



Upcoming Events

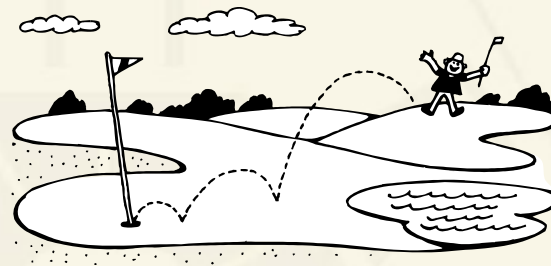
- **August 19 - 21 -**
ASHRAE Region 1
Chapters Regional Conference

Inside this issue:

President's Message	2
Programs Report	3
Research Promotion	4
Officers and Governors Directory	5
Region 1 Executive Committee	6
Employment Ads & Sponsorship	7
Next Meeting Information	8
Golf Outing	9-10
ASHRAE Annual Conference	11
Region 1 CRC 2010	12-13

2010 Bi-State Chapter

Annual Golf Outing



Wednesday, June 16

**Same Great Location: The Links at Union Vale
153 North Parlیمان Road
Union Vale, New York 12540**

www.thelinksatunionvale.com

for more information please contact sabbattista@olace.com

If payment is not received prior to the outing you will not play.

18 Hole Championship Golf Course

- 11:30 am: Check-In/Lunch
- 1:00 pm: Shotgun Start
- 6:00 pm: Dinner and Awards

Event Costs:

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

President's Message

By Dennis LaVopa

Well, as we approach the end of another year, with our last meeting being our Annual Golf Outing just a week away I encourage everyone to attend. It is a time to relax and have fun. Take it from me you don't need to be a good golfer. Those of you who played behind me know what I'm talking about.

I would like to thank the Board of Governors who has encouraged me throughout the year; I could not have done it without them. They planed terrific programs and gave us numerous PDHs. I would also like to thank all the regular attendees who have supported the chapter throughout the year as well as the excellent speakers who shared their knowledge and kept the programs interesting.

Next year Enzo Carlesimo will be our President. I'm sure he will lead the Chapter through another successful year. Let's all give Enzo our support.

Dennis LaVopa
Bi-State Chapter President



Methane Could Power Data Center

Data centers need a lot of energy. Dairy farms create a lot of methane. Now a team from HP Labs has done the math to show that one could be used to support the other.

The research appears in a paper presented at the American Society of Mechanical Engineers (ASME) International Conference on Energy Sustainability in Phoenix, Arizona.

"There is an industry need to explore new concepts in data center design," says Tom Christian, Senior Research Scientist in HP's Sustainable IT Ecosystem Lab, and project lead. And while the idea of cow-powered data centers may sound esoteric, says Christian, "there's a lot of value to be found in challenging conventional wisdom to solve issues faced today and ten years from now."

As data centers require ever more power to operate, they are increasingly being located near existing power generation or cooling resources. One largely untapped source of energy, however, is the methane generated by manure on farms around the world. If released into the atmosphere, methane is 21 times more damaging to the environment than carbon dioxide. But it can be captured and used to power electrical generators.

The HP ASME paper shows how a farm of 10,000 dairy cows could generate 1MW of electricity, enough to power a typical modern data center and still support other needs on the farm. Heat generated by a data center could also be used to more efficiently process the animal waste and thus increase methane production.

This symbiotic relationship helps address the dual challenge of reducing farm pollution and making data centers more environmentally sustainable, says Chandrakant Patel, HP Fellow and director of HP's Sustainable IT Ecosystem Lab. Patel sees the ASME paper as an example of the kind of thinking that will be required if IT systems are to become sustainable in their own right.

Bank of America Tower Receives LEED Platinum

New York's second-tallest building is now the city's first high-rise commercial building to receive LEED Platinum certification. The 54-story, 2.1 million ft² (195 000 m²) tower features an air filtration system that removes 95% of particulates and treated floor-to-ceiling windows that maximize natural daylight and minimize unwanted heat. Also, an underfloor ventilation system allows workers to control the temperature in their own immediate 100 ft² (9.3 m²) space. The building also has a cogeneration plant on the seventh floor that uses captured wasted heat energy to help reduce the building's energy demands by nearly two-thirds. Large chillers in the basement make ice during the evening that is used to cool the building during the day.

Committee Reports

Membership Promotion

Enzo Carlesimo, Chairman

After seeing the minimal attendance at our September 2009 meeting, I knew that I was going to have my work cut out for me as your Membership Promotion chairperson. I made it a goal of mine to see to it that we would never have empty tables again at one of our chapter meetings as long as I was the MP chair. As a result, we created a mass emailing list, composed of HVAC contractors, engineers, and sales representatives either living or working in the Bi-State Chapter's territory, through the website *ConstantContact.com*. Today, I am pleased to report that we have 439 active contacts that receive notices for our meetings/events. Of course, the hardest part is getting all these people to come to the meetings. Luckily, through the encouragement of Dr. Bahman Litkouhi, a good amount of undergraduate mechanical engineering students from Manhattan College regularly attended our meetings and a handful even joined the Chapter as student members. We tried to build a similar relationship with Fairfield University's ME department, but timing was not on our side. Luckily, there's always next year!

Next year, Erica Ross will be our Membership Promotion chairperson. I'm certain that she'll do a fantastic job building upon what we started to do this year.

"Smart Grid, Smart City" Initiative in Australia

Newcastle, in the state of New South Wales, will be the first Australian city to move onto a smart grid in what the government says could be a nationwide change as part of Australia's "Smart Grid, Smart City" initiative involving the collaboration of several Australian government ministries, private contractors including GE Energy and IBM Australia, and Energy Australia, one the country's leading electricity utilities. The project's initial \$100 million rollout, to take place "mid 2010," will include the central business district of Sydney as well as the towns of Scone, Homebush, and Ku-ring-gai, in addition to Newcastle.

A smart grid is an electric grid system with two-way communications capability that allows electric utilities, as well as the commercial and residential facilities using electricity, to regulate electricity use based on both need and electricity availability. It optimizes electricity use and attempts to prevent system strains by making users aware of electricity habits, as well as alerting appliances and monitoring tools to off-peak and peak usage hours. As a result non-urgent electricity needs can be automatically scheduled for off-peak hours, while utilities can better manage their grid systems to meet public need and avoid brown-outs.

The implementation of smart grids throughout Australia could reduce the country's carbon emissions by as much as 3.5 megatonnes (about 4 million metric tons) per year, according to Sen. Penny Wong, Australia's minister of climate change, energy efficiency and water. "Smart grids are critical in the fight against climate change, as they have enormous potential to improve the efficiency of our electricity sector and transform the way we use energy in our homes and businesses," Wong said in a statement.

While it is still in the early development stage, the U.S. is poised to join Australia in the smart-grid quest. In April 2009 Vice President Joe Biden, who has taken the lead in the Obama administration's smart-grid push, announced that the U.S. Department of Energy would give \$3.4 billion in smart-grid technology development grants, and \$615 million for regional pilot projects. By October 2009 it was announced that 100 smart-grid projects had been approved for the \$3.4 billion in funding, with an additional \$4.7 billion being invested by electricity utilities. The DOE estimates that altogether the projects will include the installation of 18 million smart meters covering about 13 percent of U.S. homes. No hard deadline for completion of the multiple projects has been announced. But California's Sacramento County announced in June 2009 that it would implement a smart grid for 600,000 residents by March 2011.

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.

Officers and Governors 2009—2010

Position	First Name	Last Name	Email	Phone	Fax
Officers					
President	Dennis	LaVopa	dlavopa@dlFlowTech.com	(845) 265-2828	(845) 265-2745
President-Elect	Enzo	Carlesimo	ecarlesimo@collado-eng.com	(914) 332-7658	(914) 332-7659
Vice President	Enzo	Carlesimo	ecarlesimo@collado-eng.com	(914) 332-7658	(914) 332-7659
Secretary	Nicholas	Salomone	nsalomone@olace.com	(914) 919-3140	(914) 919-3141
Treasurer	Dennis	LaVopa	dlavopa@dlFlowTech.com	(845) 265-2828	(845) 265-2745
Governors					
Past President/Delegate	Terry	Connor	Terry.Connor@jci.com	(914) 593-5223	(914) 593-5201
BOG (term ends June 2010)	Michael	Circosta	mgc3@westchestergov.com	(914) 995-2573	(914) 995-2564
BOG (term ends June 2010)	Albert	Collado	acollado@collado-eng.com	(914) 332-7658	(914) 332-7659
BOG (term ends June 2010)	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	jtrongone@lynstaar.com	(914) 741-1290	(914) 741-1253
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 (Acting Program Chair)	Enzo	Carlesimo	ecarlesimo@collado-eng.com	(914) 332-7658	(914) 332-7659
Research Promotion	Terry	Connor	Terry.Connor@jci.com	(914) 593-5223	(914) 593-5201
Student Activities	James	Dolan	jdolan@olace.com	(914) 747-2800	(914) 747-0453
TEGA	Lawrence	Sturgis	smacna.seny@verizon.net	(914) 592-1776	(914) 592-1904
Membership Promotion	Enzo	Carlesimo	ecarlesimo@collado-eng.com	(914) 332-7658	(914) 332-7659
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	jtrongone@lynstaar.com	(914) 741-1290	(914) 741-1253
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 2009-10 Executive Committee

DRC – Director & Regional Chair

Spencer Morasch
Jersey Central Power & Light
Building 3, Suite 325
Red Bank, NJ 07701
732-212-4133
smorasch@firstenergycorp.com

RVC Student Activities

Richard Vehlow
NYS Office of General Services
33rd floor Corning Tower GNARESP
Albany, NY 12242
518-486-1510
rev1969@gmail.com

ARC – Assistant Regional Chair & Treasurer

Garry N. Myers
WSP Flack + Kurtz
73 Bonnie Way
Allendale, NJ 07401
212-951-2815
Garry.Myers@wspfk.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 Member

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
Lilker Associates
1001 Avenue of the Americas, 9th floor
New York, NY 10018
212-695-1000 x261
sfriedman@lilker.com

Nominating Committee Alternate

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

Joseph Furman
Belimo Americas
43 Old Ridgebury Road
Danbury, CT 06810
203-749-3163
ioe.furman@us.belimo.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
617-305-9800
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

HELP WANTED

Employment ads may be submitted for inclusion in the following month's issue of **The Exchanger** as follows:

1. \$100.00 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.

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).

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


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.dflowtech.com
 dLaVopa@dflowtech.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' DE A
 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



Brian W. Ryglewicz

CDS, Inc. P 212.685.7077
 110 W. 40th Street F 212.685.4777
 Suite 307 C 917.501.0485
 New York, NY 10018 E br@chimneydesignsolutions.com
 W www.chimneydesignsolutions.com



D.P. Wolff Inc.
 Service & Mechanical Contractors

Vikash Patel, LEED AP
 Vice President

50 Broadway • Hawthorne, NY 10532 • (914) 747-1515 • (212) 689-7801
 FAX (914) 747-1596 • Emergency 24 hours (914) 741-1183
 E-MAIL: vpatel@dpwolff.com

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

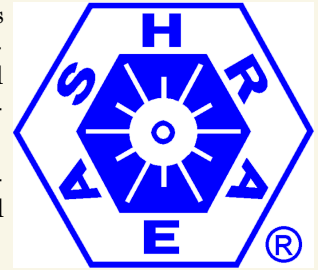
Westchester, Putnam, Rockland, Orange
 Ulster, Sullivan, Dutchess,
 Fairfield & Litchfield, Ct.

SHEET METAL AND
 ROOFING
 CONTRACTORS
 OF
 SOUTHEASTERN,
 NY
 SMACNA, SENY



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
June	6/16/2010	Golf Outing		

Protocols for Performance Measurement Offered by Leading Building Groups

It has long been realized in the building industry that you cannot manage what you do not measure when it comes to building performance. But even if you measure, what ensures that those measurements are appropriate and meaningful?

“Although many buildings claim to be green or high performance, it’s rare that evidence or data is presented to verify these claims,” said Jeffrey S. Haberl, Ph.D., P.E., Professor of Architecture and Associate Director of the Energy Systems Laboratory at Texas A&M University and an ASHRAE Fellow. “If claims of high performance are to be credible, it is essential that a common set of measurements be used and that the results be reported against meaningful and consistent benchmarks. Reliable and reproducible protocols are also needed to give usable feedback to designers and operators when measured performance does not match design intent and expectations.”

A new book from three leading building industry associations provides a standardized set of protocols over a range of accuracies and costs that can be applied consistently to the assessment of building performance. Published by ASHRAE and developed in collaboration with the Chartered Institution of Building Service Engineers (CIBSE) and the U.S. Green Building Council (USGBC), *Performance Measurement Protocols for Commercial Buildings* identifies what to measure, how to measure it and how often it is to be measured for inclusion in buildings’ operation and maintenance plan.

“In an energy conscious world, those who measure and manage the energy use and performance of their buildings will be at an increasing advantage over business as usual energy managers,” Haberl, who chaired the committee that wrote the book, said. Because energy efficiency should not compromise the services provided in the building, the protocols cover indoor environmental quality measures as well as energy and water use.

“The collaboration of CIBSE with ASHRAE and USGBC on this project demonstrates the importance of international engineering collaboration to deliver measurably green buildings, not just green promises,” said Hywel Davies, technical director of CIBSE and vice chair of the committee.

Protocols are developed at three levels for each of six performance categories: energy, water, thermal comfort, indoor air quality, lighting and acoustics.

The three specification levels are:

- basic level, which outlines simple, low-cost measures that provide an initial insight into performance at the annual, whole-building level
- intermediate level, which provides additional data on the building performance, typically at a monthly frequency and major system level
- advanced level, which offers a more detailed and comprehensive analysis for those building owners or managers wishing to gain deeper insights into the performance of a building, typically at a daily or weekly frequency at the system or equipment level.

The cost of *Performance Measurement Protocols for Commercial Buildings* is \$89 (\$75 ASHRAE members).

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 16, 2010
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 11, 2010

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/dinner/golf\$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.

Join ASHRAE in

Raising Efficiency to New Levels



2010 ASHRAE Annual Conference
June 26-30 Albuquerque, New Mexico



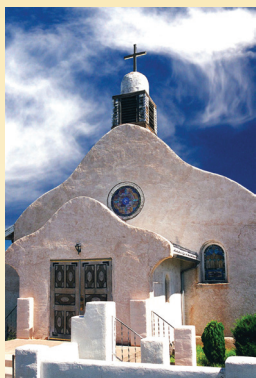
You are invited to join ASHRAE in Albuquerque, N.M. for the 2010 Annual Conference as we move onward and upward to improve energy use around the world; it's sure to be the height of your summer.

ASHRAE continues to set high standards concerning the latest technical guidance to increase the efficiency of buildings and systems: From the nation's first commercial green building standard to the release of a new version of the Society's energy conservation standard to the expansion of the Building Energy Quotient program, the sky is the limit when it comes to energy efficiency.



The 2010 Annual Conference also offers you the opportunity to take your career to the next level through a variety of educational courses and the technical program, which focuses on energy efficient system design for high elevations and dry climates. ASHRAE makes it easy for you to aim high and reach your full potential.

Don't forget, members who register before May 31 can save up to \$145!



Complete meeting information can be found at www.ashrae.org/newmexico

Registration Form

	Before July 30	Late Reg
<input type="checkbox"/> Full package with Golf.....	\$360	\$450
<input type="checkbox"/> Full package without Golf.....	\$325	\$410
<input type="checkbox"/> Companion package	\$160	\$200
(add \$35 for golf)		
<input type="checkbox"/> Bring the kids! Under 12.....	\$ 85	\$110
<input type="checkbox"/> Friday dinner cruise, Sat all day.....	\$200	\$250
<input type="checkbox"/> Saturday Breakfast/Awards lunch	\$130	\$180

Note: Transportation Cost for Friday Wine Tour TBD

Full Package includes light lunch (golf only), reception and dinner Thursday, breakfast/lunch/dinner cruise Friday, breakfast/awards luncheon Saturday

Companion package includes same, kids pricing includes special kid-friendly meals for lunch and dinner.

Name _____

Companion Name _____

Address _____

City, State, Zip _____

Phone _____

Email _____

ASHRAE Chapter _____

Chapter Position _____

Are you a delegate or alternate? _____

Register using a credit card at our website

www.ashraetwintierschapter.org/CRC2010

Or mail check payable to ASHRAE Twin Tiers Chapter to:
ASHRAE Region 1 CRC
PO Box 6706
Ithaca, NY 14851-6706

Need more info?
ashraeregion1crc@gmail.com

Conference Accommodations

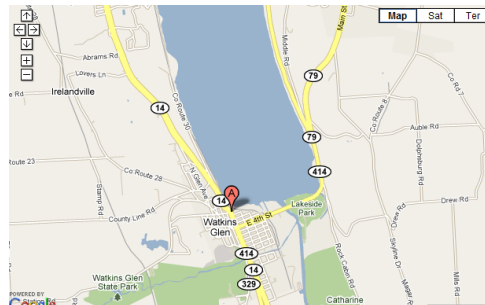
Watkins Glen Harbor Hotel
16 North Franklin Street
Watkins Glen, NY 14891



For amenities, visit www.watkinsglenharborhotel.com

For reservations, call the hotel at (607) 535-6116 and specify **ASHRAE** to receive special conference room rate of \$200/night (not including taxes). **AFTER JUNE 30, standard room rate of \$325 will apply, so please make your reservations early!**

Please note: According to standard practice, credit cards will be charged for the first night at the time reservation is booked.



From The West: 1-90 East NYS Thruway, Exit 42 Geneva/Lyons to RT-14 south (~40 miles), becomes Franklin Street, hotel is on the left.

From the East (Albany): I-90 West NYS Thruway, Exit 25A Schenectady/Binghamton/RT-7 to I-88. I-88 W becomes I-81 south, merge onto NY RT-17W, Exit 52B Watkins Glen/RT-14N (~17 miles), becomes Franklin Street, hotel is on the right.

Interested in alternate area hotels? Camping?
ashraeregion1crc@gmail.com

ASHRAE Region 1 Chapters Regional Conference 2010

Hosted by the
Twin Tiers Chapter

August 19-21, 2010



Visit our website:
www.ashraetwintierschapter.org/crc2010

Come Early, Stay Late!



ASHRAE Distinguished Lecturer Barry Benator, P.E., CEM will be speaking Thursday afternoon on topics that can help you be more effective in chapter operations

- Characteristics and Competencies of Outstanding Leadership**

One of the toughest challenges facing engineers as they progress through their careers is the transition from engineer to leader. The skill sets for success as a leader are different from those of an engineer. This session will present several proven competencies of successful leaders, along with a discussion of how they are applied in an engineering environment.

- Effective Communication Skills**

Effective communication is a critical element of successful leadership and project management, and each of us has a preferred communicating style. This presentation will discuss four common communicating styles, and will provide tips to help you “bridge the gaps” and communicate with others whose style may be different from your own.

Thursday night, join us for a time of social networking during the welcome reception and enjoy dinner with interactive entertainment

Friday night, enjoy a three-hour dinner cruise on beautiful Seneca Lake



The hospitality suite will be open throughout the weekend, come and spend some time networking with your fellow ASHRAE members

Conference Agenda

THURSDAY, AUGUST 19

Registration
 9 AM - 7 PM
 10 AM - 1:30 PM
 1:30 PM - 2:50 PM
 3:00 PM - 4:15 PM
 4:30 PM - 6:30 PM
 7 PM - 8 PM
 8 PM - 10 PM
 10 PM - ?
 7 AM - 7 PM
 7 AM - 9:30 AM
 8 AM - 9:45 AM
 9 AM - 12 PM
 10 AM - 11:45 AM
 12 PM - 1:30 PM
 1:45 PM - 3:15 PM
 1:45 PM - 5:30 PM
 3:15 PM - 5:45 PM
 6:15 PM - 10 PM
 10 PM - ?

FRIDAY, AUGUST 20

Registration
 Continental Breakfast
 Caucus
 Companion Activities:
 Watkins Glen Self-Guided Tour
 Chapter Operations Workshop
 Lunch, Speaker Lynn Bellenger ASHRAE President
 Executive Session
 Companion Activity: Winery Bus Tour
 Second Business Meeting
 Dinner Cruise - leaves dock at 7 PM
 Hospitality Suite

SATURDAY, AUGUST 21

Registration
 Breakfast, featuring omelet bar
 Third Business Meeting
 Companion Activity: The Windmill
 Amish Farmer's Market
 Committee Workshops:
 Membership Promotion
 CTTC/Refrigeration/Program
 RECC/Newsletter
 History
 Student Activities
 Research Promotion
 9 AM - 10 AM
 12 PM - 2 PM
 2:15 PM - 3:00 PM
 8:00 AM - 11:30 AM
 8:30 AM - 11:30 AM
 8:30 AM - 10 AM
 10 AM - 11:30 AM
 9:15 AM - 11:30 AM
 9:30 AM - 10:30 AM
 9 AM - 10 AM
 12 PM - 2 PM
 2:15 PM - 3:00 PM

Area Attractions



The Fingerlakes Wine Trail



Watkins Glen State Park



Sightseeing Boat Tours



The Coming Museum of Glass



Antiquing and lots of shopping!