on the committee, or if anyone has any input or suggestions for future meetings I invite you to get in touch with me. My email is robw@vhv.com or I can be reached by phone at 802-861-6194. Thanks and we hope to see you on November 5th.

Rob Ward
CTT Chair

TREASURE'S REPORT

As of October 13, 2014 our TD Bank account is \$15,252.87 and our bills are paid up to date with our ASHRAE CVC account reconciled.

By the end of October – I will be sending out our 2014 -2015 year's newsletter advertising invoices to our supporting Companies that advertise in our monthly newsletter. We very much appreciate everyone's support as all monies that are collected, are directly used for our Scholarship Programs.

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 2014 - 2015



GRASSROOTS GOVERNMENT AFFAIRS COMMITTEE

In a conversation that I recently had with Jim Scarborough, our ASHRAE Government Affairs Manager in the Washington, DC office, I was informed that there is now a lobbyist involved with the promotion of the Masters or Equivalent (MOE) effort in our state. Mr. Scarborough has been actively working other organizations, such as ASME, in the "Licensing that Works" coalition that opposes the MOE for licensure.

It appears that the American Society of Civil Engineers (ASCE) has procured the services of James Feehan of Primmer (Primmer, Piper Eggleston & Cramer PC) to act as lobbyist for the MOE effort. At this time it is unknown if Mr. Feehan has been actively working on promoting MOE with local state representatives. To counter his efforts, our GGAC committee will be busy

coordinating the volunteer efforts in our State, acting as advocates, for promoting the "Licensing that Works" campaign and in opposition to the MOE. Anyone wishing to help in our efforts can contact me directly. Your help would be greatly appreciated.

Dick Wilcox
GGAC Chair

RESEARCH PROMOTION

We are off to a great start in RP. Thank you so much to everyone that has already donated this year. We have currently raised \$2,181 from 17 donors towards our goal of \$7,715. We have earned the full circle award for having our Chapter President, Vice President, President Elect, Treasurer, Secretary and RP Chair all donate at or above the \$100 honor roll level. In addition, all of our committee chairs have made honor roll donations. The leadership of the Champlain Valley Chapter is firmly behind RP. We have also exceeded our society level scholarship goal of \$150

The November meeting is RP night. We will have a short presentation on why RP is important and why it matters to the general ASHRAE membership.

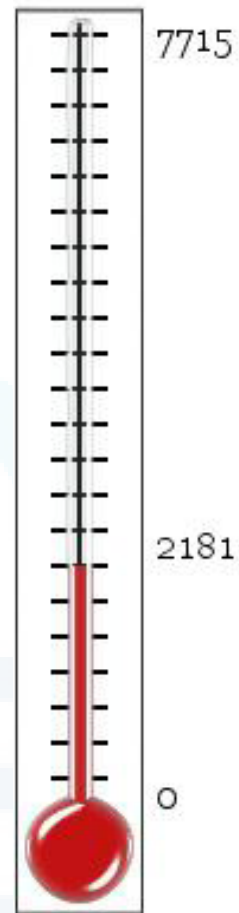
We will also have a raffle. If you make an Honor Roll level (\$100.00 or more) donation to RP on, or before RP night, you will be entered into a raffle for two tickets to a UVM Hockey game. These are fourth row seats right on the end zone faceoff circle! One winner will take both tickets for a choice of dates.

As always, if you have any questions about ASHRAE Resource Promotion, contact me at tzoller@trane.com.

2014-15 Honor Roll Donors:

Peter Tousley	Rob Favali
Blain Connor	Peter Bailey
Shawn Labelle	Tom Zoller, PE
Cody Lezak, PE	Jeremiah Trombly, PE
Dick Wilcox	Nathan Mascolino, PE
Mike Cook	Rachael Mascolino
Rob Ward	Josh Chiappone

2014-2015 Progress



Tom Zoller, PE
RP Chair





Here Today, Here Tomorrow

What is an endowment and why is it important to ASHRAE?

Don't think of an endowment as merely an investment account. Think of an endowment as a "Gift to the Future." ASHRAE Foundation's endowment insures that its donor's gifts will support the long-term continuity and sustainability of ASHRAE and the multiple initiatives supported by the Foundation. These gifts in the form of the endowments provide a permanent source of income to support the education, research, and public service missions of ASHRAE. These endowed gifts are managed for the long-term to strike a balance between the competing demands of funding current initiatives and preserving purchasing power to fund future operations.

The source of nearly all the Foundation's endowment has come from gifts from generous ASHRAE members with an eye on the future. Many of these donors restrict their gifts to a specific purpose such as scholarships for training engineers or other restrictions that reflect the donor's priorities. Some donors provide unrestricted gifts that enable the ASHRAE Foundation to provide support for future needs that may not be obvious today.

In the past, gifts placed in endowment were limited to distributing only their net income for charitable purposes. The law governing these gifts has been updated to allow investment managers to invest for total return instead of just income. That means the spending power of your gifts are strong and the principal can grow to meet future needs. Since its founding 20 years ago, the ASHRAE Foundation has annually authorized a 5% distribution to support the purposes of the various funds.

Why do endowments matter to the average ASHRAE member?

Creating your Gift to the Future allows you to continue to give far into the future. Let's say you give an annual gift or \$1,000 to the RP campaign. If you establish an endowed fund, either now or from your estate, of \$20,000 your fund will continue to make a \$1,000 gift to support RP in perpetuity. Also, when your endowment fund grows in excess of its annual distribution, your principal increases and future distributions can grow as well

How can I make a Gift to the Future?

Endowed funds can be established now so that you can create a fund to support an ASHRAE initiative of interest to you. All it takes is a simple agreement describing your intentions. The minimum amount for an endowed scholarship is \$100,000. The minimum for an RP endowment is \$3,000. You can also create an endowment as part of your estate plans or add to an existing endowed fund from part of the generosity of your estate.

If you would like more information on how you can leave a legacy for the ASHRAE Foundation, please contact Margaret Smith at msmith@ashrae.org, tel: 678-539-1201.



BOG MEETING MINUTES

October 1, 2014 BOG Meeting Minutes

Date: 10/01/2014

Location: Hampton Inn, Colchester, VT

Time Called to Order: 4:005

Called to Order By: Jeremiah Trombly

Minutes Recorded By: Blaine Conner

ATTENDANTS

Nathan Mascolino	VHV
Rob Favali	Dubois & King
Rob Ward	VHV
Shawn Labelle	VHV
Mike Cook	ARC Mechanical
Cody Lezak	VEIC
Jeremiah Trombly	MAS
Josh Chiappone	JCI
Dick Wilcox	VHV
Tom Dacres	VHV
Blaine Conner	VMI

LAST MEETING MINUTES

1. Mike C. motioned to approve the meeting minutes as published. Jeremiah T. seconded. Motions carried unanimously

OFFICER REPORTS

1. Secretary - Blaine Conner

a. No items to report

2. Treasurer's Report - Peter Bailey (in absentia)

a. We were short 300 dollars last month, it may be

related to being charged for the library. The new owners of the Hampton Inn have been adjusting rates - meals increased \$2.00/plate. Rob F. working with hotel staff to maintain the status quo of the library being provided free of charge with a reservation of Champlain Room A.

b. Nathan M. suggested if the price of the Library cannot be negotiated, meeting at VHV is a viable option. It was observed by several members of the BOG that the lobby of the Hampton may also be a good place (at no cost).

c. Costs of dinner: It appears that ASHRAE CVC will typically break even on the cost of dinner. Rob F. stated that dinner is a fixed 21.93/plate plus a 21% tip. Hampton does verify total number of attendants and charges accordingly. It was suggested that Ray Hickey double-check these final counts against his count.

3. General Business - Rob Favali

a. Newsletter: Rob F. had enough time to pull it together, but in the future additional time will be needed. Typical goal is to have the newsletter published about a week before the meeting.

b. Going forward, the materials should be submitted to Rob F. at or around the 15th. Rob F. will collect all the materials and send to Cara for final blocking and publishing. Rob F. to provide an Outlook calendar invite to remind members to submit materials.

c. Mike C. noted that the newsletter serves as a good historical record of Chapter business.

d. Rob W. asked if "hyperlinking" [Secretary note: hyperlinking is providing a web address within a document that can be 'clicked on', launching an internet page] is possible within the newsletter. Discussion followed. It was decided that including

the material directly in the newsletter poses less risk than potentially linking to commercial material.

4. Research Promotion - Tom Zoller

- a. The goal for this ASHRAE year is \$5,050 with \$150 for scholarship (\$5,200)
 - i. Scholarships have merged with RP budget for this year
- b. RP has raised \$1,931 total to date with \$206 is for designated scholarship.
- c. Monies carried over from last year's unaccepted donation may be able to go towards this year's RP goals (+-\$2500, not included in total above)
- d. ASHRAE Foundation:
 - i. Has a pay-in system where they invest money for CVC and refund up to 5% of the returns on the principal.
- e. Points:
 - i. Par for 1050, CVC has 465 to date. Tom Z. believes CVC will reach 1,400 this ASHRAE year.
- f. CVC has reached Full Circle, Josh C. is the final person remaining to get Full Circle Plus (all BOG members donating a minimum of \$100 to the ASHRAE National.
- g. RP night next month
 - i. Tom Z. to follow up with additional information.

5. Chapter Programs - Rob Ward

- a. Booked this year's distinguished lecturer for December, lecturer has eight topics to select from (to be determined at a later date). DL does not offer any PDH's,
- b. Rob W. to provide speaker information via email to BOG for review and comment.
- c. November speaker to be an Armstrong Pumps representative.
- d. Rob W. to provide the November and December write-ups to Blaine C. for inclusion in the meeting announcement (by the 15th of the month).

e. Rob F. still working on getting the ASHRAE President to visit on the 15th of January. Waiting to hear back from National.

- f. Rob W. still working on putting together the POE.
 - i. Will put together the MBO and send out tonight.

6. Membership - Josh Chiappone

- a. For tonight's raffle, Josh C. picked up smoked meats, cheeses, and assorted beers.
- b. Follow-up on national vs. dues paying members:
 - i. National does not keep track of who has paid local dues; instead they forward the local dues as a periodic lump sum to Peter B.
 - ii. It was determined that is Josh C. runs a 14 month report CVC should be able to back-calculate who has paid local dues.
 - iii. It was suggested that adding in an article explaining chapter dues to the newsletter would be beneficial to the Membership.
- c. Membership goal for this year is 7. Typically it's been one or two members added per year.
 - i. The question was asked if transferred members count as new membership; Josh C. to find out.

7. Grassroots Government - Dick Wilcox

- a. Dick W. shared that he felt the newsletter covered everything that he was looking to cover.
- b. Dick W. believes that our overall PAOE points are going to be good for this year.
- c. VT PE Board meeting set for the 1st, Dick W. to contact Bill Atkinson, Chair, for an update.
- d. Dick W. would like to work code-related issues in the ASHRAE meetings and newsletter.
 - i. Might be helpful to have official code interpretations, especially VT CBES interpretations.

8. New Business

- a. Tonight's agenda: Speaker is here, Rob W. to

introduce. Josh C. to get up and announce the new member, explain the goals after introduction by Rob F. If we start the meeting at 6, dinner around 6:15. Speaker to come up during dessert. Raffle drawing after speaker.

i. Dick W. suggested that new members have their dinner comp'd to help get them involved. Dick made a motion that any new members has their dinner paid for the first meeting they come to. Cody L. seconded. Motions carried unanimously

b. Next month is Research Promotion Night

i. Perhaps YEA night.

c. Mike C. - History Update:

i. Would like to confirm the past presidents night to develop the invitation. Working on putting together the contacts. When they come there may be an opportunity to get new photos to update the bios'. Mike intends on updating the chronicle for the 45th anniversary. Would like to poll the past presidents for what the 50th anniversary will look like.

ii. Tom Z. stated that updating the past president's biography is worth points.

d. Rob W. noted that there is an incomplete archive of the newsletters on the website.

i. Rachel M. is responsible for maintaining the website, Rob F. and Rachel M. to work on it closer.

9. Motion to Adjourn:

a. Dick W. motioned to close the meeting. Mike C. seconded. Motions carried unanimously. The meeting adjourned at 5:15pm.

MEETING ADJOURNED

A motion was made by Dick Wilcox to adjourn the meeting. It was seconded by Mike Cook and the motion was carried. The meeting adjourned at 5:17 PM.

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



ENERGY NEWS CORNER

From the WalletHub website (www.wallethub.com) Vermont is currently listed as the most energy efficient state in the lower 48 states. From the website:

In light of National Energy Awareness Month, WalletHub measured the energy efficiency of cars and homes in each of 48 states. We did so in order to encourage consumers to improve their own energy efficiency practices.

To identify the most energy-efficient states, WalletHub analyzed 48 states based on two key dimensions, including “home-related energy efficiency” and “car-related energy efficiency.” We obtained the former by calculating the ratio between the total residential energy consumption and annual degree days. For the latter, we divided the annual vehicle miles driven by the gallons of gasoline consumed. Each dimension was weighted proportionally to reflect national consumption patterns

What do you think?

OCT. 2014

Vol. 29 No. 2

CEU/PDH Credits Available!

Fall 2014 Online Courses

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2 Ways to Register

Internet: www.ashrae.org/onlinecourses
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 \$259 (ASHRAE Member: \$199) | Two-part courses: \$459 (ASHRAE Member: \$339)

NOTE: You may register up to 24 hours prior to an online course. Course times are in Eastern US Time

NEWS FROM ASHRAE

From the HVAC&R Industry, ASHRAE’s free weekly eNewsletter:

DOE ISSUES FINAL RULE ON CERTIFICATION PROGRAMS FOR FEDERAL BUILDINGS

WASHINGTON— The U.S. Department of Energy (DOE) has issued a Final Rule to ensure that federal buildings use proper energy and water efficiency certifications. The rule, which goes into effect Nov. 13, specifies LEED Silver certification, which is required as part of the federal Energy Independence and Security Act of 2007.

However, the Green Globes program can also be used under certain circumstances. DOE says the rule “ensures that in cases where agencies choose to use green building certification systems to meet federal sustainability and energy standards, they must choose a system that verifies enhanced energy and water efficiency.

By requiring re-assessments at least every four years, the rule will ensure energy and water savings continue well beyond the initial building opening or retrofit.”

For the full report, go here: <http://www.energy.gov/eere/articles/energy-department-issues-green-building-certification-system-final-rule-support-0>

HEAT PUMPS BECOMING A HOT ITEM IN COLD CLIMATES

BOSTON— Once an expensive add-on that did not work well in cold climates, heat pumps have benefited from a technological makeover, according to a Boston Globe article. The new generation of machines can keep a home warm even in extreme conditions as low as -20°F (-29°C). Although they are powered by electricity, which is usually a very expensive way to heat a home, the new heat pumps are so efficient that they cost much less to run than a conventional oil heat system. Many utility companies offer rebates to help soften the installation costs.

Sales have been climbing steadily over the past few years since manufacturers have improved components such as refrigerants, compressors, and heating coils. Modern cold-climate heat pumps can generate two to three times as much heat as an electric boiler or a baseboard heater, using the same amount of electricity.

For the full report, go here: www.bostonglobe.com/business/2014/10/05/new-heat-pump-technology-can-warm-homes-even-cold-new-england-winters/JgABf7wNFqRcYI6YVN6nsl/story.html

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ASHRAE CHAMPLAIN VALLEY CHAPTER PAST PRESIDENTS RECOGNITION PAGE

OCT. 2014

Vol. 29 No. 2

Order	Society Year Served	Name	Order	Society Year Served	Name
1	1969-70	William Lotz, PE	24	1992-93	Richard J. Wilcox
2	1970-71	Robert Miller	25	1993-94	Jon A. Soter, PE
3	1971-72	Richard Bowler Jr., PE	26	1994-95	Leo Ioannou
4	1972-73	Robert Coughlin	27	1995-96	Michael A. Gallo, PE
5	1973-74	Don Johnson	28	1996-97	Steve Poole
6	1974-75	Gordon W. Root, Sr., PE	29	1997-98	Michael Rose
7	1975-76	Jack Couture, PE	30	1998-99	Leo Ioannou
8	1976-77	Giustino N. Mastro, PE	31	1999-2000	Ken Couture
9	1977-78	Neil Vallencourt, PE	32	2000-01	Peter Tousley
10	1978-79	William Moore, PE	33	2001-02	Russ Pratt, PE
11	1979-80	Oscar Blatchly, PE	34	2002-03	Amy (Cota) Patenaude, PE
12	1980-81	Stuart N. King	35	2003-04	David Anderson
13	1981-82	Andrew Rudin, PE	36	2004-05	Tom Zoller, PE
14	1982-83	Ted Meade, PE	37	2005-06	Bill Atkinson, PE
15	1983-84	William A. Fyfe, PE	38	2006-07	Jay Pilliod
16	1984-85	Edward Seraydarin	39	2007-08	Jerry Chabot, PE
17	1985-86	Roger M. Kerr	40	2008-09	Heather Condon
18	1986-87	Lois Root	41	2009-10	Peter F. Bailey
19	1987-88	Mike Poirer	42	2010-11	Shawn LaBelle, PE
20	1988-89	Thomas Wolfstitch	43	2011-12	Michael R. Cook
21	1989-90	Bernard J. Young	44	2012-13	Thomas F. Dacres, Jr.
22	1990-91	Edward E. Pearson, PE	45	2013-14	Nathan Mascolino, PE
23	1991-92	Gordon W. Root, Jr., PE	46	(Present)	Robert J. Favali

GENERAL MEETING

Mission Statement

ASHRAE will advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related human factors to serve the evolving needs of the public and ASHRAE members.

Vision Statement

ASHRAE

- ~ Will be the global leader in the arts and sciences of heading, ventilation, air conditioning & refrigeration.
- ~ Will be the foremost, authoritative, timely and responsive source of technical and educational information, standards and guidelines.
- ~ Will be the primary provider of opportunity for professional growth, recognizing and adapting to changing demographics, and embracing diversity.

PRESIDENTIAL AWARD OF EXCELLENCE TOTALS

Presidential Award of Excellence (PAOE) is the point system ASHRAE Region and Society use to help track the Chapter's activities. The chapter gets points in the below categories for activities that we do throughout the year. The awards banner that you see at the meetings represents CVC's accomplishments over the years. Below are definitions of what some of those awards are. If you want to know more about PAOE check out the www.ashrae.org website and do a search for the 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	2014 - 2015
Membership Promotion	800	0
Student Activities	500	0
Technology Transfer	1050	0
Research & Promotion	1050	0
History	300	0
Grassroots Government Activities	650	0
Chapter Operations	1000	0
Chapter TOTAL	5050	0

2014-2015 BOARD OF GOVERNORS

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Secretary	Blaine Connor 802-264-1134 blaine.conner@vtmechanical.com
Treasurer	Peter Bailey 802-434-2278 pfbaily@deicontrols.com

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Subscription to the newsletter and membership questions should be directed to Joshua Chiappone (518) 817-8669 or joshua.j.chiappone@jci.com

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