



THE CHAMP

monthly newsletter

of the Champlain Valley Chapter of ASHRAE

PRESIDENT'S MESSAGE



Our first meeting in 2017 for ASHRAE-Champlain Valley Chapter was one for the record book! We had over 37 individuals join us for a tour of UVM's STEM building,

which was still under construction. I can only hope that we continue to have that level of participation for all our technical sessions and tours throughout the rest of the year – we will work hard to provide you all with interesting and relevant discussion topics & tours.

We look forward to seeing you at next months' meeting, which will be at the Holiday Inn in South Burlington. Our November Meeting is also Resource Promotion Night, where we will dedicate some time at the beginning of the meeting to share with you where your membership dollars go to (spoiler alert: it goes to serve all of us in the HVAC&R industries).

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:

November 2 - Dinner & Tech

December 7 - Dinner & Tech

January 11 - Joint AIA Webinar

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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

OCTOBER 2016

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GRASSROOTS GOVERNMENT AFFAIRS COMMITTEE

N.J. Masters or Equivalent

Last month we made a brief report on the Master or Equivalent (MOE) and how it is alive and well in New Jersey. Our Committee recently reached out to the Jeff Breeden, the New Jersey Chapter GGAC chair, via conference call to offer our assistance as well as discuss our experiences with MOE in our area. Jeff was just digging into it on his end and he was glad to get our input. The MOE may be taking a similar path as what we experienced, but the big difference between our Chapters is that the NJ American Society of Civil Engineers (ASCE) has a lobbyist on board. Jeff was in the process of researching details on who is acting as the lobbyist. We will continue communicating with Jeff and offer our assistance toward his goals.

Public Service Board - Revised Net-Metering Program

Please note that the Public Service Board (PSB) announced on 10/19/16 that they will continue taking comments until Dec. 2 on a new set of rules governing solar development. Those rules, first released to the public in August, could curtail some types of solar development larger than 500 kilowatts, and it could diminish the profits developers realize on smaller projects.

The following is the link to the PSB proposed rules:

<http://psb.vermont.gov/sites/psb/files/orders/2016/Aug/Order%20on%20Reconsideration%208-29-16.pdf>

Vermont Green Line Project

This is a project that our members may be unaware of, and it appears to be gaining some traction. The Vermont Green Line is a proposed electric transmission line running from Beekmantown,

New York to New Haven, Vermont that positions the Green Mountain State, as well as the rest of New England, to secure affordable renewable power, and move substantially down the path to a carbon-free future. The majority of the cable (32.5 miles) would run under Lake Champlain.

The Vermont Green Line is a 400 megawatt high voltage direct current (HVDC) electric transmission project proposed by the Green Line Infrastructure Alliance and designed to unlock and deliver clean, reliable and affordable power to New England by harnessing new wind supply in New York, firmed up by hydropower.

Currently New Haven has given the nod for the project, but it has a long way to go in the permitting process.

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

- US-China Announcement on Climate Change Mitigation
- Paris Climate Agreement Passes Key Milestone on the Road to Implementation
- New Developments on HFC Amendment to the Montreal Protocol

US Federal Legislative & Regulatory Activities

- President Obama Issues Memorandum Directing Federal Agencies to Take Into Consideration Climate Change and National Security Concerns
- ASHRAE Seeks Applicants for Engineering & Public Policy Internship

– 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)

TREASURES REPORT

As of October 25, 2016 our TD Bank account is \$16,934.40 and our bills are paid up to date with our ASHRAE CVC account reconciled.

By the end of November – I will be sending out our 2015-2016 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.

- *Jeremiah Trombly*
ASHRAE CVC Treasurer 2016-17

RESOURCE PROMOTION

Thank you to all the donors that donated to the RP campaign last year. We ended up raising \$6,225 for RP last year, and that was 118% of the goal given to us by the regional RP chair.

We are off to a great start this year with donations already at \$811. We have a long way to go to reach our new goal of \$5,550, and we need your help. Special thanks to the following donors that have already contributed at the \$100 Honor Roll Level.

Nick Thiltgen	New England Air Systems
Tom Zoller	Rob Ward
Rob Favali	GE Foundation

You can donate online at www.ashraerp.com. Click on the upper right “donate” icon and you will be taken to the donation page. All donations are 100% tax deductible and 100% of the donation goes to research.

As always, if you have any questions about ASHRAE Resource Promotion, contact me at tzoller@trane.com, or 383-6444

- *Tom Zoller*
ASHRAE CVC Resource Promotion Chair 2016-17



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 of \$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.

ASHRAE COMMENDS MONTREAL PROTOCOL AMENDMENT TO PHASE DOWN HFCS

ATLANTA – ASHRAE commends the governments involved in the adoption of the HFC amendment to the Montreal Protocol, which will result in a global phase down of production and consumption of hydrofluorocarbons (HFCs). The agreement was signed earlier this week.

The move comes as ASHRAE and leading U.S. government agencies, built environment associations and companies launch a multi-million dollar research program that will establish a more robust fact base about the properties and the use of flammable refrigerants.

The research is part of a \$5.8 million program funded by ASHRAE, the Air-Conditioning, Heating, and Refrigeration Institute (AHRI), the U.S. Department of Energy (DOE), the Association of Home Appliance Manufacturers (AHAM), the California Air Resources Board (CARB), and Johnson Controls. This program is part of an ongoing global effort to phase down the use of high global warming potential (GWP) refrigerants and identify appropriate climate-friendly alternatives.

“Flammable refrigerants hold great promise for reducing the use of HFCs in refrigerants and thereby lowering the environmental impact of air-conditioning and refrigeration systems,” ASHRAE President Tim Wentz, said. “ASHRAE applauds the Kigali Amendment and is pleased to be a partner in cutting edge research effort to better understand how to safely deploy flammable refrigerants.”

The agreement calls for reduction of HFCs equivalent to 80b metric tons of carbon dioxide through 2047 and will thereby avoid almost a half degree C of global warming. Several ASHRAE members were among those attending the Protocol

meetings. Among them were ASHRAE Presidential Member Jim Wolf and ASHRAE Director-at-Large Bill McQuade.

“The update of product safety standards and building codes to include A2L refrigerants is essential to the success of this agreement,” McQuade said. “The interest in our A2L research program by the parties was very high. In fact, several indicated to me interest in becoming a partner and funding additional research in the future.”

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.


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ASHRAE 90.1 NEWS



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

A handwritten signature in blue ink that reads "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

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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

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	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

2016-2017 BOARD OF GOVERNORS

Richard Wilcox, LEED AP T: (802) 655-8805 x 181 dwilcox@vhv.com	Shawn LaBelle T: 802-857-5011shawn. ShawnL@amivt.com
Nathan Mascolino T: 802-861-6148 nathanm@vhv.com	Mike Cook T: 802-291-0911 mcook@arcmech.com
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

2016-2017 CHAPTER OFFICERS

President	Blaine Connor 802-264-1134 blaine.conner@vtmechanical.com
President-Elect	Brent Weigel
Vice President	Nicholas Thiltgen, PE
Secretary	Charlie Carpenter, EIT
Treasurer	Jeremiah Trombly 802-862-6199 jtrombly@masvt.com

COMMITTEE CHAIRPERSONS

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Membership	Joshua Chiappone 518-817-8669 joshua.j.chiappone@jci.com
Resource Promotion	Tom Zoller 802- 861-6194 robw@vhv.com
Technology Transfer	Blaine Connor 802-264-1134 blaine.conner@vtmechanical.com
Refrigeration	Peter Bailey 802-434-2278 pfbaily@deicontrols.com
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Electronic Communications	Rachael Mascolino 802-540-7846 rmascolino@veic.org
Grassroots Gov't Activities	Richard Wilcox, LEED AP T: (802) 655-8805 x 181 dwilcox@vhv.com
Honors and Awards	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

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