



# THE CHAMP

monthly newsletter

of the Champlain Valley Chapter of ASHRAE

## PRESIDENT'S MESSAGE



Though it may be cooling down outside, things are still happening at the Champlain Valley Chapter of ASHRAE. Last month we had Kirk Phips give a technical talk on manual and hydronic

balance valves, something those in the HVAC&R community deal with on every job. We learned that even something as simple as the balance valve has a huge impact on occupant comfort & system performance. I thank Kirk for coming down and updating us on them.

For the December meeting, ASHRAE-CVC is proud to partner with the Vermont chapter of the Construction Specifications Institute (CSI) for a special panel discussion with representatives from all parts of the design & construction phase including the owner, designer, general contractor, commissioning agent & HVAC consultant. Your CTTC Chair, Brent Weigel will moderate the group. The prompt is "Coordination and Quality Control Through Design and Construction". I really hope that you can make it to this meeting – it is sure to be a great one.

Stay warm out there!

Thanks!

- Blaine D. Conner

ASHRAE CVC President 2016-17

## ASHRAE CVC UPCOMING EVENTS

Stay up to date on the latest ASHRAE CVC events by visiting our website:

[www.ashraevt.org](http://www.ashraevt.org)

### Upcoming Meetings:

January 11 - Joint AIA Webinar

February 7 - Tour

March 1 - Tour

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# ASHRAE CVC MEETING CALENDAR

MONTH	DAY	YEAR	LOCATION	EVENT
<b>2016</b>				
Aug.	5	2016	Williston GC	Golf Outing
Sep.	7	2016	Holiday Inn	Tech Tour & Dinner
Oct.	5	2016	Holiday Inn	Dinner & Tech
Nov.	2	2016	Holiday Inn	Dinner & Tech
Dec.	7	2016	Holiday Inn	Dinner & Tech
<b>2017</b>				
Jan.	11	2017	Holiday Inn	Joint AIA Webinar
Feb.	8	2017	Stowe	Tour
Mar.	1	2017	Middlebury	Tour
Apr.	5	2017	Holiday Inn	Dinner & Tech
May	3	2017	Holiday Inn	Dinner & Tech
Jun.	TBD	2017	TBD	Social Outing
Jun.	TBD	2017	TBD	Golf Outing

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## GRASSROOTS GOVERNMENT AFFAIRS COMMITTEE

The US Presidential election is over, but it still makes the big news nationally most of our days. The following is some other news that is lower profile, but should be noted:

### Vermont Green Line Project

We made a report on this project in a recent newsletter and it appears to be making some traction through the various stages of permitting and government agencies for approval.

With the exception of Ferrisburgh, the Vermont Green Line project has reached agreements with all of the towns through which the transmission line would run. According to the developers, the Ferrisburgh final negotiations are expected to be finalized within the first quarter of next year.

Of a particular note is that it was announced in late October that the Vermont Green Line had failed to win a major contract to supply energy to several New England states. National Grid, one of the partner developers of the Green Line Infrastructure Alliance, says it will continue to pursue the project and that the lack of an end purchaser has not altered the development schedule.

### New England Clean Power Link

The U.S. Department of Energy recently gave its approval to a 1,000-megawatt international power line that will carry mainly Canadian hydroelectric energy to southern New England. The Vermont Public Service Board had approved the project early this year. As part of this new transmission line, Vermont will have the opportunity for 200 megawatts of the power.

The transmission cable will carry 1,000 megawatts

of direct-current electricity 154 miles from the Canadian border to Ludlow, where a converter station would transform the electricity to alternating current. VELCO indicates that the power will flow into the ISO-New England grid at the Coolidge Substation in Ludlow and Cavendish. Most of the cable's length from the Canadian border will be buried beneath Lake Champlain (approximately 98 miles).

### Federal Ethanol Mandate

U.S. Department of Agriculture Secretary Tom Vilsack recommends that a higher percentage of ethanol be blended into gasoline to support the nation's struggling biofuel industry. The United States currently allows gasoline to contain a maximum of 10.2 percent ethanol, most of which is produced from corn. Vilsack said he is discussing an increase in the blend target with the U.S. Environmental Protection Agency (EPA), the department that controls the nation's biofuel standard.

A higher blend rate would appease the ethanol industry by expanding the market, but environmentalists say it would further exacerbate climate change. The EPA and U.S. Department of Energy are studying how a higher blend rate would affect both vehicle handling and the environment. According to the auto industry, most cars are not designed to run on a higher ethanol blend. It also remains unclear how the higher blend ratio would affect air pollution and greenhouse gas emissions.

Locally, our US Senator Peter Welch intends to fight any efforts to expand a massive nationwide subsidy to corn farmers instituted during the George W. Bush administration. Peter Welch indicates that expanding the national fuel mix to 15 percent ethanol would expand a program that's known not to work. Welch said a bill he'll introduce next year will seek to cap the ethanol mix at 9.7 percent,

instead of expanding it to 15 percent, as some have proposed.

**Renewable Energy Siting Rules (ACT 174)**

On December 2, 2016 the Public Service Board convened on a workshop related to sound standards for new wind turbines. The board members heard from scientists, town officials and other Vermonters. The proposed standards would prohibit wind energy developments from emitting sound loud enough to measure 45 decibels outside any nearby homes. Under consideration is whether to establish a separate sound limit to be measured inside residences.

Public Service Board member Margaret Cheney said the rules under consideration have not yet entered the formal rulemaking process. Further public hearings and comment periods will occur once the formal process begins. The next hearing on the sound standards has not been scheduled.

**Federal and International News Updates**

(as reported by ASHRAE.org)  
Follow the active links or refer to ASHRAE.org/  
Government Affairs Updates

**US Government Affairs**

- Future of Comprehensive Energy Bill Appears Dim
- US DOE Withdraws Rule on Commercial Packaged Boilers
- US DOE Proposes Regulations for Grid Security
- DOE Finalizes Energy-Efficiency Standards for Ceiling Fans
- DOE Extends Public Comment Period on Proposed Residential Furnace Rules

**US Government Activities**

- Future of Comprehensive Energy Bill Appears Dim

- US DOE Withdraws Rule on Commercial Packaged Boilers
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- DOE Finalizes Energy-Efficiency Standards for Ceiling Fans
- DOE Extends Public Comment Period on Proposed Residential Furnace Rules

- Dick Wilcox  
ASHRAE CVC GGAC Chair

**PAOE UPDATE**

The Presidential Award of Excellence (PAOE) is a great way to stay for ASHRAE-CVC to stay on top of chapter operations while earning points and awards for our chapter. Each year the ASHRAE Society President dedicates a portion of their presidential theme to include in the PAOE.

Updates from Committee Chairs (Current PAOE Points listed)

- a. Chapter Operations – 835
- b. CTTC – 50
- c. GGAC – 50
- d. History – 165
- e. Membership Promotion – 100
- f. RP – Assigned by RVC – 825
- g. SA- 150

Respectfully Submitted,

- Blaine D. Conner  
ASHRAE CVC President 2016-17

(PAOE updates and totals can be found under the chapter contact section of this newsletter)



## STUDENT ACTIVITIES

Committee Chair: Brent Weigel

Student Chapter Advisor: Chris Reilly  
 Student Chapter President: Andrew Harhen

Our Champlain Valley Chapter Board of Governors has pledged financial support for the VTC student chapter to attend the ASHRAE Winter Meeting. The ASHRAE Winter Meeting is a special opportunity to see technologies and to meet professionals in our industry from around the world.

We are now accepting applications for the Past President's Memorial Scholarship. The criteria for the scholarship include:

- Enrollment in a four-year college with completion of at least three semesters or enrollment in a two-year college with completion of at least two semesters;
- Enrollment in the college's mechanical engineering or architectural engineering program;
- A minimum overall 3.0 grade point average;
- Demonstration of a financial need;
- Demonstration of an interest in pursuing a career in an ASHRAE oriented field.
- Please email me if you would like to apply, or would like to encourage a candidate to apply.

Do you know a teacher in an area middle school or high school with students that may be interested in learning more about what engineers do? If so, please let the Student Activities Committee know! We are making plans now for Engineer's Week in February.

- Brent Weigel  
 Student Activities Chair 2016-17


## CHAPTER TECHNOLOGY TRANSFER COMMITTEE

We have some exciting events planned this Spring!!


March 1, 2017: Technical Tour of the net zero Middlebury Town Office Building with the Vermont Green Building Network.

April 5, 2017: ASHRAE Distinguished Lecturer Daniel Nall will present "Thermally Active Structures for Green Buildings". We will be joined by members from AIA and ASCE.

- Brent Weigel  
 ASHRAE CVC CTTC Chair 2016-17




**LIKE ASHRAE CVC ON FACEBOOK TODAY!**

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**Date:** 11/2/2016

**Location:** Holliday Inn, South Burlington, VT

**Called to Order:** 4:10 PM

**Called to Order By:** Blaine Conner

**Minutes Recorded By:** Charlie Carpenter

**ATTENDANCE:**

Name	Title	Organization	Present
Blaine Conner	President	VMI	X
Brent Weigel	President-Elect	Hallam	X
Nicholas Thiltgen	Vice President	VEIC	X
Charlie Carpenter	Secretary	VEIC	X
Jeremiah Trombly	Treasurer	MAS	
Nathan Mascolino	BOG Member	VHV Company	
Rob Ward	BOG Member	VHV Company	
Mike Cook	BOG Member	ARC Mechanical	X
Shawn Labelle	BOG Member	VHV Company	
Dick Wilcox	BOG Member	VHV Company	
Rob Favali	BOG Member	Dubois & King	X
Tom Zoller	Member	Trane Inc.	X

**OFFICER'S REPORT**

1. **Approve Minutes**
  - a. Rob F moves to approve last meeting minutes (October). Motion passes.
2. **Treasurer's Report**
  - a. Current Status – \$16,934.40 accounts reconciled to date.
3. **Resource Promotion**
  - a. Tonight is RP night. Blaine will speak about what RP is and how it benefits our society and local chapter. Tom will speak about our progress to date (41% of goal).
4. **Updates from Committee Chairs**
  - a. **Chapter Operations:** No change.
  - b. **CTTC:** Brent will update points to reflect his recent activity.
    - i. Tonight's presentation is on auto balancing valves.
    - ii. Next month is up in the air. Brent is hoping to pull together a round table joint meeting with the Vermont CSI (Construction Specifications Institute) Chapter.
    - iii. Switchback Tour is in two Saturdays and includes YEA.
  - c. **GGAC:** Dick submitted his report for the newsletter.

- d. **History [Mike]:** No Updates. Mike is thinking about writing an article on local awards or any anniversaries of local HVAC companies.
- e. **Membership Promotion:** No updates.
- f. **Student Activities:** VT Tech students are sending students to the ASHRAE Winter Conference in Las Vegas.
  - i. Discussion as to how much we can support their trip. Decision to look at their budget next meeting and approve appropriate funds.
- 5. **YEA Nominations**
  - a. Discussion as to whether our chapter should nominate a member. Must be < 35 years old and hold a PE license; active in community and volunteer a plus.
  - b. We must have an outstanding applicant to make it worthwhile to apply.
  - c. Blaine will send out an email to the chapter asking if anyone has nominations.
- 6. **Photos for Regional Chapter Video?**
  - a. VTC Awards ceremony and UVM STEM tour are potential sources.
- 7. **Update to Bylaws to Include GGAC:**
  - a. Our last update was in 2004. Blaine is working with Society who states a vote from our chapter on new bylaws is not required.
  - b. Rob F suggests sending bylaws to all members following update.
- 8. **New Business**
  - a. **Math Counts Fundraising:** Bill Atkinson sent us request from the VSPE (VT Society of Prof. Engineers) to donate to Math Counts competitions for middle schoolers.
    - i. Our budget for student activities is \$1,250 for the VTC Winter Conference trip and other scholarships.
    - ii. We will need to see if there will be any leftover funds for this cause next meeting.
  - b. **Additional Gift for Presenters?** Discussion as to if an additional gift/thank you should be provided to our monthly presenters.
    - i. Budget for CTTC does not include this. Meals are already covered in overhead dinner costs each meeting. Gifts or drinks will be provided out of pocket from Board members and not from the budget.
    - ii. Distinguished Lecturer presentation is scheduled in April. Funds to cover their hotel and meal will be voted on separately from CTTC budget.
- 9. **Budget**
  - a. Mike Cook motions to approve the budget as it stands, Brent seconds this motion. Motion passes and the current budget is approved.

## **MOTION TO ADJORN**

- a. A motion was made by Rob F to adjourn the meeting. It was seconded by Brent and the motion was carried. The meeting adjourned at 5:05 pm
- b. Next BOG meeting will be before Dec 7<sup>th</sup> Chapter meeting at the Holiday Inn.

*bdc*

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

# NORTHEAST BIOMASS HEATING CONFERENCE & EXPO 2017

BURLINGTON, VT | APRIL 25-27 | NEBIOMASSHEAT.COM

BIOMASS THERMAL ENERGY COUNCIL

## NEBHX 2017

*Exciting New Conference Program,  
Best Concentration of Biomass Thermal Suppliers in One Expo Hall*

From April 25-27, 2017, the Northeast Biomass Heating Conference & Expo (NEBHX) will draw hundreds of industry professionals and exhibitors from the U.S. and Canada to Burlington, VT to attend North America's leading biomass thermal energy event.

The Conference offers tracks that appeal to key audiences, such as:

1. **Project Developers and ESCOs**
2. **Facility Managers, Engineers, and Architects**
3. **Fuel Manufacturers, Equipment Manufacturers, and Supply Chain**
4. **Policy Influencers and Implementers** including NGOs, state/federal agency and legislative staff
5. **Marketing and Business Development Professionals**

**The technical and project development track** will offer insight and debate on current and emerging fuel and equipment technologies.

**The policy track** will provide a roundup of state, federal, and international biomass policies and a look at the policy innovations taking shape in the Northeast and other regions.

**The business development track** will provide information on selling biomass thermal energy to customers, financing projects, and conducting feasibility studies.

The Expo is the ideal place for engineers, architects, builders, and facility managers to see the opportunities for biomass thermal heating in their facilities, and communicate one-on-one with manufacturers and providers to see what technology best fits their needs.

A bus tour and educational workshops, some with continuing education credit opportunities, are scheduled for April 25. This will be followed by an evening sneak peek of the expo hall before the official opening on April 26.

NEBHX is hosted by the Biomass Thermal Energy Council, and will be held at the Sheraton Hotel and Conference Center in Burlington, VT, April 25-27, 2017.

For more information and to register, visit [www.nebiomassheat.com](http://www.nebiomassheat.com).



The Biomass Thermal Energy Council (BTEC), the national industry trade association for biomass thermal energy and combined heat and power. Based in Washington, DC, BTEC lobbies for biomass-friendly policies and works to develop technical and regulatory standards to expand biomass thermal energy markets. BTEC's members include businesses, non-profits, universities, and government organizations with an interest in advancing biomass thermal as a mainstream renewable energy source. To find out more about BTEC, visit [www.biomassthermal.org](http://www.biomassthermal.org).



## NEW DUCT SIZING CALCULATOR AVAILABLE

ATLANTA – A new duct sizing calculator from ASHRAE and the Air Distribution Institute (ADI) allows HVAC air distribution system designers to more accurately size ducts, especially flex ducts under varying amounts of compression, based on research results.

The Duct Size Calculator is a quick reference tool for approximating duct sizes and equivalent sizes of sheet metal duct vs. flexible duct. The calculator uses information from ASHRAE Research Project 1333, HVAC Duct Efficiency Measures, and was developed with funding support from ASHRAE and ADI. ASHRAE Technical Committee 5.2, Duct Design, sponsored the project.

“While the calculator resembles a wheel similar to those used during the days of slide rules, it incorporates three new fields for equivalent duct sizing,” Chris Van Rite, developer of the calculator, said. “These new fields help demonstrate the significant loss of airflow due to improper installation of flexible ducts.”

The calculator includes fields for 4, 15 and 30 percent compression in flexible ducts. Van Rite notes that the calculations used to create these size references are based on straight line compression as performed in the laboratory on a flat surface. Field installed flexible ducts with bends, kinks and excessive lengths will have additional resistance, which will result in diminished airflow.

“The use of this tool allows duct designers to account for less than optimum installation and gives a more accurate design to installed performance correlation,” Van Rite said.

ASHRAE research has quantified the effects of compression (not stretching) flexible duct, which increases the roughness and therefore the friction loss inside a flexible duct. Airflow testing follows protocols prescribed by ANSI/ASHRAE Standard 120-2008, Method of Testing to Determine Flow Resistance of HVAC Ducts and Fittings.

Testing at Lawrence Berkeley National Laboratory and at Texas A&M University along with data analysis by Tennessee Technical University has quantified the adverse effects of compression on airflow. Those correlations agreed closely with the equations published in Chapter 21 of the 2013 ASHRAE Handbook, Fundamentals, so the equations were used to create the new calculator, he said.

The Duct Size Calculator features inch-pound (I-P) units on one side and the International System of Units (SI) on the other.

The cost of the calculator is \$34, ASHRAE members (\$40, non-members). To order, visit [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore) or contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide) or fax 678-539-2129.

ASHRAE, founded in 1894, is a global society advancing human well-being through sustainable technology for the built environment. The Society and its more than 56,000 members worldwide focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability. Through research, standards writing, publishing, certification and continuing education, ASHRAE shapes tomorrow's built environment today. More information can be found at [www.ashrae.org/news](http://www.ashrae.org/news).

## ASHRAE 90.1 NEWS



2016  
AHR  
EXPO  
ORLANDO JAN 25-27

ATLANTA – When it comes to opportunities for professional development, networking and access to the latest technology, ASHRAE has stacked the deck in favor of its 2017 Winter Conference and AHR Expo taking place in Las Vegas.

The Conference dates are Jan. 28-Feb. 1 at Caesars Palace with the Expo being held Jan. 30-Feb. 1 at the Las Vegas Convention Center. The two events are expected to draw thousands of industry professionals from around the world, drawing on the record breaking attendance from the 2011 Conference and Expo held in Las Vegas for the first time.

To register for the Conference, which includes free access to the Expo, visit [www.ashrae.org/lasvegas](http://www.ashrae.org/lasvegas).

The Conference offers some 200 Professional Development Hours recognized by most U.S. states, AIA LUs and LEED AP credits through ASHRAE Learning Institute course and Technical Program sessions.

ASHRAE's Technical Program raises the stakes in addressing the challenges faced today and in the future by industry professionals. Via eight tracks, the program attempts to bridge the gap between the design decisions made today that will impact the future. New tracks that address changes in technology include Water-Energy Nexus, Advances in Mission Critical Design and Operation, Climate Change and Its Effects on HVAC&R Design and Technologies, and Energy

Efficiency Industrial Buildings and Life Safety. The full program will be available later this month.

Twenty Professional Development Seminars and Short courses are offered by the ASHRAE Learning Institute. New courses include Cogeneration from the Basics through Construction and Operation, Complying with Standard 90.1-2016, Complying with the Requirements of Standard 62.1-2016, New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs, Variable Refrigerant Flow System Design and Application, Complying with Standard 90.1-2016 Appendix G, and Design of Affordable and Efficient Ground Source Heat Pumps.

Additionally, ASHRAE is offering two administrations of its six certification program exams, including its new Building Commissioning Professional (BCxP) certification developed with the goal of achieving U.S. Department of Energy (DOE) recognition by summer 2017. The other certifications are the ANSI-accredited Building Energy Assessment Professional (BEAP), Building Energy Modeling Professional (BEMP) and High-Performance Building Design Professional (HBDP) as well as the Healthcare Facility Design Professional (HFDP), and Operations & Performance Management Professional (OPMP).

The keynote speaker at the opening Plenary Session is Adam Steltzner, team lead and chief engineer for NASA's Mars Rover, Curiosity. For 10 years, Steltzner led a team of engineers inventing, designing and testing the revolutionary "sky crane" landing system that successfully placed the rover on the Martian surface in 2012. Five times heavier than its predecessors, Curiosity required an entirely new landing system for the 7-minute phase when the one-ton rover—entering Martian atmosphere at 13,000 mph—must stop fully on the surface. To inspire attendees, Steltzner discusses the power of human curiosity and the importance of fostering a culture of collaborative innovation.



## 2016-2017 PRESIDENTIAL NEWSLETTER

**DATE:** July 2, 2016

**TO:** Chapter Presidents  
 ASHRAE Membership Promotion Committee  
 ASHRAE Student Activities Committee  
 ASHRAE Research Promotion Committee  
 ASHRAE Chapter Technology Transfer Committee  
 ASHRAE Grassroots Government Advocacy Committee  
 Young Engineers in ASHRAE Committee  
 Regional Historians  
 Region Members Council Representatives  
 Assistant Regional Chairs  
 Board of Directors

**FROM:** Timothy G. Wentz

**SUBJECT:** PRESIDENTIAL AWARD OF EXCELLENCE (PAOE)

ASHRAE members and their chapters are the backbone of our Society and play a vital role in achieving its goals and mission. Through their collective efforts, ASHRAE chapters are the global driver of volunteer activity as we strive to meet our goal of shaping tomorrow's built environment.

Our theme for 2016 – 2017, 'Adapt Today to Shape Tomorrow', focuses on adapting ASHRAE's resources, investments and technology to energize our membership and empower our chapters. Through the theme's initiatives, ASHRAE will continue to build a worldwide network of innovative people and successful technologies to transform lives, organizations and communities. ASHRAE members have a tremendous passion for our mission, which this year's theme builds upon to produce an environment of excellence driven by the power of adaptation. Our ability to shape tomorrow is borne by our willingness to adapt today, which is the driving force behind our theme and is incorporated into this year's PAOE program.

There are seven categories included in this year's PAOE: Chapter Operations, Chapter Technology Transfer, Grassroots Government Advocacy, 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 Advocacy, 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 our Society. I look forward to working with you during the coming year to shape tomorrow and create a more sustainable world.



Shaping Tomorrow's  
Built Environment Today

## THE E.K. CAMPBELL AWARD

This annual award is given to a current ASHRAE member in good standing who is associated with an institution of learning and teaches courses or conducts research in heating, ventilating, air-conditioning or refrigeration at the graduate and/or undergraduate level in an engineering or engineering technology program accredited by the Accreditation Board for Engineering and Technology (ABET) or accredited engineering program in other countries that are signatories to the Washington Accord, The Sydney Accord and the Dublin Accord international agreements among bodies responsible for accrediting engineering programs.

The award, funded by contributions from individual members of the Life Members Club (LMC), consists of a plaque and an honorarium for \$10,000. The plaque is presented during the Plenary Session of the ASHRAE Winter Conference and the honorarium is presented at the LMC Luncheon on the following Tuesday when the recipient is requested to make a presentation. Attendance at both events is mandatory.

## NOMINATION PROCESS & DEADLINES

Nominations are made by the LMC Awards Subcommittee and approved by the Executive Committee of the Life Members Club and ultimately ASHRAE Board of Directions.

The time between first receipt by the LMC Awards Committee of a candidate's credentials and his or her possible nomination to the ASHRAE Honors & Awards Committee is typically two or more years.

The LMC Awards Committee will receive recommendations for nomination from individual ASHRAE members, including ASHRAE Chapter Student Activities Chairs where there are active ASHRAE Student Branches.

A recommendation letter indicating the achievements that make the nominee a particularly outstanding candidate should be submitted to the ASHRAE Staff LMC Liaison, Megan Hezlep, [mhezlep@ashrae.org](mailto:mhezlep@ashrae.org).

Along with a letter of recommendation, the following support documentation should also be included.

- Letters from Department Heads or Deans and associates or colleagues familiar with the candidate's achievements and teaching. Three or more such letters are preferred.
- A copy of the candidate's up-to-date ASHRAE Biographical Form (please contact your local ASHRAE Chapter or ASHRAE staff if you need help with this form). This is the official ASHRAE Bio form. Resumes/CVs are not accepted in lieu of the Bio form.
- A list of the candidate's publications. This may be part of the ASHRAE Bio or expanded into a separate attachment.
- Other materials, as desired, which reinforce the candidate's stature as an outstanding Candidate for the E.K. Campbell Award.
- Special consideration is given in regard to:
  - Years of ASHRAE Membership & involvement on Chapter and Regional Positions
  - Years of involvement with the ASHRAE Student Branch
  - ABET evaluator
  - Other education activities (Solar decathlon, etc.).
  - ASHRAE research activities (service on TC's, SPC's, SSPC's, TG's, RAC, TAC, etc.).
  - Other research activities (publications, patents, etc.).

### DEADLINE FOR SUBMISSION IS:

2016-17 Nominee: Mid-December. For the exact date, please contact the Staff Liaison below.

Questions? Please contact ASHRAE Staff LMC Liaison, Megan Hezlep, [mhezlep@ashrae.org](mailto:mhezlep@ashrae.org)



## ASHRAE CHAMPLAIN VALLEY CHAPTER PAST PRESIDENTS RECOGNITION PAGE

Order	Society Year Served	Name	Order	Society Year Served	Name
1	1969-70	William Lotz, PE	25	1993-94	Jon A. Soter, PE
2	1970-71	Robert Miller	26	1994-95	Leo Ioannou
3	1971-72	Richard Bowler Jr., PE	27	1995-96	Michael A. Gallo, PE
4	1972-73	Robert Coughlin	28	1996-97	Steve Poole
5	1973-74	Don Johnson	29	1997-98	Michael Rose
6	1974-75	Gordon W. Root, Sr., PE	30	1998-99	Leo Ioannou
7	1975-76	Jack Couture, PE	31	1999-2000	Ken Couture
8	1976-77	Giustino N. Mastro, PE	32	2000-01	Peter Tousley
9	1977-78	Neil Vallencourt, PE	33	2001-02	Russ Pratt, PE
10	1978-79	William Moore, PE	34	2002-03	Amy (Cota) Patenaude, PE
11	1979-80	Oscar Blatchly, PE	35	2003-04	David Anderson
12	1980-81	Stuart N. King	36	2004-05	Tom Zoller, PE
13	1981-82	Andrew Rudin, PE	37	2005-06	Bill Atkinson, PE
14	1982-83	Ted Meade, PE	38	2006-07	Jay Pilliod
15	1983-84	William A. Fyfe, PE	39	2007-08	Jerry Chabot, PE
16	1984-85	Edward Seraydarin	40	2008-09	Heather Condon
17	1985-86	Roger M. Kerr	41	2009-10	Peter F. Bailey
18	1986-87	Lois Root	42	2010-11	Shawn LaBelle, PE
19	1987-88	Mike Poirer	43	2011-12	Michael R. Cook
20	1988-89	Thomas Wolfstitch	44	2012-13	Thomas F. Dacres, Jr.
21	1989-90	Bernard J. Young	45	2013-14	Nathan Mascolino, PE
22	1990-91	Edward E. Pearson, PE	46	2014-15	Robert J. Favali
23	1991-92	Gordon W. Root, Jr., PE	47	2015-16	Rob Ward
24	1992-93	Richard J. Wilcox	48	2016-17	Blaine D. Conner



*Chapter Past Presidents with Tom Phoenix & Joe Furman*

**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 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	2016-2017
Membership Promotion	800	100
Student Activities	500	150
Technology Transfer	1050	50
Research & Promotion	1050	825
History	300	165
Grassroots Government Activities	650	50
Chapter Operations	1050	835
<b>Chapter TOTAL</b>	<b>5400</b>	<b>2175</b>

**GENERAL MEETING**

**2016-2017 BOARD OF GOVERNORS**

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Robert Ward III, LEED AP T: 802-861- 6194 robw@vhv.com	Robert J. Favali, LEED Green Associate - 802- 764-2704 rfavali@dubois-king.com

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<b>President-Elect</b>	Brent Weigel
<b>Vice President</b>	Nicholas Thiltgen, PE
<b>Secretary</b>	Charlie Carpenter, EIT
<b>Treasurer</b>	Jeremiah Trombly 802-862-6199   jtrombly@masvt.com

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<b>Membership</b>	Joshua Chiappone 518-817-8669   joshua.j.chiappone@jci.com
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<b>Grassroots Gov't Activities</b>	Richard Wilcox, LEED AP T: (802) 655-8805 x 181   dwilcox@vhv.com
<b>Honors and Awards</b>	Thomas Dacres, Jr., LEED AP BD+C T: (802) 861-6152   tomd@vhv.com

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

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