



Upcoming Events

- **June 8th -**
Golf Outing

Inside this issue:

President's Message	2
Historical Notes	2
Programs Report	2
Research Promotion	3
Officers and Governors Directory	5
Region I Executive Committee	6
Employment Ads	7
Sponsorship	8
Next Meeting Information	9
Golf Outing	10-11

Meeting Wednesday May 11, 2011

2 PDH Credits Approved

Presentation: HVAC Noise and Vibration Control

In the main presentation, Bruce Majer of BRD Noise and Vibration Control, Inc. will be discussing a basic understanding of acoustics and relevant terminology, acceptance criteria, noise control engineering techniques, spec strategies for compliance, cost considerations, and HVAC noise suppression methods.

Tech Session: Variable Refrigerant Volume Systems

In the tech session, Ray Schmitt of Daikin AC (Americas) Inc. will present the basics of VRV systems. This presentation reviews VRF/VRV System design parameters/ concerns and practical application information as well as the various types of equipment and accessories that are available.

Place: Casa Rina, 886 Commerce Street, Thornwood, NY 10592

Program:
 5:30 - 6:00 PM Attitude Adjustment Time
 6:00 Dinner
 6:30 - 7:00 PM Tech Session
 7:00 - 7:15 PM Coffee
 7:15 - 9:00 PM Presentation

Directions to Casa Rina

From Saw Mill Parkway - North or South
 Exit at Marble Avenue - Exit # 27
 Make right - continue to second traffic light
 Make right onto Commerce Street
 Casa Rina is the second house on your left.

Please make reservations by contacting either:

Nicholas Salomone — nsalomone@olace.com 914-919-3140
 Enzo Carlesimo — ecarlesimo@collado-eng.com 914-332-7658

President's Message

By Enzo A. Carlesimo

On behalf of the entire Chapter, I would like to extend our gratitude to Rob Brown of Price Industries and Dan Int-Hout of Krueger Air Distribution for their insightful presentations last month. Judging by the strong turnout, the two topics that they presented grabbed our members' interests, and I am certain they were not disappointed. Our final chapter meeting for the 2010-2011 year will take place on May 11th at Casa Rina Restaurant, and it has all the makings for yet another interesting and informative evening. James Moran and Ray Schmitt of Daikin Industries will be presenting the Tech Session on variable refrigerant flow (VRF) systems. These systems have been around for almost three decades, and are widely popular in Asia, Europe and South America. However, they are relatively new to the HVAC market in the U.S., and thus engineers have been hesitant and even reluctant to specify them on their projects. Hopefully, James and Ray will be able to prove that a VRF system's increased energy efficiency and improved design flexibility, over standard DX cooling systems, make them a viable option on many projects. Bruce Majer, Vice President of BRD Noise and Vibration Control Inc., will be giving the Main Presentation on "HVAC Acoustics for Applied Equipment." Acoustics and vibration isolation has always been a gray area for HVAC design engineers; we typically leave it up to the acoustical consultant and just follow their recommendations on projects. I am certain we are in store for an insightful presentation that will teach us how to sound attenuate everything from ductwork, chillers to condensing units. I hope to see you all on the 11th!



Enzo A. Carlesimo
Bi-State Chapter President

Historical Notes — Bob Roston, Bistate Historian

"With the opening of the superb new building of the New York Stock Exchange, at Broad, Wall and New Streets, last month, what might almost be called a new era in refrigeration began. It marks the practical beginning of a branch of the business that has been almost entirely neglected, the cooling of buildings purely for the physical comfort of the occupants; in other words, refrigeration as a luxury—it might well be added as a necessity, in this case, when the truly strenuous lives of the brokers are considered. Undoubtedly the lives of many of them have been shortened by the excessive heat on the floor of the Exchange on the hot days of summer. But now they may look forward with equanimity to the time they used to dread, for from the ceiling of the lofty board room will descend cooling air waves, keeping the temperature of the room and their tempers even."

— From *Cold Storage*, May 1903

Student Activities — Carmen B. Yellen, Chairman

Three College Engineering Students have been selected to receive the ASHRAE Bi-State Local Chapter Scholarships. The awards will be presented at this year's Golf Outing. Please join us in congratulating these rising engineers, and our future colleagues.

Membership Promotion — Erica L. Ross, Chairman

As we look to the end of the Bi-State Chapter year for the 2010/2011 season, we need to keep in mind the ASHRAE goal. During the hazy, hot, and humid summer days in New York City, it is our mission as HVACR owners, operators, and engineers, to keep people comfortable. Where would we all be without ASHRAE and the standards to which we design every day? As we approach our final meeting, keep this in mind, to try to encourage young members of society to stand up and become part of the ASHRAE organization. We are not only looking for members, but also for future BOG members and Officers! Wishing everyone an enjoyable and restful summer. See you in September! Remember to find us on facebook at <http://www.facebook.com/BISTATE>.

EPA Backs Green Infrastructure Strategy

The U.S. Environmental Protection Agency (EPA) is launching a new strategy to promote the use of green infrastructure to reduce storm water runoff that pollutes streams, creeks, rivers, lakes and coastal waters. Green infrastructure has been shown to decrease pollution by treating rain where it falls and keeping polluted storm water from entering sewer systems.

Green infrastructure captures and filters pollutants by passing storm water through soils and retaining it. There are a variety of green infrastructure tools available today, including green roofs, permeable materials, alternative designs for streets and buildings, trees, rain gardens and rain harvesting systems. Green roofs have been shown to reduce a building's energy costs by 10-15%. Urban tree canopy can provide 5-10% savings from shading and wind blocking.

Research Promotion Contribution Form

PLEASE COMPLETE THE INFORMATION BELOW AND RETURN WITH YOUR CONTRIBUTION TO:

Terry Connor
Johnson Controls
8 Skyline Drive
Hawthorne, NY 10532

Phone: 914-593-5223 Fax: 914-593-5201

Please accept my research investment in the amount of \$ _____

Make checks out to **ASHRAE Research**.

Name _____ Member # _____

Company _____ Chapter _____ Bi-State _____

Address _____

City _____ State _____ Zip _____

Please check one: Personal contribution

Company contribution

Charge my gift to: Visa Master Card American Express

Credit Card # _____ Expiration Date _____

Signature _____

Donors are recognized for their contributions as follows:

Honor Roll contributors are listed in the October ASRHAE Journal and receive the commemorative coin recognizing Giants in HVAC&R invention or innovation.

Individual Honor Roll beginning at \$100

Corporate Honor Roll beginning at \$150

Investors with contributions of \$250 or more receive a wall plaque that can display six commemorative coins.

Contributions in any amount are gratefully received and 100% of the contribution goes directly to research. All contributions are tax deductible.

ASHRAE Learning Institute Spring 2011 Online Course Series

2 WAYS TO REGISTER

Internet: www.ashrae.org/onlinecourses

Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Note: You may register up to 24 hours prior to an online seminar. Courses are in US Eastern Standard Time.



Using Standard 90.1 to Meet LEED Requirements
Monday, March 28, 2011 – 1:00 p.m. to 4:00 p.m.

District Cooling & Heating Systems: Central Plants
Wednesday, April 20, 2011 – 1:00 p.m. to 4:00 p.m.

Fundamental Requirements of ASHRAE Standard 62.1-2010
Wednesday, March 30, 2011 – 1:00 p.m. to 4:00 p.m.

Understanding Air-to-Air Energy Recovery Technologies & Applications
Monday, April 25, 2011 – 1:00 p.m. to 4:00 p.m.

Application of ASHRAE Standard 62.1-2010
Wednesday, April 6, 2011 – 1:00 p.m. to 4:00 p.m.

Basics of High Performance Building Design 
Wednesday, April 27, 2011 – 1:00 p.m. to 4:00 p.m.

The Commissioning Process & Guideline 0
Monday, April 11, 2011 – 1:00 p.m. to 4:00 p.m.

Complying with Standard 90.1-2010 HVAC/Mechanical
Monday, May 2, 2011 – 1:00 p.m. to 4:00 p.m.

Avoiding IAQ Problems Using ASHRAE's New IAQ Guide
Wednesday, April 13, 2011 – 1:00 p.m. to 4:00 p.m.

Advanced High Performance Building Design 
Wednesday, May 4, 2011 – 1:00 p.m. to 4:00 p.m.

Understanding Standard 189.1 for High Performance Buildings
Monday, April 18, 2011 – 1:00 p.m. to 4:00 p.m.

Complying with Standard 90.1-2010 Envelope/Lighting
Wednesday, May 11, 2011 – 1:00 p.m. to 4:00 p.m.



ASHRAE HVAC Design Essential Workshop

May 18-20 • ASHRAE Foundation Learning Center • Atlanta, GA

ASHRAE Certification Programs

In three days, you will

- Participate in in-depth, practice-focused training
- Improve overall building performance
- Effectively collaborate on an integrated design team
- Learn from industry leaders selected by ASHRAE
- Gain real-world experience to make immediate contribution to design projects

ASHRAE created the HVAC Design Essentials to provide intensive, practical education for HVAC designers and others involved in delivery of HVAC services. Developed by industry-leading professionals, this workshop provides attendees with the fundamental and technical aspects of HVAC design in commercial buildings.

In three days, you will gain practical skills and knowledge to design, install and maintain HVAC systems that can be put to immediate use. The workshop provides real-world examples of HVAC systems including calculation of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.


Who Should Attend

Professionals at:

- Mechanical design firms
- Architectural firms
- Mechanical consulting firms
- Facility management departments
- Sales engineering firms
- Utility companies



Visit www.ashrae.org/hvacdesign to register

- Building Energy Assessment Professional (BEAP) 
- Building Energy Modeling Professional (BEMP)
- Commissioning Process Management Professional (CPMP)
- Healthcare Facility Design Professional (HFDP)
- High-Performance Building Design Professional (HBDP)
- Operations & Performance Management Professional (OPMP)

For more info, visit
www.ashrae.org/certification

Officers and Governors 2010—2011

Position	First Name	Last Name	Email	Phone	Fax
Officers					
President	Enzo	Carlesimo	ecarlesimo@collado-eng.com	(914) 332-7658	(914) 332-7659
President-Elect	Nicholas	Salomone	nsalomone@olace.com	(914) 919-3140	(914) 919-3141
Vice President	Erica	Ross	eross@balticare.net	(646) 380-9486	
Secretary	Erica	Ross	eross@balticare.net	(646) 380-9486	
Treasurer	Dennis	LaVopa	dlavopa@dIFlowTech.com	(845) 265-2828	(845) 265-2745
Governors					
Past President/Delegate	Dennis	LaVopa	dlavopa@dIFlowTech.com	(845) 265-2828	(845) 265-2745
BOG (term ends June 2014)	Michael	Circosta	mjcarmonk@optonline.net		
BOG (term ends June 2014)	Albert	Collado	acollado@collado-eng.com	(914) 332-7658	(914) 332-7659
BOG (term ends June 2014)	Robert	Roston	bob@rostonfamily.com	(914) 761-3364	(914) 761-1811
BOG (term ends June 2011)	Steven	Abbattista	sabbattista@olace.com	(914) 747-2800	(914) 747-0453
BOG (term ends June 2011)	Cliff	Konitz	c.konitz@verizon.net	(845) 297-5864	(845) 297-5864
BOG (term ends June 2011)	Joseph	Trongone	jatrong@optonline.net	(914) 526-3441	
BOG (term ends June 2012)	James	Dolan	jdolan@olace.com	(914) 747-2800	(914) 747-0453
BOG (term ends June 2012)	John	Fusco	jfusco@olace.com	(914) 747-2800	(914) 747-0453
BOG (term ends June 2012)	Lawrence	Sturgis	smacna.seny@verizon.net	(914) 592-1776	(914) 592-1904
Committee Chairs					
CTTC	Nicholas	Salomone	nsalomone@olace.com	(914) 919-3140	(914) 919-3141
Research Promotion	Terry	Connor	Terry.Connor@jci.com	(914) 593-5223	(914) 593-5201
Student Activities	Carmen	Yellen	cbyellen@arbpe.com	(914) 238-5433 ext 122	(914) 238-4472
TEGA	Lawrence	Sturgis	smacna.seny@verizon.net	(914) 592-1776	(914) 592-1904
Membership Promotion	Erica	Ross	eross@balticare.net	(646) 380-9486	
Refrigeration	John	Fusco	jfusco@olace.com	(914) 747-2800	(914) 747-0453
Webmaster	Cliff	Konitz	c.konitz@verizon.net	(845) 297-5864	(845) 297-5864
Newsletter Editor	Michael	Gordon	gordonm@emfcontrols.com	(914) 747-1007	(914) 747-1054
Historian	Robert	Roston	bob@rostonfamily.com	(914) 761-3364	(914) 761-1811
Reception	Joseph	Trongone	jatrong@optonline.net	(914) 526-3441	
Attendance	Cliff	Konitz	c.konitz@verizon.net	(845) 297-5864	(845) 297-5864
Golf	Steven	Abbattista	sabbattista@olace.com	(914) 747-2800	(914) 747-0453

Why Be Involved in a Local Chapter?

- Learn about the latest technologies presented in the program sessions
- Attain continuing education credits
- Meet industry associates and discuss local concerns
- Network amongst designers, installers, vendors, educators, in your local area to help improve business for all
- Share experiences with others
- Enjoy a social hour
- Carry out ASHRAE's mission on a local level

"To advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world."

ASHRAE Region I Roster 2010-11 Executive Committee

DRC – Director & Regional Chair

Spencer Morasch
Jersey Central Power & Light
331 Newman Springs Road
Red Bank, NJ 07701
732-212-4133
smorasch@firstenergycorp.com

RVC Student Activities

Om Taneja
General Services Administration
Room 3132, 26 Federal Plaza
New York, NY 10078
212-264-4465
om.taneja@gsa.gov

ARC – Assistant Regional Chair & Treasurer

Joseph Furman
Belimo Americas
43 Old Ridgebury Road
Danbury, CT 06810
203-749-3163
joe.furman@us.belimo.com

Regional Chapter Programs Chair

Peter Oppelt
R.F. Peck Co.
889 Atlantic Ave.
Rochester, NY 14609
585-697-0836 x103
poppelt@rfpeck.com

Nominating Committee Alternate

Emery Otruba, P.E.
262 Johnson Hill Road
Hoosick Falls, NY 12090
518-686-4436
eotruba@verizon.net

Regional Refrigeration Chair

Steven Friedman, PE, HFDP, LEED AP
AKF Engineers, PC.
330 West 42nd Street. 14th floor
New York, NY 10036
212-548-1412
sfriedman@AKFGroup.com

Nominating Committee Member

Cliff Konitz
4 Dennis Road
Wappingers Falls, NY 12590
845-297-5864
c.konitz@verizon.net

Regional Historian

Phil Knowlton
Knowlton Associates
191 Middle Haddam Road
Portland, CT 06480
860-342-3970
pbknowlton@comcast.net

RVC Membership Promotion

Richard Vehlow
NYS Office of General Services
33rd floor Corning Tower GNARESP
Albany, NY 12242
518.474.2471
Rev1969@gmail.com

Regional Electronics Comm. Chair & Newsletter Judge

Heather L. Nowakowski, P.E.
Roswell Park Cancer Institute
Elm & Carlton Streets
Buffalo, NY 14263
716-845-3521
heather.nowakowski@roswellpark.org

RVC Research Promotion

Darcy Carbone
Stebbins-Duffy, Inc.
545 Salem Street
Wakefield, MA 01880
781-246-0840
dcarbone@stebbinsduffy.com

Director of Member Services

Carolyn Kettering
ASHRAE
1791 Tullie Circle, N.E.
Atlanta, GA 30329
404-636-8400
ckettering@ashrae.org

RVC Chapter Technology Transfer

Steve Rosen
Einhorn, Yafee & Prescott—Architecture & Engineering
24 School St.
Boston, MA 02108
508-269-8952
srosen@eypae.com

Director of Communications and Publications

Jodi Dunlop
ASHRAE
1791 Tullie Circle, N.E.
Atlanta, GA 30329
404-636-8400
jdunlop@ashrae.org

Employment Opportunities

Mechanical Engineers

AltieriSeborWieberLLC is a consulting engineering firm in Norwalk, CT which provides mechanical, electrical, plumbing and fire protection design services to a premier list of national and international clients. We specialize in large institutional projects with specific and often challenging requirements for building types including: museums, performing arts centers, aquariums and education. Sustainability is an element in all of our designs. Each of our projects is different and unique. Motivated candidates are able to take on new responsibilities.

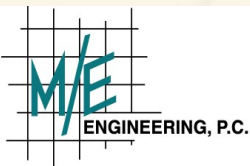
We are seeking experienced Mechanical Engineers with 3-5+ years of experience. Responsibilities include: heating and cooling load calculations, field survey, equipment selection and scheduling, central plant design, confirming energy code compliance, duct and pipe distribution, document development and production.

We are also seeking experienced Mechanical Engineers with 7-10+ years of experience. These candidates will have the above responsibilities as well as concept design, development of flow/controls diagrams and control sequences, comparing multiple design concepts based on energy-use benefits, project management, coordination with all trades and outside consultants, construction administration and client interface.

Experience using AutoCAD is a prerequisite. Experience with eQuest and Revit and candidates with EIT, PE, LEED, BEMP and/or HBDP certifications will be rewarded.

AltieriSeborWieberLLC offers excellent benefits including 401k, health & dental insurance, flexible workday schedule, summer hours and a casual, but motivated working environment.

Find out more at: www.altieriseborwieber.com. Please contact Ken Wieber, Jr. in confidence at info@altierisw.com



Mechanical/Electrical
Engineering Consultants

M/E Engineering P.C. , with offices in Buffalo, Rochester, Syracuse and the Capital District is seeking an Energy Engineer with a minimum of 7 to 10 years experience, and a 4 year Engineering degree preferred. Responsibilities include conducting comprehensive energy conservation studies, energy modeling utilizing eQUEST simulation software and other programs, involvement in NYSERDA sponsored New Construction and Flex Tech Programs, and LEED consulting services. HVAC and Control System knowledge required. Experience with LEED rating systems preferred, and LEED AP designation desired. Competitive salary and benefits package. EOE. M/F/D/V. Interested candidates should forward resumes and salary history in confidence to:

Human Resources
M/E Engineering P.C.
60 Lakefront Boulevard, Suite 320
Buffalo, NY 14202
716-845-5092

Employment ads may be submitted for inclusion in **The Exchanger** as follows:

1. \$100.000 from companies placing ad for one (1) month.
2. \$150.00 from companies placing ad for two (2) months.
3. No charge for members looking for employment.

Researchers Develop Cost-Saving Microchannel Manufacturing Technique

Engineers at Oregon State University have invented a new way to use surface-mount adhesives in the production of low-temperature, microchannel heat exchangers. The very thin pieces of patterned metal can be bonded one on top of another to increase the number of microchannels in a heat exchanger, and the amount of fluid that can be processed. The researchers say this could make the technology much less expensive for many commercial applications, such as automobile cooling systems, fuel processors, miniature heat pumps, computers, and consumer electronics. "We have demonstrated the use of surface-mount adhesives to create microchannels on a wide variety of metals, including aluminum, which is very cheap," said the lead author of the recent study.

Notice to business card advertisers:

We are currently accepting business card advertisements for this year's newsletters. The cost of a business card ad is \$125.00. The newsletter is published monthly, September through June (ten issues). That means for \$125.00 (\$12.50 an issue), your business card ad will circulate to approximately 300 recipients a month or an advertising cost of approximately 4 cents/recipient.

If you are interested in placing an ad, please forward a business card and check (payable to ASHRAE Bi-State) to:

ASHRAE Bi-State Chapter
DL Flow Tech
2421 Route 52
Hopewell Junction, NY 12533



Walter E. Greenwood (Chip)
PRESIDENT
(914) 747-1007 Phone
(914) 747-1054 Fax
(914) 403-4702 Cell
greenwoodw@emfcontrols.com

Energy Management of Facilities, Inc.
5 West Cross St., Suite 5G
P.O. Box 176
Hawthorne, NY 10532
http://www.emfcontrols.com

Partner of
Schneider Electric

Certified Energy Management System Contractor
Facility Automation • HVAC Controls • Security • Access Control • CCTV

Dennis LaVopa
Tel 845-265-2828
Fax 845-265-2745



2421 Rt. 52 Hopewell Jct., NY 12533
www.dlflowtech.com
dLaVopa@dlflowtech.com



a.c.i.
Facility Automation
Access Control
Digital Video/CCTV
Systems Integration
24 Hour Monitoring

Preston M. Bruenn
President

578 Commerce Street, Thornwood, NY 10594
PH: 914-769-8880 FAX: 914-769-2753
pbruenn@automatedcontrollogic.com

Dedicated to engineering sustainable solutions.



**O'DEA
LYNCH
ABBATTISTA**
CONSULTING ENGINEERS

- MEP Engineering Design
- Energy Modeling
- Life Cycle Cost Analysis
- Commissioning

50 Broadway, Hawthorne, NY 10532 tel 914.747.2800 fax 914.747.0453
www.olace.com

Engineering Consultant

Bob Roston, P.E.
6 Pilgrim Road
White Plains, NY 10605-3703

Tel: 914 761-3364
Fax: 914 761-1811
Mobil: 914 646-8322
e mail: bob@rostonfamily.com

**chimney
DESIGN
solutions**

800-685-7077 FAX: 212-685-4777
chimneydesignsolutions.com



D.P. Wolff Inc.
Service & Mechanical Contractors

Vikash Patel, LEED AP ■ Vice President
vpatel@dpwolff.com

143 Bedford Road ■ Katonah, New York 10536
914/767.0515 ■ 212/689.7801 ■ 914/767.3596 FAX
914/767.0515 24 HOUR EMERGENCY

Wallace Eannace Associates, Inc.

Manufacturers Representatives
779 Susquehanna Avenue
Franklin Lakes, New Jersey 07417
201 / 891-9550
Cell 914 / 772-4422
Fax 201 / 891-4298
Email: smartin@wea-inc.com

Stephen Martin
Technical Sales Engineer




LAWRENCE STURGIS
EXECUTIVE VICE PRESIDENT

1 PAULDING STREET
ELMSFORD, NY 10523

PHONE: 914-592-1776
FAX: 914-592-1904
e mail: smacna.seny@verizon.net

Westchester, Putnam, Rockland, Orange
Ulster, Sullivan, Dutchess,
Fairfield & Litchfield, Ct.



Report: Storage for Spent Nuclear Fuel More Crucial Than Ever

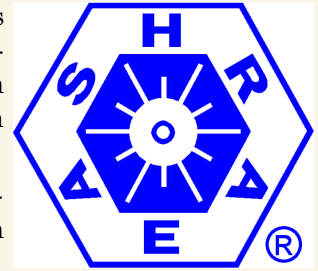
The United States and other countries around the world looking to nuclear power for their energy needs must consider how spent fuel will be handled as they construct new plants and examine existing ones, especially in light of the recent crisis in Japan, according to a comprehensive study from MIT.

The ongoing problems at Japan's Fukushima Daiichi power plant — caused by the March 11 earthquake and tsunami — have been significantly exacerbated by the presence of used fuel housed in the reactor buildings, and demonstrate the urgency needed in dealing with such waste, the report's authors say. It specifically underscores the importance of finding a way to deal with the growing amount of spent nuclear fuel housed at existing U.S. nuclear plants.

The report strongly recommends that an interim solution be developed to remove spent fuel from storage facilities at reactor sites, and move it to regional, medium-term repositories where the fuel can be monitored and protected as it decays over time. Spent fuel loses much of its radioactivity with every passing decade, as the most dangerous radioactive isotopes decay and lose much of their potency during the first 50 years, thus diminishing the problem of long-term storage.

Planning for the ultimate handling of spent nuclear fuel "has frankly been an afterthought in U.S. fuel-cycle policy," said Ernest J. Moniz, director of the MIT Energy Initiative (MITEI) and co-chairman of the new report. "It can't be that," he said. Instead, "it should be integrated" into the overall planning for the nation's energy policies and "the U.S. should move toward centralized spent nuclear fuel storage."

The American Society of Heating, Refrigerating and Air-Conditioning Engineers advances the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world. Membership is open to any person associated with the field including indoor air quality, building design and operation, and environmental control for food processing and industry.



ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider of opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning and refrigerating.

Upcoming Meetings

Month	Date	Promotion	Main Presentation	Tech Session
May	5/11/2011	Student Activities	HVAC Noise and Vibration Control	Variable Refrigerant Flow Fundamentals
June	6/8/2011	Membership Promotion	Golf Outing	

ASHRAE Seeks Public Comment on Standard for Existing Buildings

To ensure a sustainable future, the greatest opportunity lies in modifying existing buildings. Only 2 percent of construction projects are for new buildings, while 86 percent of construction dollars go into renovation of our existing building stock. ASHRAE and the Illuminating Engineering Society (IES) are revising ANSI/ASHRAE/IESNA Standard 100-2006, Energy Conservation in Existing Buildings, to provide greater guidance and a more comprehensive approach to the retrofit of existing buildings for increased energy efficiency. The standard was first published in 1981, and the need for its requirements has grown as more attention is paid to improving energy in our current building stock.

The standard is open for an advisory public review until May 25, 2011. Visit www.ashrae.org/publicreviews for more information. ASHRAE’s advisory public review process is designed to seek suggestions for new, unusual or potentially controversial elements of a proposed standard that the committee feels would benefit from increased public scrutiny. Unlike ASHRAE’s formal call for public comments process, comments received under advisory public reviews are supportive and do not need to be resolved.

Of the 94.6 quadrillion btu of energy consumed in the United States in 2009, 42 percent was used by commercial and residential buildings. Over the next 24 years, national electric consumption is expected to grow by over 22 percent and natural gas consumption by 16 percent. In the same period, the amount of commercial and residential floor space in the marketplace is expected to increase by 37 percent and 17 percent respectively.

“ In order to offset the growing amount of floor space and subsequent increased energy demands, existing buildings must improve their efficiency, even if every new square foot were built and operated at net zero energy,” Rick Hermans, chair of the Standard 100 committee, said. “ASHRAE and IES are working to make Standard 100 the best source of practical, accurate and cost effective design guidance for existing buildings.”

“Achieving improvements in energy efficiency in existing buildings provides significant rewards in operating savings, conservation of resources and improvements in the environment,” Rita Harrold, IES director of technology, said. “The standard addresses the necessary guidance for a variety of users to develop action plans for their specific needs. Making the standard available for an advisory public review is an important opportunity for contributory comments that will add value to the final document.”

The revised standard provides comprehensive and detailed descriptions of the processes and procedures for the energy efficiency improvements of existing residential and commercial buildings in order to achieve greater energy efficiency.

Statements made in this publication are not expressions of the Society or of the Chapter and may not be reproduced without special permission of the chapter.

ASHRAE Bi-State Chapter Annual Golf Outing



Wednesday, June 8, 2011
The Links at Union Vale



Schedule:

- 11:30 am: check-in/lunch
- 1:00 pm: shotgun start
- 6:00 pm: dinner/awards

Costs:

- \$200 per player
- \$750 per foursome
- \$65 for dinner only

Return this form with payment by June 3, 2011

Note: *If payment is not received prior to the golf outing, your reservation may not be accepted.*

Name: _____ Phone: _____

Company Name: _____

Company Address: _____

Email: _____

- | | |
|--|--|
| <input type="checkbox"/> Individual for lunch/golf/dinner\$200 | <input type="checkbox"/> Tee Sponsor\$200 |
| <input type="checkbox"/> Individual for dinner only\$65 | <input type="checkbox"/> Beverage Cart Sponsor\$1000 |
| <input type="checkbox"/> Foursome for lunch/golf/dinner\$750 | <input type="checkbox"/> Lunch Sponsor\$1500 |

Please check off participation level above and make checks payable to: *ASHRAE Bi-State Chapter.*

List names of golfers below. *(If less than four, the golf committee will complete pairings.)*

1. _____ 3. _____

2. _____ 4. _____

Mail completed reservation form and check to:
ASHRAE Bi-State Golf c/o OLA Consulting Engineers, 50 Broadway, Hawthorne, NY 10532



ASHRAE Bi-State Chapter Annual Golf Outing



Directions to The Links at Union Vale

153 North Parlیمان Road, Union Vale, NY 12540 (845)223-1002

www.thelinksatunionvale.com



From New York City and South:

- Take the Taconic State Parkway north to Route 82 North.
- Travel 4-1/2 miles and make a right onto County Route 89
- Take the first right onto North Parlیمان Road (1 mile).
- Golf Course is 1/2 mile on right.

From East or West:

- Take Interstate 84 (east or west) to the Taconic State Parkway north (6-3/4 miles) to Route 82 North.
- Travel 4-1/2 miles and make a right onto County Route 89.
- Take the first right onto North Parlیمان Road (1 mile).
- Golf course is 1/2 mile on right.

From the North:

- Take the Taconic State Parkway south to Route 55 east towards Pawling.
- Take a left at the first light (Route 82 north).
- Make a right onto County Route 89
- Take the first right onto North Parlیمان Road (1 mile).
- Golf Course is 1/2 mile on right.