



the **Champ**

Monthly **Newsletter** of the **CHAMPLAIN VALLEY CHAPTER OF ASHRAE**

Serving Vermont Since 1969

President's Message



We had another great turnout at November's joint meeting with Vermont Green Building Network (VGBN). We had 52 members attend the meeting. I want to take the time to thank Steve Poole and Jesse Robbins for setting up the meeting along with presenting the first presentation. The interactive webinar with speaker Arnold Kee of USGBC worked out great. Arnold Kee did a great job and I

hope all you were able to walk away from this meeting with some useful information. Thanks Arnold.

I want to thank everyone who filled out a meeting topic survey during November's meeting. We received many great meeting ideas along with helpful comments. For those that were not able to attend November's meeting and have some meeting/tour ideas please let me know. We will do our best to incorporate these ideas into our future meetings. This will give us a great foundation for setting up next's years meeting schedule.

We have made full circle on the chapter and region level. What this means to accomplish full circle within a chapter or at a regional level is all the officers have to donate \$100.00 to ASHRAE Research Promotion. This shows our members that not only do we "talk the talk" but also "walk the walk". I would like to thank our chapter officers and all who have donated to ASHRAE Research Promotion. For those of you who would like to donate please contact our chapters Research Promotion Chair, Sandy Laflamme.

I hope to see all of you at December's meeting on Wednesday December 8th. Please advise this date has been changed from December 1st to December 8th. Nick Laskovski of Alt-eris will be presenting on small community and individual fa-

cility scale wind turbine systems for our technical session and Bill Maclay of Maclay Architects will be discussing the use of net zero energy strategies as applied to existing buildings for our main presentation. I look forward to seeing everyone there.

Lastly, this is beginning of the busy time of the year where the holidays are quickly approaching and snow is soon to come. I wish everyone safe travels and happy holidays.

Sincerely,

Shawn LaBelle, Chapter President

December 8th
Hampton Inn near Costco
BOG Meeting 4:30 PM
Technical Session 6 PM
Dinner 7 PM
Main Presentation 8 PM
\$30 for CVC Members
\$35 for non members

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2010-2011 ASHRAE CVC MEETING CALENDAR

November 2010
Vol. 25 No. 4

September 1 st	October 6 th	November 3 rd	December 8 th	January 5 th
<p>The Essex BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm HVAC Seismic Re- straints Part 1 - Codes and Standards Part 2 - Applications Steve Fey - Mason Industries</p>	<p>The Essex BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm Tech Session - Chilled Beams / Krueger Main Presentation - Vermont Commercial Building Energy Code Tim Guitermen - Nugent Consulting</p>	<p>The Essex BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm Membership Promotion and Joint Meeting with Vermont Green Building Network (VGBN) USGBC - Lisa Whit- ed - LEED Accredita- tion, Training and Main- tenance</p>	<p>Hampton Inn BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm</p>	<p>The Essex BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm Joint Meeting with RSES Refrigeration Devices - In Progress</p>
February 9 th	March 2 nd	April 6 th	May 4 th	June 1 st
<p>The Essex BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm Membership Promotion and YEA Night Distinguished Lecturer In Progress</p>	<p>BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm Facility Tour Location TBD</p>	<p>BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm Meeting Sponsored by Vermont Technical Col- lege (VTC) Student Chapter Program TBD</p>	<p>The Essex BOG Meeting - 4:30 pm Presentation- 6:00 pm Dinner - 7:00 pm STD 189.1 Speaker TBD</p>	<p>End of Year Special Location and Topic TBD</p>





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Technology Transfer

December 8th **Hampton Inn near Costco**

Technical Session 6 PM: Nick Laskovski of Alteris will be presenting on the design, installation, and operation of small community and individual facility scale wind turbine systems.

Main Presentation 8 PM: Bill Maclay of Maclay Architects of Waitsfield, Vermont will be discussing the use of net zero energy strategies as applied to existing buildings.

Speakers' bio:

Nicholas Laskovski comes to Alteris with a background in university level research in sustainability design and implementation. He has a background in GIS applications and has been working with Alteris to create and develop the wind monitoring program which evaluates all sites on a wind resource, environmental, and site work basis. Nick has proven himself as a team leader, working with youth in the outdoors, teaching University level classes, and supporting the local community as an active member. Nick is the co-founder of Dana Forest Farm in Waitsfield, VT which hosts workshops on bioregional living and food production. Nick graduated from Cornell University with a B.S. in Natural Resources, specializing in sustainability and gourmet mushroom production.

Professional Designations, Awards and Accomplishments:

- Sustainable Energy Fellowship, Arizona State University Global Institute of Sustainability, 2007
- eam SeaGrass, Singapore – volunteer 2008
- Cornell University Mushroom Collectors, Cultivators, Connoisseurs – Founder/President
- Renewable Energy Workshop – Dominica, Lesser Anilles – 2006
- W.I.L.D Wilderness Instructor leadership Development – UVM 2004
- Rotary International – Member, Exchange Student 2003

William Maclay, AIA, LEED AP, founding principal of Maclay Architects of Waitsfield (VT), has been recognized as a leader in innovative, healthy, and ecological architectural design for more than thirty-five years. Maclay Architects specializes in ecological planning and architecture, healthy building design, micro-load and net-zero building design. Through its team of LEED-accredited professionals, the firm offers a full range of architectural services for all phases of residential, commercial and institutional projects. Recent projects include NRG Systems (over 75,000 square feet of office and manufacturing facilities) and cor-

porate headquarters for Seventh Generation, both LEED Gold projects as well as a 16,000 square foot net-zero field house for the Putney School that is anticipated to achieve a LEED Platinum rating. With the addition of a 17.5 kW PV system the Maclay Architects office is the first architectural office in Vermont to be net-zero. The firm's work has been recognized in numerous exhibits, books, and publications. Bill has served on the Board at Yestermorrow Design Build School and Vermont Businesses for Social Responsibility, and is also a past president of the Vermont Chapter of the American Institute of Architects. For more information, visit www.maclayarchitects.com

I would like to take this opportunity to thank all the ASHRAE and VGBN members who attended last month's meeting, we had an excellent turnout. I extend the Board of Governor's appreciation to attendee's who took the time to fill out our meeting topic survey. We received many suggestions for topics and potential facility tours that will be useful in our future planning activities. Thank you very much for helping to support the board.

December's program will feature presentations on an alternative energy topic and net zero buildings. The technical session will be presented by Nick Laskovski of Alteris who will be presenting on the design, installation and operation of small community and individual facility scale wind turbine systems. He will share case studies of local Alteris projects. Bill Maclay of Maclay Architects of Waitsfield, Vermont will be discussing the use of net zero energy strategies as applied to existing buildings. He will share his experiences and the challenges involved as well as what the future prospects may hold for net zero energy designs.

I am looking for one or two members to join myself and Wayne Vanasse to create a CTTC committee for our local chapter. The main task of this committee would involve brain storming potential program topics and identifying speakers or ways to get feedback from our members on topics of interest for our members. This is an opportunity for some of our new and younger members to become more involved in the operation of our local chapter with minimal time commitment. We would work out the best method for conducting committee meetings once our group has been established. Please send me an email or give me a call if you have interest in helping out with Chapter programs this year.

Another beneficial thing for members to be aware of if you have any documented personal contact with government officials at any level or with other business or professional



groups which promote ASHRAE related subjects or chapter goals and objectives, please feel free to send me the details and I will provide recognition in our newsletter and our chapter gains Presidential Award of Excellence (PAOE) points as well for such activity by our members. The same recognition and chapter benefits apply to any member who earns or renews an ASHRAE certification.

Nov. BOG Meeting Minutes

Date: 11/5/10
 Location: Trader Dukes
 Time Called to Order: 12:11 pm
 Called to Order By: Shawn, President
 Minutes Recorded By: Tom Dacres, (Written up by Nathan Mascolino, Secretary)
 Attendants:
 Shawn LaBelle Vermont Mechanical Inc
 Mike Cook ARC Mechanical
 Dick Wilcox VHV
 Tom Dacres VHV
 Scott Alexander LN Consulting
 Peter Bailey Dodge Engineering
 Gretchen Langfeldt Switchback brewery

Last Meeting Minutes

Motion to approve Oct, 2010 meeting minutes was put forth by Mike C and seconded by Peter B, motion passed.

OFFICERS REPORT:

President Report/Chapter Operations: Shawn Labelle

Shawn confirmed that everyone who needed to sent in their MBO reports has done so.

Shawn would like if everyone sent their updated PAOE points to him.

The topic of a chapter projector was discussed. Peter B made a motion to purchase a projector for chapter use not to exceed \$1000.- Tom D seconded the motion, motion passed. Dick W will continue his research and selected an appropriate make model.

Shawn reported that Tom Z expects to have all money for the golf outing no later than the middle of Nov.

Shawn reported that we have met full circle this year.

The topic of new banner support stands was discussed. Gretchen made a motion to buy two new supports not to exceed \$200.- Dick W seconded the motion. Motion passed. Nathan M will research and purchase new banner supports.

President Elect/Student Activities Chair Report: Mike

Cook

Mike reported that the December meeting will be held on the 8th. Not on the 1st. An email will be sent out to the chapter.

CVC will cover the expense of the hotel and transportation for the speaker for the February meeting.

Vice President/Membership Chair Report: Tom Dacres

The topic of sending Arnold from the USGBC a thank you gift was discussed. Dick W motioned to send Arnold 1 gallon of maple syrup. Peter B seconded. Motion passed. Tom will coordinate.

The topic of providing free meeting meals for unemployed members was discussed and tabled until the next meeting.

Treasurer Report: Ken Secor

Not in attendance.

Secretary Report: Nathan Mascolino

Not in attendance. Tom D took meeting notes, Nathan prepared the minutes.

Resource Promotion: Heather Condon

Not in Attendance

History: Gretchen Langfeldt

Nothing to report

Reception: Ray Hickey

Ray had nothing to report.

Refrigeration: Peter Bailey

Peter reported that the refrigeration class had 51 attendents and \$1000.- was raised.

New Business

The topic of a spring seminar was discussed and tabled until the next meeting.

Meeting adjourned Motion to adjourn made by Tom D, seconded by Scott A.

Meeting adjourned @ 1:25 PM

Meeting adjourned @ 5:53 PM

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

General Meeting Minutes

Date: 11/03/10
 Location: The Essex
 Minutes Recorded by: Nathan Mascolino, Secretary
 Attendance: 49

James Ashley	Green Mountain Geothermal
Pete Bailey	Dodge Engineering
Phil Bresnahan	Vermont Mechanical Inc.
Joshua Chiappone	Johnson Controls
Mike Cook	ARC Mechanical
Tom Dacres	Vermont Heating & Ventilating
Paul Duane	Efficiency Vermont

Keith Downes	Efficiency Vermont
Rob Favali	Dubois & King
Bob Gatchell	Johnson Controls
Bill Gregory	L.J. Early Company
Corey Griffiths	Vermont Mechanical Inc.
Ray Hickey	Advanced Comfort Systems
Jason Hudspath	Thermal Environmental Sales
Walt Joncas	ECT HY-SAVE
Joe Kazukenus	Thermal Environmental Sales
Steve Kreigh	Mylan Technologies
Shawn LaBelle	Vermont Mechanical
Jim LaVallee	Vermont Mechanical
Doug Maddox	Maddox Energy Consulting
Jim Moore	New England Air Systems
Steve Poole	Vermont Heating & Ventilating
Jay Pilliod	Efficiency Vermont
Mary Jane Poytner	Efficiency Vermont
Dan Reilly	Gourley Company
Chuck Rainville	Hallam
Ken Secor	KPS Consulting
Martha Soule	Vermont Heating & Ventilation
Mike Spasyk	Dubois & King
Nick Thiltgen	Efficiency Vermont
Glenn Thomas	Thomas Engineering
Harris Unger	Advanced Comfort Systems
Rob Ward	Vermont Heating & Ventilation
Dick Wilcox	Vermont Heating & Ventilating
Tom Zoller	Trane
Barbara	VTC Faculty
Erin Fajans	Student
Justin Houghten	Student
Iris Davis	Student
Guen St. Sauveur	VTC
Greg Dodge	DCI Controls
Mike Angluin	DCI Controls
Arnold Kee	GBCI/USGBC
Debra Baslow	VT Dept of Bldgs & General Services
Owen Milne	VBSR
Liza Kilcoyne	GK Architects
Tim Shea	National Life
Kelley DesRoches	GK Architects
Ben Griffin	Greener Living Vermont
Jesse Robbins	VGBN President

General meeting – Refrigeration Night

November’s meeting was held at the Essex.
 Tech session: The tech session was given by Jesse Robbins the president of Vermont Green Building Network. The topic covered was an overview of the VGBN
 Main Presentation: A webinar was set up and Arnold Kee, a representative from the USGBC (United States Green Building Council) talked about LEED AP status and continuing education requirements to stay active.
 The Essex served an excellent dinner as always

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

Resource Promotion

We’d like to thank a new major donor, Hill Phoenix, Inc. for their generous contribution this month of \$1,250. They are our Chapter’s first Silver Donor of 2011 and will be receiving an ASHRAE Commemorative Coin and Plaque. Their refrigeration seminar was very popular and their large investment in ASHRAE Research gives a great boost to our fund-raising efforts. Thank you Henry Pellerin and Hill Phoenix! Thank you Peter Bailey for organizing such a great seminar!

As of the beginning of November, we have reached about 42% of our goal. It has been wonderful to see the donations coming in. We achieved Full Circle and our PAOE points are adding up quickly as well. The RP Committee welcomes Tom Zoller, PE, who joined our group recently. Thank you Tom for volunteering!

A sincere thank you goes out to the following individuals and organizations for generously helping us kick off our 2011 RP Campaign:

M. Scott Alexander, ARC Mechanical Contractors, Inc., Peter F. Bailey, Michael R. Cook, Thomas F. Dacres, Jr., Brian J. Frary, Hill Phoenix, Inc., Graham C. Hunter, II, AIA, Shawn LaBelle, Sandra L. LaFlamme, Gretchen Langfeldt, Nathan D. Mascolino, Ken Secor, Michael A. Spasyk, PE, Wayne J. Vanasse, and Thomas W. Zoller, PE.

All donations to ASHRAE RP are 100% tax deductible. Please consider including ASHRAE RP in your year end tax preparations. To make a donation, you can either go on-line to https://www.ashrae.org/aboutus/resource_promotion.asp or mail your check, payable to ASHRAE Research Promotion, either to ASHRAE Research Promotion, 1791 Tullie Circle, Atlanta, GA 30329 or to Sandra LaFlamme, Efficiency Vermont, 255 South Champlain Street, Burlington, VT 05401.

Student Activities Report

VTC Chapter

Committee Chair: Shawn LaBelle

Student Chapter Advisor: Chris Reilly

It looks like the VTC Student ASHRAE Chapter is off to a great start this year. The student chapter currently has a total of 20 active students, 14 who are ASHRAE Student Members along with 6 Non-ASHRAE Student Members. This year's student chapter officers are the following:

Stephen Smith Co-President

Dan Aubin Co-President

Erin Fajans Vice President

Justin Houghten Treasurer

Gwendolyn St. Sauveur Co-Secretary

Kristen Gulrajani Co-Secretary

The student chapter will be participating in the American Red Cross Blood Drive at VTC on December 2nd from 12:30-6pm. For all those who like to participate in the blood drive more information is located on their website at:

<http://www.redcrossblood.org/make-donation-other?city=randonolph&state=VT&date%5Bmin%5D%5Bdate%5D=&date%5Bmax%5D%5Bdate%5D=>

We will be fortunate enough to have 6 students attending the 2011 ASHRAE Winter Conference in Las Vegas, Nevada this coming year.

I will be setting up a Resume Workshop for the students of the ASHRAE Chapter around the first part of the year. This will most likely be in the evening. I would appreciate it if anyone would be willing to help participate. I will have more information available soon so please contact me if you are interested. Along with that if your employer or if you know if any companies that are offering full time positions starting the summer of 2011 along with any summer internships please contact me with the information so I can forward it to the students at VTC.

Thanks!
Shawn LaBelle

VTC ASHRAE Student Chapter 2010-2011



Treasurer's Report

As of today, November 24th 2010, all bills are paid and our TD Bank checking account balance is \$21,9090.66 - up from two months ago by \$4,241.75

Our search for a closer and less expensive monthly meeting place is over. We've chosen the Hampton Inn, at I-89 exit 16 by Costco for December's meeting.

How good the food is and everyone's opinion about what makes meeting places better than others, will be one of the many topics d' jour.

Your feedback would be appreciated!

Ken Secor, Treasurer

Doug Wilcox	New England Service Group
Todd Tousley	New England Service Group
Mark Lee	New England Service Group
Tom Gynan	New England Service Group
Doug Maddox	Maddix Energy
Mark Follert	Controls Technologies
Dan Bedard	Controls Technologies
Dan Duncan	Controls Technologies
Keith Downes	Efficiency Vermont
Maribella Ibarra	Efficiency Vermont
Sheryl Graves	Efficiency Vermont
Rick Thibodeau	Efficiency Vermont
Ray Hickey	Advanced Comfort Systems
Sandy LaFlamme	Efficiency Vermony
Amy Patenaude	Efficiency Vermont
Steve O'Malley	Efficiency Vermont
Mike Leonard	Efficiency Vermont
Susan Thompson	Efficiency Vermont
Sam Huntington	Optimal Energy, Inc.
Ron Lafontain	Burlington Electric
Clark Sweeney	Sweeney Refrigeration Service

All who attended will receive certificates for the seminar and books within the next few weeks. We apologize in the delay of these getting out to everyone.

Again I always like to point out as our chapters refrigeration chair the "R" in ASHRAE and it should always be remembered in working closely with our future goals of educating people in the engineering industry.

Henry Pellerin from HillPhoenix contacted me after the seminar and said that instead of our Chapter paying for the books they would donate the money to our chapter's research promotion.

Our ASHRAE Champlain Valley Chapter is very thankful for their wonderful donation of the \$1,250.00. A Big thanks for their help.

Peter F. Bailey
Champlain Valley Chapter, Refrigeration Chair

ASHRAE Refrigeration

Our 2010 Refrigeration Rack Day Seminar was a great success this year with a total of 51 people in attendance. Rusty Walker from HillPhoenix did a great job engaging everyone in various discussions in teaching the basics of refrigeration racks and where we can see the market place going in the future.

Thanks to the many people who attended our Seminar.

Jason Luman	Alliance Mechanical
Todd Brunelle	Alliance Mechanical
Jon Thibault	UVM
Greg Dodge	Dodge Engineering
Pete Bailey	Dodge Engineering
Mike Angluin	Dodge Engineering
Walter Joncas	ECT HySave Inc.
Rene Viau	Vermont Heating & Ventilating
Eddie Sawyer	Vermont Heating & Ventilating
Elliot Prevost	Vermont Heating & Ventilating
Alan Blow	Vermont Heating & Ventilating
Scott Boudreau	Vermont Heating & Ventilating
Bill Kirk	Vermont Heating & Ventilating
Dave Johnson	Vermont Heating & Ventilating
Allen Myers	Vermont Heating & Ventilating
David Robistow	Vermont Heating & Ventilating
Tim Blake	Vermont Mechanical
Jack Blackstone	Vermont Mechanical
Bruce Kilbury	Climate Systems Inc.
Eric Christopher	Climate Systems Inc.
Keith Bushy	Climate Systems Inc.
Ron Morin	Climate Systems Inc.
Steve Young	Climate Systems Inc.
Travis Chamberlain	ARC Mechanical
Adam Cate	ARC Mechanical
Rich Cuton	ARC Mechanical
Jason Joseph	ARC Mechanical
Jody Perkins	ARC Mechanical
Djorn Crown	New England Service Group
Eric Isham	New England Service Group



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 heating, 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	(2010-11)
Membership Promotion	800	
Student Activities	500	95
Technology Transfer	850	
Research & Promotion	1050	715
History	200	
Chapter Operations	500	195
Chapter TOTAL	3900	1005

2009-2010 BOARD OF GOVERNORS

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Gretchen Langfeldt T: (802) 651-4114	Dick Wilcox T: (802) 655-8805
Sandy LaFlamme T: (888) 921-5990 x. 1097	

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