



THE CHAMP

monthly newsletter

of the Champlain Valley Chapter of ASHRAE

PRESIDENT'S MESSAGE



November is the gateway month to the winter sports season in Vermont. If you are a fan of the upcoming season and the fun opportunities it provides, I celebrate with you! I love to ski

which makes this an exciting time of year. There is wood smoke in the air, and my basement is soon to smell of ski wax.

Thank you to all who attended the November meeting. We had a great turn out, the Hampton presented a great dinner, and Dominic Kolandayan gave an informative presentation on ASHRAE standard 15 and how it applies to VRF systems.

Be sure to mark December 4th on your calendars for our next chapter meeting. We have invited our friends at the AIA to join us and we are excited to be hosting an ASHRAE distinguished lecturer. Gordon Sharp is going to present "A Holistic Overview of Technologies and Strategies to Achieve Deep Energy Reductions in Laboratories". As many of us know, laboratories are energy hogs. I encourage everyone to come and learn about the large potential for energy savings.

The November board of governors meeting was productive and I would like to share some highlights. We spent a fair portion of time talking about our chapter and Young Engineers in ASHRAE

(YEA). Every ASHRAE member under the age of 35 is by default a YEA member. Historically our chapter has not had an active YEA committee, and we are aiming to change that. We have committed to holding a specific YEA event sometime in the

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ASHRAE CVC UPCOMING EVENTS

WEDNESDAY DECEMBER 4, 2013

***Presentation by ASHRAE Distinguished Lecturer, Gordon Sharp: A Holistic Overview of Technologies and Strategies to Achieve Deep Energy Reductions in Laboratories**

- 4:30pm | BOG Meeting
- 6:00pm | General Meeting
- 7:00pm | Dinner Break

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spring/ early summer of 2014. The target of this event is going to be to provide an educational opportunity for young professionals in our HVAC field. A few ideas were presented but nothing is final. If you have any ideas, or better yet if you have experience teaching an entry level design class, please get in touch with me.

I am happy to report that our ASHRAE CVC chapter has again achieved Full Circle recognition this year. Full Circle is a goal set by ASHRAE headquarters each year. To receive full circle a chapter's entire executive board needs to make a personal donation in an amount not less than \$100 to research and promotion.

Get some wax on your skis, the season has officially started!

Nathan Mascolino
ASHRAE CVC PRESIDENT

TECHNOLOGY TRANSFER

Our November meeting – which was also a joint meeting of the local chapter of RSES – was a very well-attended meeting with another round of good food and technological conversation. We had a presentation from Dominic Kolandayan who is an applications engineer and the code and regulatory liaison for Daikin/McQuay. The presentation discussed the how we need to address ASHRAE 15 and 34 within our designs and installations of VRF systems. If you would like a copy of a white paper on the topic, please drop me an email and I will send you a copy.

We are continuing to revise the meeting format and work towards a more succinct yet informative

evening. I was pleased to see that we ended around 8:15PM which permitted folks to get home earlier. I also noticed that some people stuck around and continued to talk – a great way to keep the conversations going and to make new contacts.

We are really excited about of December speaker and topic. **December is our ASHRAE Distinguished Lecturer Month** and we have arranged to have Gordon P. Sharp, chairman of Aircuity, Inc. as our DL speaker. Gordon's presentation will be on Holistic Technologies and Strategies for Deep Energy Reductions for Laboratories. I would strongly encourage you to invite your hospital, research, and general laboratory clients to join you for Gordon's presentation. You may very well come away with new ideas and methods to help them reduce their energy costs.

I want to encourage you to plan to join us on Wednesday, December 4th for our Distinguished Lecturer meeting. If it has been a few months since you have attended an ASHRAE meeting, please make the effort. You will see many new and old faces plus with our DL on deck, have the opportunity to hear a good presentation. And please contact me if you have any topic ideas that you would like to see presented

Rob J. Favali
ASHRAE CVC TECHNOLOGY TRANSFER CHAIR

LEADERSHIP QUOTE OF THE MONTH

"Whatever you are, be a good one."

~ Abraham Lincoln

TREASURE'S REPORT

As of November 18th, 2013 our TD Bank account is \$7,304.59 and all of our bills are paid and our account is reconciled.

Just a reminder for those Companies who have not yet sent in payments for their 2013 – 2014 Newsletter Advertising – please send them in as we would like all payments on or before December 31st 2013.

If at any time, anyone has any questions regarding our chapters financial status please don't hesitate to contact me.

Peter Bailey

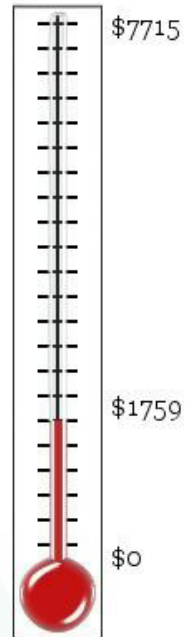
ASHRAE CVC TREASURER

RESEARCH PROMOTION

Well as you can see we have a long way to go to meet our 2013-14 goal. I am happy to announce that our chapter will be receiving a Full Circle award again this year. For those that don't know what full circle is it is achieved when all of the chapter officers donate a minimum of \$100 to research promotion. This not only gives a great early boost to the fund raising efforts, but it also demonstrates to the rest of the chapter a level of commitment from the chapter officers. I am currently looking to put together a list of vendors and manufacturers that are interested in another tailgate party in the spring. I am also looking to fill our vender tables at our monthly meetings so shoot me an email if you or someone you know might be interested.

Rob Ward

ASHRAE CVC RESEARCH PROMOTION CHAIR



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2013-2014 ASHRAE CVC MEETING CALENDAR

NOV 2013
Vol. 28 No. 03

SEPTEMBER 5	OCTOBER 2	NOVEMBER 6	DECEMBER 4	JANUARY 8
<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm General Meeting</p> <p>7:00pm Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> Bill Root, PE GWR Engineering "My NET ZERO Home – The Real Facts"</p>	<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>5:00pm Social Hour</p> <p>5:45pm 1st Presentation</p> <p>>> Len Damiano, (Ebtron) "Building Pressurization Control for Adequate IEQ"</p> <p>6:45pm Dinner Break</p> <p>7:30pm 1st Presentation</p> <p>>> Len Damiano, "Demand Control Ventilation Strategies"</p> <p>Additional Information: Both Courses are USGBC accredited.</p>	<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm General Meeting</p> <p>7:00pm Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> Trevor Gensch, Daikin "VRF Design Compliance with ASHRAE 15"</p> <p>Additional Information: RSES Joint Meeting MEMBERSHIP Promo Night</p>	<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm General Meeting</p> <p>7:00pm Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> DL SPEAKER Gordon Sharp "Holistic Technologies & Strategies for Deep Energy Reductions in Laboratories"</p>	<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm General Meeting</p> <p>7:00pm Dinner Break Meeting</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> Jessie Robbins, AIA Freeman French Freeman "Update on LEED v.4.0"</p> <p>Additional Information: Holiday Mixer; Open Invitation to VT-AIA and VGBN Members</p>
FEBRUARY 7	MARCH 5	APRIL 2	MAY 7	JUN./JUL./AUG.
<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> Facilities tour, University of Vermont AIKEN building Tour</p> <p>Additional Information: LUNCH MEETING TIME TBD</p>	<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm General Meeting</p> <p>7:00pm Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> Bruce Majer, BRD Noise & Vibration Control "Acoustics 101"</p> <p>>> Bruce Majer "RTU Sound Attenuation"</p>	<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm General Meeting</p> <p>7:00pm Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> VTC PRESENTATIONS</p>	<p>4:30pm BOG Meeting @ Hampton Inn, Colchester</p> <p>6:00pm General Meeting</p> <p>7:00pm Dinner Break</p> <p>Meeting Presentation(s) / Topic(s)</p> <p>>> Jim Shiminski, DAC "Heat Pipe Energy Recovery Systems"</p> <p>>> Jim Shiminski, DAC "Pumped Glycol Energy Recovery Systems"</p> <p>Additional Information: MEMBERSHIP Promo Night</p>	<p>JUNE EVENTS -Tail Gait</p> <p>JULY EVENTS -TBD</p> <p>AUGUST EVENTS -TBD</p>

GRASSROOTS GOVERNMENT AFFAIRS COMMITTEE

Late September of this year, Representative Peter Welch announced relocating his offices to a State-of-the-Art Energy Efficient Building in Burlington, Vermont. His new offices are located in the Innovation Center of Vermont Building located on the south end of the city.

The Innovation Center of Vermont, built in 1894 as the Queen City Cotton Mill, is the former home of General Dynamics and the current home of Efficiency Vermont, Vermont's energy efficiency utility. The building is highly energy efficient, harnessing geothermal energy for cooling and achieving an overall 99 percent Energy Star rating.

Representative Welch has introduced a series of bills in the House on energy efficiency modeled after Vermont's pioneering efficiency programs. He is the founder of both the House Energy Saving Performance Caucus and the House High Performance Building Caucus.

Representative Welch can be contacted at the following address:

128 Lakeside Avenue
Suite 235
Burlington, Vermont 05401

(The phone numbers and website remain unchanged):

888-605-7270 (toll free)
802-652-2450
www.welch.house.gov

Dick Wilcox

ASHRAE CVC GGAC CHAIR

STUDENT ACTIVITIES

VTC CHAPTER

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

I would like to take to take the time and thank the VTC students for making the trip to attend this month's meeting. It was nice to see representation from our student chapter. I look forward to seeing more of you at future meetings.

Last meeting the students submitted to me a yearly budget itemizing their expenses and fundraising goals for the year. This year the student chapter is sending 12 student members and Chapter Advisor Professor John Reilly to the 2014 ASHRAE Winter Conference. Any donations would be greatly appreciated.

As always the students are looking for a few tour ideas for this year's student chapter. If you know of any tours that would be of interest please contact Chris Reilly or myself.

Shawn LaBelle

ASHRAE CVC STUDENT ACTIVITIES CHAIR

SAVE THE DATE

CVC ASHRAE will be sponsoring a viewing of the Free Webcast....

Buildings in Balance: IEQ and Energy Efficiency

Date: April 17, 2014
Time: 1:00pm – 4:00PM





2013-2014 Board of Governors,
Officers & Chairpersons

BOG MEETING MINUTES

NOVEMBER, 2013 BOG Meeting Minutes

Date: 11/06/2013

Location: Hampton Inn, Colchester VT

ATTENDANTS

Nathan Mascolino
 Rob Favali
 Rob Ward
 Joshua Chiappone
 Shawn Labelle
 Mike Cook
 Rachael Mascolino

LAST MEETING MINUTES

The meeting was called to order by Nathan at 4:28pm

A motion was made by Rachael to approve the meeting minutes for September. The motion was seconded by Rob Favali

OFFICER REPORTS

1) Treasurer Report- Peter Bailey

a) Peter was not in attendance but Nathan indicated that he has been working with Peter to come to come up with a budget for the 2013/14 year. Nathan also stated that the chapter ended up making approximately \$1500 on the CRC 2013.

2) President – Nathan Mascolino

a) There was a brief discussion confirming

that the 50/50 raffle money from the general meeting would go towards offsetting the cost of the meals for the quests.

b) Rachael M. made a motion to vote on whether or not to reserve a table for the chapter at the Better Buildings By Design conference for the cost of \$425. There were none in favor. The issue will be table until the next meeting.

3) Grassroots Committee – Dick Wilcox

Dick Wilcox was not in attendance. Nothing new to report.

4) President Elect – Rob Favali – CTTC Chair

a) December's meeting will feature a Distinguished lecturer. Rob F. will forward along the press release for the speaker to be added in the newsletter.

b) February's meeting is going to be a lunch meeting at UVM. Aiken Hall was mentioned as a possible location.

c) Rob mentioned that the paperless meeting reviews are working well.

5) Electronics Communications Chair – Rachael Mascolino

a) There was a general discussion about the state of the YEA. Rachael and Josh C. plan to organize an informal educational opportunity during this 2013-14 ASHRAE year.

6) Vice President – Rob Ward – RP Chair

a) Rob W. mentioned that the deadline for Full Circle is nearing November 15th. Rob will send

...continued on page 8

out an email to all of the officers as a reminder along with a link to the donation site.

b) There was a general discussion about possible fund raisers. A bowling tournament was a popular idea. Rob W. will plan to look into the cost of hosting and event like this.

7) Membership Promotion – Joshua Chiappone

a) Mike Cook called a vote to descide whether the money from the 50/50 raffle will go to the chapter instead of RP to offset the cost of the guests that were invited for Membership Promotion Night. All were in favor and none were against. The motion passed.

8) Shawn Labelle – Student Activities

a) Shawn Labelle has requested a budget from the student chapter and had not yet received it.

HAPPY HOLIDAYS!



OLD BUSINESS:

None

NEW BUSINESS:

None

MEETING ADJOURNED

Nathan M. made a motion to adjourn the meeting at 5:29. It was seconded by Rachael M.

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

VERMONT TECH ENGINEERING

ASHRAE Order Form

Pricing:

\$18.00 T-Shirt

\$37.00 Hooded Sweatshirt

- For 2 or 3XL add \$3.00

Colors: Black, Gray, Hunter Green, Pink, Orange, Purple, Red, Yellow, White, Navy Blue...Etc.

Majors: Architectural, Civil, Computer, Construction, Electrical, Electromechanical, Sustainable, write in ok (if not listed)

Order:

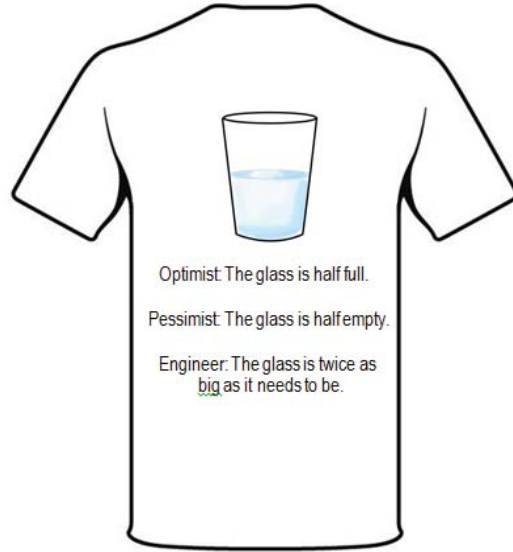
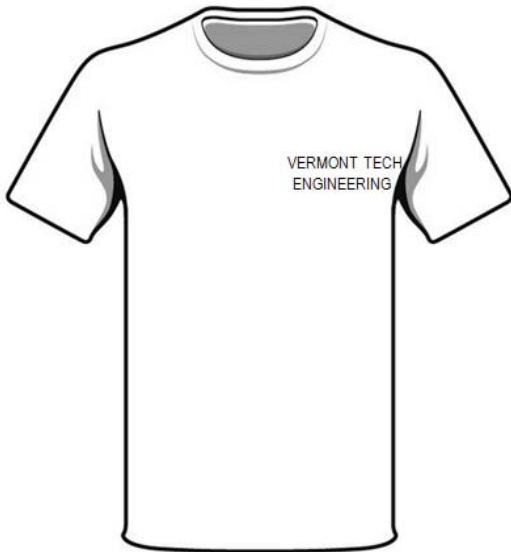
Products:	T-Shirt	Sweatshirt
Size:		
Color:		
Major		
Quantity:		
Total Cost:		

Please Print Clearly

Customer Name:	
Email:	
Phone#:	
Building/Room #:	

Payment can be cash or check. Please make checks payable to VTC and on the Memo line write ASHRAE. Orders can be dropped off Monday – Friday, anytime with Prof. Reilly in Green 121. **DEADLINE for orders is Friday, November 22nd**. Orders should be available for pick up 2 weeks later.

Example t-shirt



Example sweatshirt



Payment can be cash or check. Please make checks payable to VTC and on the Memo line write ASHRAE. Orders can be dropped off Monday – Friday, anytime with Prof. Reilly in Green 121. **DEADLINE for orders is Friday, November 22nd**. Orders should be available for pick up 2 weeks later.



NEW YORK CITY

ASHRAE ANNUAL MEETING 2014

REGION I DINNER

MONDAY, JANUARY 20TH, 2014 - DINNER: 7PM

New York City is not only home of this year's Winter Conference, and the sports capital of the world, it's hosting Region 1 Dinner time! Please join the members of Region I for an evening of dining in the Big Apple. Johnny Utah's, home of Manhattan's original mechanical bull, has redefined the urban cowboy experience. The restaurant boasts an authentic Southwestern menu and impressive cocktail list. Each attendee will order from the prefix menu and will be responsible for their own check...dinner price will be \$40 plus Tax and Gratuity. All cocktails extra.



Dinner selections include Marinated Chicken, Steak, or fresh jumbo shrimp Fajitas, and Slow Cooked Baby Back Ribs ...also featured are the Appetizers of Chicken Wings, and Sliders that may be your new savory favorite. For sides Mac n' Cheese or French Fries. Enjoy a tasty meal and if you're up for it – the mechanical bull awaits....

RSVP: Frank Rivera Jr. by January 15th at frivera@mechheat.com



<http://www.johnnyutahs.com/>



2013 CHAPTER REGIONAL CONFERENCE (CRC) AWARDS

Here are the (10) awards the Champlain Valley Chapter received at the 2013 CRC in Burlington, Vermont August 17, 2013 during the awards luncheon.

- ▶ Participation in Student Design Competition- “HVAC System Design Calculations”
Shawn Labelle - Champlain Valley & Students of Vermont Technical College
- ▶ Participation in Student Design Competition- “HVAC System Selection”
Shawn Labelle - Champlain Valley & Students of Vermont Technical College
- ▶ Outstanding Performance
Champlain Valley Chapter, **Nathan Mascolino P.E.**
- ▶ Websitation of Excellence
Rachael Mascolino, Champlain Valley, www.ashraevt.org
- ▶ Black Ink Award
Cara Gorman, Champlain Valley, THE CHAMP
- ▶ High Honor Roll, Star, Special Citation
Tom Dacres - Champlain Valley Chapter
- ▶ Chapter Service Award
Peter F. Bailey - Champlain Valley Chapter
Shawn R. LaBelle - Champlain Valley Chapter
Richard J. Wilcox - Champlain Valley Chapter
- ▶ Golden Gavel Award - Outstanding (Best Overall) Chapter Performance
Thomas F. Dacres, Jr. - President



Congratulations to the efforts of the entire 2012 – 2013 Champlain Valley Chapter team including Officers, Board of Governors, Committee Chairs and volunteers for a successful year!

2013-2014 PRESIDENTIAL NEWSLETTER

DATE: June 1, 2013

TO: Chapter Presidents, ASHRAE Membership Promotion Committee, ASHRAE Student Activities Committee, ASHRAE Research Promotion Committee, ASHRAE Chapter Technology Transfer Committee, ASHRAE Grassroots Government Activities Committee, Young Engineers in ASHRAE Committee, Regional Historians, Assistant Regional Chairs, Board of Directors

FROM: William P. Bahnfleth, PhD, PE



SUBJECT: PRESIDENTIAL AWARD OF EXCELLENCE (PAOE)

ASHRAE chapters are the backbone of the Society and play a central role in achieving its goals. Through our collective efforts, ASHRAE chapters are a vital, global driver of progress in building science and technology.

My Presidential theme, "Shaping the Next," focuses on the importance of goals, planning, and commitment to enable us to fulfill our responsibility to our world - making buildings safe, healthy, productive, comfortable environments in harmony with nature - by developing ourselves - the professional community and transforming our work - what we do, how we do it, and who we do it with.

The PAOE for the coming year reflects these points of emphasis. It also includes new section for Grassroots Government Activities, coinciding with the initiation of ASHRAE's new Grassroots Government Activities Committee (GGAC).

Highlights of new activities for which PAOE points will be awarded include:

75 points for establishing and updating annually a chapter long term strategic plan (minimum of 3 years) with goals for chapter growth, leadership, and financial stability.

100 points for a project that provides education and support for Indoor Air Quality (IAQ) in the professional community and/or Society at large

50 points for each chapter program on Indoor Air Quality/Environmental Health

50 points for each chapter program dealing with global issues

150 points for establishing and annually updating a list of government officials (at any level of government relevant to buildings, engineering or construction, including building officials, school system facility staff, state energy code officials, etc.) along with their contact information. In addition, translation of ASHRAE publications by Chapter members will now be given the same credit as authoring an article.

There are seven categories included in this year's PAOE: Chapter Operations, Chapter Technology Transfer, Grassroots Government Activities, Historical, Membership Promotion, Research Promotion, and Student Activities. To achieve PAOE, the chapter must earn the minimum points in five of the following six categories: Chapter Operations, Chapter Technology Transfer, Grassroots Government Activities, Membership Promotion, Research Promotion, and Student Activities. Please refer to the criteria specified in each of the categories for calculating the PAOE points. For additional information or clarification, consult the PAOE Frequently Asked Questions (FAQ) section on the ASHRAE website. Please note that appropriate documentation must be kept by the Chapter to support PAOE point input, and that "chair" is defined as the individual listed in the Chapter Information Questionnaire (CIQ) on file with Society.

I appreciate the dedication, enthusiasm and hard work you bring to improving our Society and providing value to our membership. I look forward to working with you during the coming year.

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 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	2013 - 2014
Membership Promotion	0	0
Student Activities	0	0
Technology Transfer	0	0
Research & Promotion	0	0
History	0	0
Chapter Operations	0	0
Chapter TOTAL	0	0

2013-2014 BOARD OF GOVERNORS

Joshua Chiappone T: 518-817-8669 joshua.j.chiappone@jci.com	Shawn LaBelle T: 802-857-5011shawn. ShawnL@amivt.com
Rachael Mascolino T: 802-540-7846 rmascolino@veic.org	Mike Cook T: 802-291-0911 mcook@arcmech.com
Dick Wilcox T: 802-655-8805 dwilcox@vhv.com	Thomas Dacres, Jr., LEED AP BD+C 802- 655-8805 x 152 tomd@vhv.com

2013-2014 CHAPTER OFFICERS

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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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