



THE CHAMP

monthly newsletter

of the Champlain Valley Chapter of ASHRAE

PRESIDENT'S MESSAGE



Our 2nd meeting of this ASHRAE year was a presentation from Tony Vale on current humidification & evaporative cooling solutions. I hope that he reinforced the time-tested design standards, but also opened you up

to the up-and-coming humidification & cooling solutions.

The Champlain Valley Chapter has two events for November:

November 2nd – Technical Session on Manual & Automatic Hydronic Balancing Valves; and
November 12th - Special YEA event - Tour of the Switchback Brewery with the Plant Engineer & Post-Tour Social in the taproom. Though this may be a Young Engineers in ASHRAE event, all ages are welcome!

As a reminder, we welcome and appreciate all comments and questions about our speakers – please make sure to fill out the survey that we send out after each meeting. It helps inform our speaker selections for next year & is a vital resource to the Champlain Valley's Board of Governors to make sure that we keep bringing you the technical sessions and tours that you want.

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

Upcoming Meetings:

December 7 - Dinner & Tech

January 11 - Joint AIA Webinar

February 7 - Tour

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ASHRAE CVC MEETING CALENDAR

MONTH	DAY	YEAR	LOCATION	EVENT
2016				
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
2017				
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

Except for the November 8th election, it has been a relatively quiet month in the GGAC department. I can only assume that the activity will pick up once Legislators are back in session early next year.

Renewable Energy Siting Rules

The Vermont State Department of Public Service released new rules in early November for municipal energy plans. The rules, implemented under Act 174, allow towns to have a say in how renewable energy projects are sited, but does not give municipalities the ability to reject solar and wind developments altogether.

The regulations require municipalities to participate in a local and regional planning process.

While the Public Service Board will consider municipal plans, the board has the ultimate say regarding where renewable energy projects are sited. All regional planning commissions are holding public meetings as they put together the regional energy plans that will form the basis for local energy plans.

The standards for municipal energy plans in accordance with Act 174 have been published online and can be found at the following website address: <http://publicservice.vermont.gov/content/act-174-recommendations-and-determination-standards>

Bennington County Regional Commission is in the process of rolling out an energy plan for their district. See the following website links for additional information:

<http://www.rpc.bennington.vt.us/>

<http://www.rpc.bennington.vt.us/documents/12-1-2016PlanandAct174OverviewMeetingAgenda.pdf>

VT Regional Greenhouse Gas Initiative

The Vermont Agency of Natural Resources and the Public Service Board will hold a meeting to brief stakeholders on the ongoing Regional Greenhouse Gas Initiative (RGGI) 2016 program review and to receive comment on Vermont-specific elements of the RGGI program. This meeting is scheduled for 11/29/16, and by the time of this publication, the meeting date will have already past. There still may be an opportunity to provide input toward the program. For more information, visit the following web site: <http://anr.vermont.gov/node/918>

Federal and International News Updates

(as reported by ASHRAE.org)

Follow the active links or refer to ASHRAE.org/GovernmentAffairsUpdates

Non-US Government Affairs Activities

- Nations Move Toward Implementation of Paris Climate Agreement at Marrakech Meeting

US Government Activities

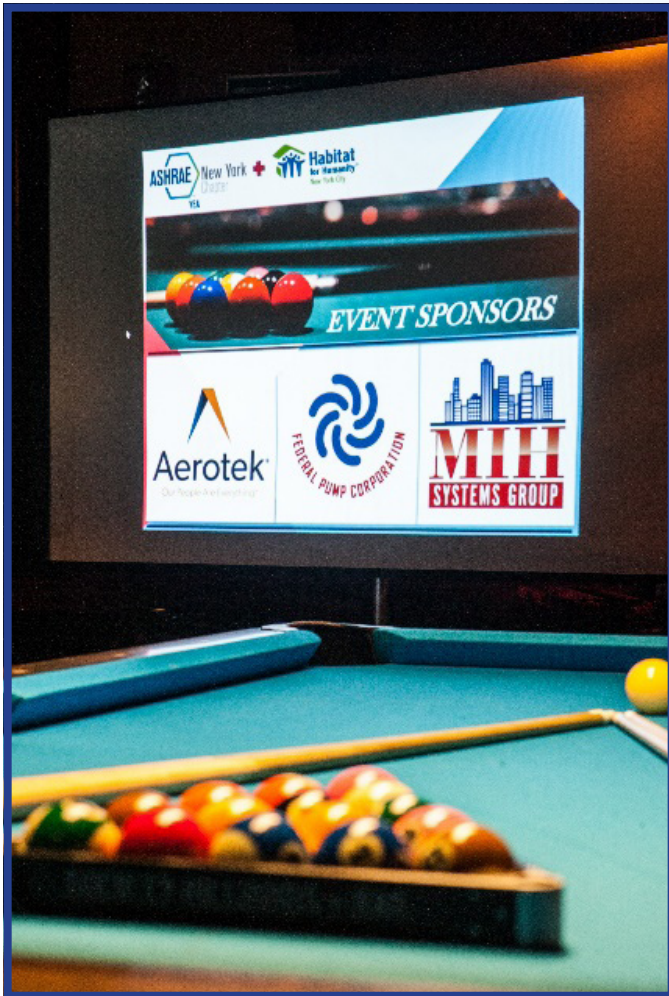
- EPA Issues Proposed Rule on Revisions to the Prevention of Significant Deterioration (PSD) and Title V Greenhouse Gas (GHG) Permitting Regulations and Establishment of a Significant Emissions Rate (SER) for GHG Emissions Under the PSD Program
- US Department of Energy Celebrates Weatherization Day and the 40th Anniversary of the Weatherization Assistance Program
- EPA Sends Final Model Training Rules on Clean Power Plan
- EWeek To Be Recognized February 19-25, 2017

- Dick Wilcox

ASHRAE CVC GGAC Chair

YEA EVENTS HAPPENING IN OUR REGION

So with the sponsorship of Aerotek, Federal Pump, and MIH Systems Group, the NY Chapter YEA kicked off the 2016-2017 event season with a joint billiard social with Habitat of Humanity New York City. Thirty-three attended the event at Society Billiard and was welcomed with food and refreshments.



Jean Son from Habitat gave a brief presentation of what Habitat of Humanity exemplifies, and how the attendees can assist with the upcoming build dates. The presentation was answered with a number of interested volunteers. Overall, it was a well-received event, and the YEA committee is

working hard to organize many events to come. Please keep an eye on our chapter event page for all our events.



BLAKE

EQUIPMENT

Solutions for Peak Performance

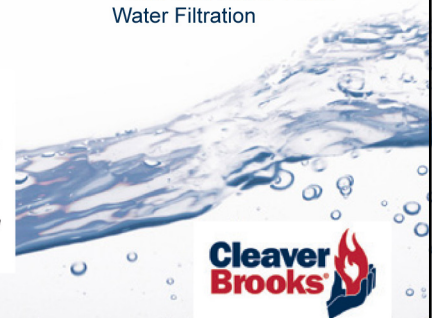
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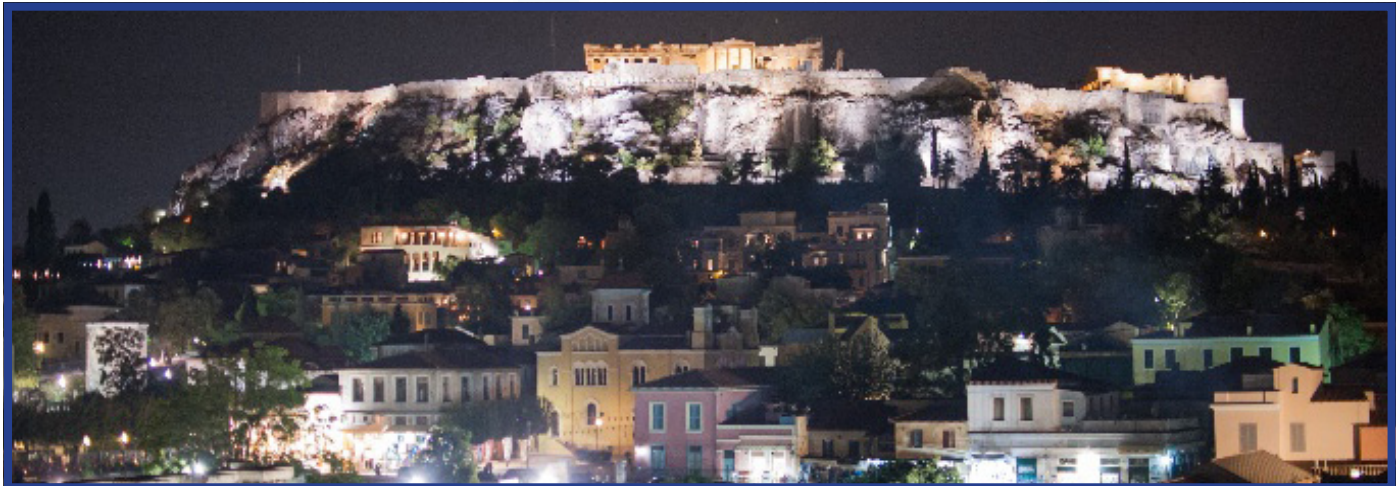
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Cleaver Brooks

2016 YEA LEADERSHIP INTERNATIONAL PROGRAM

Recently, I was honored with the opportunity to attend the 2016 YEA Leadership International program in Athens, Greece. This program was designed to help its attendees develop their soft skills while networking with other young professionals. It was a pleasure meeting YEA members from all around the world and to share our design practices. The leadership philosophies offered by Tricia Evans, the event coach, inspired many of us to share the program's questionnaires and discussion points with my team in the company. The program's exercises and questionnaires remarkably depicted my role in my company and showed me which responsibilities I must relieve in order to advance in my career. The YRC Committee for the event was also wonderful in organizing the night events, authentic Greek cuisine, local street food and city tours. I would highly recommend this leadership program to all YEA members; it is an eye-opening experience.



Date: 10/5/2016
Location: Holliday Inn, South Burlington, VT
Called to Order: 4:03 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	x
Rob Ward	BOG Member	VHV Company	x
Mike Cook	BOG Member	ARC Mechanical	x
Shawn Labelle	BOG Member	VHV Company	x
Dick Wilcox	BOG Member	VHV Company	x
Rob Favali	BOG Member	Dubois & King	
Tom Zoller	BOG Member	Trane Inc.	x

OFFICER'S REPORT

1. **Approve Minutes**
 - a. Nathan M moves to approve last meeting (August) minutes. Motion passes.
2. **Treasurer's Report – Jeremiah**
 - a. Current Status – \$15,570.80 accounts reconciled
 - i. Not including \$500 from CTI (golf event) and September chapter income.
 - b. Blaine to distribute Budget for review and approval via Email
3. **Audit Update – Tom**
 - a. Tom Z., Jeremiah T., and Peter B. audited the financial records and there were no issues found.
 - i. Report submitted to the RVC as required
 - b. Tax exempt form needs to be sent into IRS in November
4. **Membership Promotion**
 - a. Awards to be handed out at tonight's meeting for \$100+ contributors last year.
 - b. RP night set for the November Chapter meeting. ASHRAE has template presentations to use.
5. **Updates from Committee Chairs**

- a. **Technical Glitches [Blaine]:** Chairs have had trouble logging into ASHRAE account; the problem should be resolved so Chairs should attempt to log on. Blaine updated each chairs PAOE list to reflect current points.
 - b. **GGAC [Dick]:** Article will be completed for the newsletter. Dick noted that the MoE effort has reach New Jersey; ASHRAE has sent a lobbyist.
 - c. **History [Mike]:** VHV has a large stockpile of old CVC ASHRAE files, photos and chapter information. There is a need to sort through the documents and see what should be electronically scanned for archive.
 - i. Saturday February 18th set for CVC members to sort at VHV.
 - ii. Find out what the costs will be to scan large amount of material.
6. **Awards Committee**
- a. Tom D. has graciously accepted the role of this committee chair.
7. **New Business**
- a. **New banner stand:** If Rob W. cannot get a donated banner stand we will need to approve money to purchase a new one.
 - b. **Meeting Schedule:** Brent has published schedule on Google Sheet.
 - i. Switchback Tour set as a secondary November meeting on a Saturday. Joint meeting with VTC student chapter; interest in making this a YEA event. Offer for free to participants and pay for own food/drink.
 - ii. Breadloaf Corporation has a couple ideas for tours:
 - 1. Otter Creek Brewery expansion as Bill Atkinson designed the steam system.
 - 2. The Middlebury Town Office is Net Zero Ready and could be tied into brewery or a stand-alone tour option.
 - iii. Nathan suggested touring the new VPR building and having our monthly meeting offsite in their large conference room. Building is Net Zero.
 - iv. Open months are currently December and June.
 - v. Hesitation to have Tailgate Vendor Show again as traffic was low last time. Lots of preparation required. Suggested to have only every 4-5 years.
 - c. **Young Engineer Applications:** Our chapter should nominate a member. Must be 35 years old and hold a PE license; active in community and volunteer a plus.

MOTION TO ADJORN

- a. A motion was made by Rob Ward to adjourn the meeting. It was seconded by Nathan M. and the motion was carried. The meeting adjourned at 4:46 pm
- b. Next meeting will be before Nov 2nd Chapter meeting at the Holiday Inn.

cc

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



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.

SESSIONS ON LOW GWP REFRIGERANTS FEATURED AT ASHRAE CONFERENCE

ATLANTA – In light of recent action by 197 countries agreeing to amend the Montreal Protocol to phase down the production and consumption of hydrofluorocarbons (HFCs) globally, industry experts will share guidance on how to incorporate low global warming potential refrigerants at the ASHRAE 2017 Winter Conference.

“Providing technical expertise for ASHRAE’s members and their clients continues to be the core of the Conference Technical Program,” Leon Shapiro, Conference chair, said. “Climate change will compel ASHRAE members to rethink HVAC&R for the future. In addition to sessions on low GWP refrigerants, the Technical Program will also focus on the water-energy nexus and designing for maximum efficiency, energy efficiency and IAQ in industrial spaces, and achieving projected results after all the modeling is completed. The rich experience from the Technical Program will leave the attendees better prepared to deal with these issues as they advance their professional careers.”

The 2017 ASHRAE Winter Conference takes place Jan. 28-Feb. 1 at Caesars Palace with the co-sponsored AHR 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.

The Technical Program features eight tracks, 86 papers, 28 technical papers presented via poster session, 248 presentations and 331 speakers. The tracks are Water-Energy Nexus, Advances in Mission Critical Design and Operation, Climate

Change and Its Effects on HVAC&R Design and Technologies, Energy Efficient Industrial Buildings, Fundamentals and Applications, HVAC&R Systems and Equipment, Commercial and Industrial IAQ, and Building Operation and Performance: Meeting the Modeling Expectations.

Among the sessions is a two-part seminar, “Low-GWP Alternative Refrigerants and Their Applications.” The seminars feature six papers included in the November 2016 issue of ASHRAE’s Science and Technology for the Built Environment, focusing on thermophysical properties, modeling, heat transfer performance, lubricant/refrigerant miscibility and system applications of low-GWP halocarbon refrigerants containing unsaturated carbon bonds.

“As regulations and legislation become increasingly more widespread and restrictive, the HVAC&R industry will need to identify viable alternatives for existing refrigerant solutions,” J. Steven Brown, seminar chair, said. “This environmentally-driven change is different than those in the past since additional constraints are being placed on refrigerants in essence reducing the number of viable single-component solutions.”

Sessions pertaining to refrigerants in the Technical Program are:

- Seminar 64: Research Update on Activities Toward the Safe Use of Low GWP Flammable Refrigerants
- Seminars 40/56: Low-GWP Alternative Refrigerants and Their Applications:
 - Parts 1 and 2
- Workshop 2: Optimization of Direct AC Systems with Low GWP Refrigerants
- Seminar 6: Recent Action in Evaporative Cooling
- Conference Paper Session 22: Refrigeration Systems and Low GWP Refrigerants

ASHRAE 90.1 NEWS



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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.

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.

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

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 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
Chapter TOTAL	5400	2175

GENERAL MEETING

2016-2017 BOARD OF GOVERNORS

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