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ASHRAE Rochester



VOLUME 3, ISSUE 5

DECEMBER 22, 2008

January ASHRAE Meeting Monday, January 12, 2009

| | |
|------------|---|
| Location: | Mario's Via Abruzzi 2740 Monroe Ave, Rochester |
| Time: | 12:00 - 2:00 PM with Lunch Served |
| Cost: | \$25.00 |
| Presenter: | Al Rodgers, Pathfinder Engineers, LLP Steve Beck, LeChase Construction Services, LLC |



Topic:

“Commissioning—Case studies, requirements for engineering specifications. An introduction to Commissioning (What it IS and What it is NOT).”

The Rochester Chapter of ASHRAE invites you to join us at Mario's via Abruzzi on Monroe Avenue for a lunch meeting Monday January 12, 2009 – our first meeting of the new year! Mr. Al Rodgers and Mr. Steve Beck will engage us in an informative roundtable discussion on the subject of Building Commissioning. Commissioning is becoming a crucial aspect of building project delivery as energy efficiency, sustainability, and LEED compliance gain increasing foothold in the building industry. Mr. Rodgers is a Senior Mechanical Engineer with Pathfinder Engineers, LLP and has more than 40 years of experience in design and engineering of mechanical systems. His exposure to HVAC, plumbing, and fire protection of new construction and renovation projects, including alternative energy systems like ground source heat pumps, passive solar, active solar, and water and air heating systems enable Mr. Rodgers to bring a wide array of experience and insight to Commissioning projects. Mr. Beck is a 13 year veteran of LeChase Construction Services, LLC and is Director of the Project Solutions and Commissioning Services Group; he is a LEED Accredited Professional.

Please RSVP by noon Thursday, January 8th to Rob Wind, Phone: 585-341-3172 or rwind@ibceng.com.



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ASHRAE 2008/2009 MEETING SCHEDULE

| DATE | EVENT | LOCATION | SCHEDULE |
|------------------------------|--|--------------------------|--|
| 1/12/2009 Student Night | Commissioning—Case studies, requirements for engineering specifications. Al Rodgers, Steve Beck. Tech Session—An introduction to Commissioning (What it IS and What it is NOT). | Mario's | 12:00-2:00 PM Lunch |
| 2/6/2009 | Valentine's Dinner Dance | Hyatt Downtown | 7:00 PM Reception 8:00 PM Dinner |
| 2/9/2009 Membership Night | Using the updated ASHRAE Standard 90.1 | Wishing Well Party House | 5:30 PM Tech Session Dinner 7:00 PM Main Speaker |
| 3/9/2009 | Sustainable Design and the use of Standard 189 Thomas Lawrence, PhD, PE, LEED AP—ASHRAE DL Tech Session—Applications for custom air handlers | Mario's | 12:00-2:00 PM Lunch |
| 4/13/2009 | Refrigeration Tour—(tentative) High Falls Brewery | High Falls Brewery | 5:30 Dinner 7:00 Tour |
| 4/22/2009 | ASHRAE Satellite Broadcast Indoor Air Quality | Bathtub Billy's | 11:30 Lunch 12:00-2:00 Broadcast |
| 5/19/2009 | Annual ASHRAE Golf Outing and Picnic | Ravenwood Golf Club | 8:00 AM Golf 2:00 PM Picnic 6:45 PM Dinner |



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.



“Advancing HVAC&R to serve humanity and promote a sustainable world”

Vision Statement

- will be the global leader in the arts and sciences of heating, ventilation, air conditioning and 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.

President's Message by: Joseph Van Cura



Greetings once again to all members and friends of ASHRAE. I trust you have all enjoyed the holidays and are looking forward to a prosperous 2009.

Our December meeting was well attended with approximately 50 members and guests. Jeff Davis worked very hard to secure Professional Development credit for the presentation provided to us by Patrick Whelan P.E. of the Trane Company.

Patrick presented the ASHRAE standard 62.1 revise in 2007. This standard is an integral part to almost every facility designed today.

He emphasized "Demand Controlled Ventilation"

As we know in most climates it takes energy to condition (cool, heat or dehumidify) outdoor air introduced for ventilation purposes. In most buildings the outdoor air required changes because, for example, the number of people in the building changes. Therefore energy can be saved by reducing outdoor air intake during operation to match the demand.

Patrick did an excellent job of providing the membership with the changes ASHRAE 62.1 2007 has gone through since its last revision in 2004.

ASHRAE strives to educate the world and continues to stay on the leading edge of technology with respect to heating, ventilating, cooling and refrigeration.

It is through ASHRAE research that a lot of this technology is generated. Rob Wind acting on behalf of Jeff Close, our Research Promotion Chairman, presented numerous certificates to members and businesses for their contribution for 2008.

Rochester Chapter exceeded our goal and raised in excess of \$18,000.00, a special thanks goes to Gray Metal Products for their donation of \$13,500.00 out of that \$18,000.00 total.

Our next meeting will be held on January 12th and will feature Steve Beck of Le Chase Construction and Al Rogers of Pathfinder Engineers.

Topic – An introduction to Commissioning

(What it IS and is NOT)
Location Mario's restaurant
Time: 12 noon
Reservations required
Cost- \$25.00 per person

We greatly appreciate your feedback on our meetings as well as suggestions for future meeting topics and forums. Please feel free to email me at jvc@rpfedder.com if you have any requests or suggestions.

I would like to thank all of the members and especially those working on the Board of Governors, for allowing me the opportunity to serve such a great organization.

Joseph Van Cura, 2008-2009 President



Research Promotion

ASHRAE
Researching Today
to Change Tomorrow

At the December chapter meeting, last years donors were recognized for there contributions to ASHRAE research for the 2007-08 campaign. Together our chapter was able to raise \$18,156 through charitable contributions from local companies and individuals. The money raised through the research promotion campaign was matched

100% by society to provide a grand total of \$36,312 towards research projects already underway. We are already making strides to hitting our 2008-09 research campaign goals for the Rochester Chapter and hope to make this our best year yet. I am hoping I can count on the continued support of all of our past contributors who have gener-

ously supported us over the years. I also look forward to gaining the support of new contributors this coming year.

If anyone is interested in donating, but doesn't know where to begin, please contact me.

jeff.close@pres-services.com

A special thank you to all of last year's contributors:

| | | | |
|---|----------------------|----------------------------|------------------|
| Gray Metal Products Inc | Golden Circle | Mr Casey G Bernhard | Honor Roll Donor |
| Rochester ASHRAE Chapter | Silver - Major Donor | Mr Lee M Loomis | Honor Roll Donor |
| R L Kistler Inc | Bronze - Major Donor | Mr Joseph R Van Cura | Honor Roll Donor |
| Slater Equipment Company Inc. | Major Donor | Mr James C Browe | Honor Roll Donor |
| Ms Lynn G Bellenger | Major Donor | Mr Thomas E Piekunka | Honor Roll Donor |
| Schmitt Associates | Honor Roll Donor | Mr Theodore K Knowles, Jr | Honor Roll Donor |
| Genesee Heating | Honor Roll Donor | Mr Jeffrey C Ellis | Honor Roll Donor |
| Mr Joseph D Gangemi | Honor Roll Donor | Guckian Energy Systems LLC | Individual Donor |
| Air Systems Balancing & Testing Service | Honor Roll Donor | Mr Donald C Fisher | Individual Donor |
| H M Cross & Sons Inc. | Honor Roll Donor | Mr Charles G White | Individual Donor |
| Day Automation Systems Inc | Honor Roll Donor | Mr James D Ormond | Individual Donor |
| Mr Jeffrey M Davis | Honor Roll Donor | Mr Aldo F Fioravanti | Individual Donor |
| Mr Robert J Wind, Jr | Honor Roll Donor | Mr Larry Smith | Individual Donor |
| Mr Jeffrey C Bidell | Honor Roll Donor | Mr Richard P Barrett | Individual Donor |

Jeffrey Close, 2008-2009 Research Promotion Chair



Student Activities



Student Activities

Students at RIT are in need of 2001 and (preferably) 1997 Fundamentals volumes. If you have some to spare, please contact Al Rodgers.

arodgers@pathfinderengineers.com

Al Rodgers, 2008-2009 Student Activities Chair



Engineering tomorrow...today 2009 ASHRAE Winter Conference

January 24-28

ASHRAE 09

CHICAGO, IL



Why Should **You** Attend? WHAT MEMBERS ARE SAYING

"The ASHRAE meeting in Chicago will attract the leading practitioners in high performance building design, operation and maintenance. I can't afford not to be there.

ASHRAE meetings allow me to network with my colleagues, learn about the latest technologies, and have a great time to boot."

"Attending the ASHRAE meetings allows me to build networking relationships with the leaders in my industry that are writing codes and standards and conducting research that directly affects how I design buildings."

KEY NOTE SPEAKER

Plenary Session
Saturday, Jan. 24
CHRIS LEUBKEMAN
Speaks on ...
Sustainable Urbanization



Hear about current global efforts to design and adapt cities to the new era of dwindling resources.

Wednesday Welcome
Wednesday, Jan. 28



\$99 for 4 PDHs
ASHRAE joins forces with the AHR Expo to bring its conference program to McCormick Place.

KEY NOTE SPEAKER

Technical Session
Sunday, Jan. 25
ADRIAN BEJAN
Speaks on ...
Constructual Theory



I hear from the man who developed the theory - which he says can predict how everything flows through time and space.

Meeting Registration DON'T MISS OUT!

Register online for the conference, tours and social events.
Register online until December 31. After this date, you can register for the conference in Chicago.

[Register Online](#)

Welcome Party
Saturday, Jan. 24



Kick off the conference with a networking event featuring great food and great friends.

President's Luncheon
Monday, Jan. 26



President William A. Harrison gives his State-of-the-Society address, updating initiatives outlined in his presidential theme, *Maintain to Sustain - Delivering ASHRAE's Promise of Sustainability*.

Member's Night Out
Tuesday, Jan. 27



Featuring the Galileo Players, a sketch comedy and improv troupe from Chicago that focuses on science, logic, & reason.

Learn and Earn

TECHNICAL PROGRAM PROVIDES 140+ PDHs

ASHRAE is advancing the state-of-the-art in sustainability through the [technical program with its theme Sustainable Urban Design](#), presenting the latest developments in sustainability as applied to systems and equipment, application of their use in different types of buildings and, especially, the impact on urban settings. Educational opportunities and some 60 PDHs are available through [ASHRAE Learning Institute courses](#).

Earn an ASHRAE Certification STAND OUT FROM THE CROWD

ASHRAE launches its newest certification program, *Operations and Performance Management Professional Certification*, which will recognize an individual's understanding of how the management of HVAC&R operations helps to achieve and maintain building performance goals.

- Learn more at www.ashrae.org/certification



The Show—

Learn about new products and the most innovative technology at the Expo, the world's largest event for HVAC&R. More than 1,800 exhibitors from 30 countries are expected, with numbers growing.

ASHRAE Thanks its Winter Conference Sponsors



ASHRAE's
52nd Annual Valentine's Dinner Dance

We're taking it Downtown...
to
The Hyatt Regency
125 Main Street
Rochester, NY 14604

Date: Friday, February 6, 2009
7:00 pm Reception - Hors d'oeuvres
8:00 pm Dinner - as you selected
9:15 Dessert and Coffee

Menu Selections:

- Filet Mignon served with Demi Glace, Mushroom Compote and Pommes Dauphine
- Herb Crusted Chicken Breast with Mushroom Polenta
- Seared Fresh Halibut on Roasted Asparagus with Saffron Cream and Petite Potatoes
- Vegetarian Delight of your Choice

For your convenience we have arranged for valet parking.

For reservations, please mail or fax the below registration form. Please make checks payable to: **Rochester Chapter ASHRAE**, and mail to: ABR Wholesalers, Inc., Attn: Jody Monaco-McGarry, 510 North Goodman Street, Rochester, NY 14609, Phone: (585) 482-3601, Fax: (585) 482-6698



Please circle one Meal Selection:

1. Name: _____ Beef - Chicken - Fish - Vegetarian
2. Name: _____ Beef - Chicken - Fish - Vegetarian

Number of people ____ x \$50.00 per person = \$ _____ (enclosed)



Your technical training provider presents

Air Conditioning Fundamentals 2009

Target Audience: Any engineer, designer, technician, or assistant who wants to broaden their base in the fundamentals, will greatly benefit from this training.

Primary Benefit: Students will enjoy learning as much practical knowledge as possible about Air Conditioning Fundamentals. Students won't waste a great deal of time in theory. The typical student can immediately apply what he/she learns. Past attendees have boosted their overall confidence and found many ways to apply their recently acquired knowledge.

2009 Course Offering (Rochester, NY): (This class is 3-days; Tuesday – Thursday)

1. [] Jan 13-15 '**Systems Fundamentals- I**' (HVAC Systems, Ice Storage, Heat Recovery, etc...)
2. [] Feb 10-12 '**Refrigeration Fundamentals**' (Refrig Basics, Refrig Piping, Refrig & Our Environment)
3. [] Mar 10-12 '**Energy Efficient Design Fundamentals**' (Chilled Wtr, DX, VAV, Dehumidification)
4. [] Apr 14-16 '**Product Fundamentals- I**' (a brief 1-2 hour summary of the top 12-15 products in HVAC)
5. [] May 12-14 '**Product Fundamentals- II**' (more in-depth look at AHU, WSHP, RTU, Compressor Technologies)
6. [] Jun 9-11 '**Airside Fundamentals- I**' (Load Design and Psychrometrics)
7. [] Jul 14-16 '**Airside Fundamentals- II**' (Duct Design, Fans & Fan Laws, Acoustics and IAQ)

Note: For more information about each of these classes, log onto BeckerLearning.com

Registration Deadline: Each course will be filled on a first-come-first-reserved basis.

Payment Deadline: Complete Payment must be received prior to the start of the class.

Contact: Joe Becker, Becker Learning / 5980 Sheppard Road / Dansville, NY 14437
Phone: (585) 317-0000 Email: BeckerLearning@yahoo.com



More Details for 3- day courses:

Where: The specific Henrietta, NY location will be decided at least 30-days before the class & all attendees will be emailed all appropriate information in time to make hotel reservations.

Food: Lunch, mid-morning and mid-afternoon snacks & drinks are provided.

What is not included: Transportation, other meals & lodging.

Travel: Arrival: Since the seminar starts at 8:00 a.m., plan to arrive the night before.

Departure: You can book flights out of Rochester International Airport after 5:15 p.m. on Thursday since our Henrietta, NY location is less than 10-minutes from the airport.

Registration: Please fill out this form for each person attending, and mail along with a **Check** or **Purchase Order** (made out to 'Becker Learning') to:
Becker Learning / 5980 Sheppard Road / Dansville, NY 14437

2009 Courses: 1. Systems 2. Refrigeration 3. Energy Eff. Design 4. Product-I

(check all that apply)

5. Product-II

6. Airside-I

7. Airside-II

Name: _____ Title: _____

Company: _____

Address: _____

Phone: ()

Email: _____

| # of Courses | \$/course | Total Cost \$ | Check # or PO # |
|--------------|-----------|---------------|-----------------|
| | \$1,000 | | |

Authorizing Person

| Printed Name | Signature | Date |
|--------------|-----------|------|
| | | |

***If a PO is given, full payment must be received prior to the first day of class.

Cancellation Policy:

If someone cancels 60-days prior to the start of the class => no cancellation charge.

If someone cancels 30-60 days prior to the start of class => 50% cancellation charge

If someone cancels less than 2-weeks before the start of class, or simply doesn't show up => charged the full amount

Teaching Methodology:

Similar to the way Joe taught nine classes in the Graduate Training Program of The Trane Company, students will learn a concept and then immediately apply this new knowledge with an application problem. Quiz/testing will also be used to measure the overall effectiveness of the teaching. In this way, the program receives continual improvement through direct feedback.

About the Instructor:

Joe Becker is a graduate of the University of Wisconsin-Madison with degrees in Naval Science and Industrial Engineering (1979). He is also a Graduate from the U.S. Naval Nuclear Power School at Mare Island, California (1975). Joe is a registered Professional Engineer.

After nine years in the Navy, Joe resigned his Commission in the Civil Engineer Corps. Since graduating from GTP's class of 83-11, he worked as a Systems Engineer in C.D.S., Marketing Engineer in the Variable Air Volume Product Group, Manager of Technical Training in GTP, Sales Engineer, Sales Manager in Rochester/Syracuse & I SL f or NE Territory.

Joe currently works part-time for Trane's NE Territory and provides technical training through Becker Learning.

Governmental Affairs Update

Welcome to ASHRAE's Government Affairs Update. Along with the redeveloped Government Affairs webpage, these periodic e-mail updates feature information on government affairs related activities of interest to ASHRAE members and others interested in the built environment. Archives of previous updates are available from the government affairs webpage (<http://www.ashrae.org/advocacy>).

Please pass this information on to interested colleagues who also may subscribe from the ASHRAE Government Affairs webpage. Should you wish to unsubscribe, information appears at the end of this e-mail.

If you have any recommendations regarding content, or have questions about or would like to participate in Washington Office activities, please contact ASHRAE Government Affairs staff at (202) 833-1830 or washdc@ashrae.org.

ASHRAE Government Affairs Update, 12/19/08

- [President-Elect Obama Nominates Dr. Steven Chu as Energy Secretary](#)
- [Hawaii to Feature Car Chargers and an Ocean Thermal Energy Plant](#)
- [California Approves Plan to Reduce Greenhouse Gas Emissions](#)
- [EIA: U.S. Greenhouse Gas Emissions Increased by 1.4% in 2007](#)
- [EPA Takes Measures to Accelerate ODS Phase Out](#)



[President-Elect Obama Nominates Dr. Steven Chu as Energy Secretary](#)

President-elect Barack Obama has nominated Dr. Steven Chu, the current director of DOE's Lawrence Berkeley National Laboratory (LBNL), to be the next Secretary of Energy. Dr. Chu won the Nobel Prize for physics in 1997 and has run LBNL since 2004. Prior to that time, he was a professor at Stanford University and a scientist at AT&T Bell Labs. Dr. Chu is credited as an early advocate for finding solutions to climate change and for guiding LBNL toward more research on low-carbon energy sources, including renewable energy and biofuels.

The president-elect also established a new position in the White House, the Assistant to the President for Energy and Climate Change, and selected Carol Browner for the new post. Browner is a former administrator of the U.S. Environmental Protection Agency (EPA) and is currently a principal of The Albright Group LLC, a firm that provides strategic advice to companies. According to the Obama transition team, Browner "brought the climate change issue to the forefront" during her tenure at the EPA, and she "established climate change as an important environmental issue requiring action." Browner's deputy assistant will be Heather Zichal, a former legislative director for Senator John Kerry.

See the announcement from President-elect Obama (http://change.gov/newsroom/entry/president_elect_barack_obama_announces_key_members_of_energy_and_environment/).

[Hawaii to Feature Car Chargers and an Ocean Thermal Energy Plant](#)

The State of Hawaii has followed the California Bay Area's lead in committing to building an infrastructure for recharging electric car recharging. Hawaii Governor Linda Lingle announced that the state has signed an agreement with Better Place to collaborate on both the infrastructure and the renewable energy sources needed to power a statewide network of public charging spots and battery swapping stations. Better Place plans to begin applying for permits for the network within the next year, followed six months later by the introduction of its first electric vehicles, leading to the mass-market availability of electric cars in Hawaii by 2012. See the press releases from Governor Lingle (<http://hawaii.gov/gov/news/releases/2008/governor-lingle-and-better-place-announce>).

Governor Lingle also announced that Lockheed Martin Corporation is teaming up with the Taiwan Industrial Technology Research Institute (ITRI) to develop a 10-megawatt Ocean Thermal Energy Conversion (OTEC) pilot plant in Hawaii. OTEC technology uses the temperature difference between the ocean's warm surface and its chilly depths to generate electricity. Lockheed and Hawaii have been involved in OTEC since its inception, as partners in the first OTEC demonstration, a barge-mounted facility that generated 15 kilowatts of net electricity off the coast of Hawaii back in 1979. DOE was also involved in developing OTEC technology, and by 1993, DOE and the Natural Energy Laboratory of Hawaii had teamed up to build an on-shore OTEC plant that generated up to 50 kilowatts of net electricity. With its current revival, OTEC could be a key technology for the Hawaii Clean Energy Initiative, a DOE partnership with the goal of drawing of renewable energy for 70% of the state's energy needs by 2030. See the governor's press release (<http://hawaii.gov/gov/news/releases/2008/governor-lingle-announces-new-ocean-thermal-energy>).

(continued on page 11)

Governmental Affairs Update (continued)

[California Approves Plan to Reduce Greenhouse Gas Emissions](#)

The California Air Resources Board (CARB) approved a plan to reduce the state's greenhouse gas emissions to 1990 levels by 2020. The climate change "scoping plan" is a central requirement of AB32, the Global Warming Solutions Act of 2006, which was signed into law in September of that year. The plan addresses roughly 85% of the state's greenhouse gas emissions with a cap-and-trade program, which will be developed in conjunction with the Western Climate Initiative (WCI). The WCI comprises seven Western states and four Canadian provinces that have committed to cap their emissions and create a regional carbon market. The plan also includes a variety of measures that will help that cap-and-trade program succeed, while also addressing emissions not included in the program. The CARB now faces the task of developing detailed strategies to implement all of the recommended measures that must be in place by 2012.

Most of those measures relate to energy efficiency and renewable energy, including strategies to enhance and expand the state's energy efficiency programs; implement the state's clean cars standards; increase the state's use of renewable energy; and implement a low-carbon fuel standard to reduce the impacts on climate change from the fuels used in the state. The plan also proposes full deployment of the California Solar Initiative, high-speed rail, water-related energy efficiency measures, and a range of regulations to reduce emissions from trucks and from ships docked in California ports. There are also measures designed to safely reduce or recover a range of very potent greenhouse gases, such as refrigerants and other industrial gases. See the CARB press release (<http://www.arb.ca.gov/newsrel/nr121108.htm>) and the scoping plan (<http://www.arb.ca.gov/cc/scopingplan/document/scopingplandocument.htm>).

[EIA: U.S. Greenhouse Gas Emissions Increased by 1.4% in 2007](#)

The total emission of greenhouse gases in the United States increased by 1.4% in 2007, according to DOE's Energy Information Administration (EIA). An EIA report released December 3 found that U.S. greenhouse gas emissions reached the equivalent of 7.282 million metric tons of carbon dioxide in 2007, with the increase mainly attributed to greater weather extremes and a decrease in hydropower production. While carbon dioxide emissions increase by 1.3% in 2007, other greenhouse gases increased at a faster rate, including a 3.3% increase in emissions of the most powerful greenhouse gases, such as refrigerants. Since 1990, U.S. greenhouse gas emissions have risen by nearly 17%. See the EIA press release (<http://www.eia.doe.gov/neic/press/press310.html>) and the full report (<http://www.eia.doe.gov/oiaf/1605/ggrpt/index.html>).

[EPA Takes Measures to Accelerate ODS Phase Out](#)

EPA is taking the next step to eliminate hydrochlorofluorocarbon (HCFC) emissions, which are ozone-depleting substances and greenhouse gases.

The proposed rule would decrease the consumption and production of HCFCs for the years 2010 to 2014. Consumption and production will be reduced by at least 75 percent in 2010. As a party to the Montreal Protocol on Substances that Deplete the Ozone Layer, the U.S. will completely phase out HCFCs in 2030.

This action will also amend provisions concerning HCFC production for developing countries' basic domestic needs and would clarify a ban on the sale and distribution of HCFCs through interstate commerce under the Clean Air Act. EPA will accept comments on the proposed rule for 60 days after publication in the Federal Register.

In 1993, EPA started eliminating the most harmful HCFCs to implement the Montreal Protocol's gradual phase out of overall HCFC levels.

One hundred ninety-three countries are parties to the Montreal Protocol on Substances that Deplete the Ozone Layer. Signed in 1987, this successful treaty is helping to heal the ozone layer by ending the production of ozone-depleting substances.

More on EPA's involvement in the Montreal Protocol: <http://www.epa.gov/ozone/strathome.html>





Job Postings & Help Wanted



This section of the newsletter is reserved for those firms wishing to advertise their desires to hire from the Chapters Membership.

If you are interested in utilizing this FREE service provided by the Rochester Chapter, please contact our Newsletter Editor, Christina Wal-

ter (585.486.2148) or by email cmwalter@trane.com

This service is available to any firm in our industry looking for knowledgeable persons in the HVAC&R industry.



2008-2009 Presidential Award of Excellence Summary

| Chapter # | Chapter Name | Chapter Members / Students | Member Promotion | Student Activities | Research Promotion | Chapter Technology Transfer | History | Chapter Operations | Chapter PAOE Totals |
|-----------|--------------|----------------------------|------------------|--------------------|--------------------|-----------------------------|---------|--------------------|---------------------|
| 11 | Rochester | 240 /26 | 0 | 0 | 260 | 0 | 100 | 60 | 420 |



Leave a Lasting Impression

Perfect for chapter, individual
or company recognition.



ASHRAE recognizes our members are the foundation of our success. Demonstrate your commitment to our goals, memorialize your support and leave a lasting testament to your membership in ASHRAE through purchase of a paver at our newly renovated ASHRAE Headquarters. Join ASHRAE as we “walk the talk” and celebrate our new sustainability showcase.

To purchase a paver, visit
www.ashrae.org/building

Announcing 2009 ASHRAE Buyer's Guide

Please take the opportunity to promote your company's products and services in the 2009 ASHRAE Buyer's Guide.

This valuable guidebook is distributed to each Rochester Chapter ASHRAE member and is one of the best resources of HVAC product and service listings in this region.

You can make your ASHRAE Buyer's Guide submission by emailing a black & white 5 ½" x 8 ½" or 8 ½" x 11" page as you would like your ad to appear.

Ad Format options for submission include:

- **Best:** pdf print file
- **Good:** word file
- **Least:** other

The cost will remain the same as last year at \$125.00. It is our intent to release the Buyer's Guide by February 2009 so the deadline to receive your ad is January 30, 2009.

Email your ad to: cwengineering@rpa.net.

Please send your \$125.00 check payable to ASHRAE Rochester Chapter to:

Charles White
128 Hogan Road
Fairport, NY 14450

If you have any questions, please call me at (585) 223-2462.

Thank you for your support.
Charles White,
Chairman, ASHRAE Rochester Buyer's Guide Committee.



Society News:

ASHRAE Hosts Conference on Net-Zero Buildings

ATLANTA – To help drive the building industry toward market-viable net-zero-energy buildings, ASHRAE is hosting a specialty conference on the topic in March in San Francisco.

“We have reached a time when the building industry is being called to shift to a new level of performance that will reduce our energy and carbon footprint,” Bill Harrison, ASHRAE president, said. “It is time to advance net-zero-energy building knowledge.”

ASHRAE’s *Countdown to a Sustainable Energy Future...Net-Zero and Beyond* conference takes place March 29-31 at Hyatt at Fisherman’s Wharf in San Francisco. The conference will provide a forum to discuss the role of policy and regulatory involvement in addition to providing application knowledge for the various aspects of net-zero-energy buildings for both residential and non-residential buildings. It

will include building science, energy efficiency in HVAC, lighting and appliances, and renewable energy sources applied to buildings.

To register or for more information, visit www.ashrae.org/netzeroconference.

ASHRAE defines net-zero-energy buildings as those which, on an annual basis, use no more energy from the utility grid than is provided by on-site renewable energy sources. These buildings use 50 to 70 percent less energy than comparable traditional buildings, and the remaining energy use comes from renewable sources, like solar panels or wind turbines incorporated into the facility itself, according to Harrison.

He noted that the state of California recently announced its goal of new residential developments being net-zero-energy by 2020 and new commercial developments being net-zero by 2030.

“As the industry seeks solutions to these challenges, ASHRAE must be there to help disseminate the knowledge,” he said.

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing and continuing education.



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From the Editor’s Desk

The ASHRAE Chapter Bulletin should reflect the opinions, activities and needs of its members. We represent an active membership and the Bulletin can provide a valuable and enjoyable forum for news of our individual members.

Any announcements of interest, as well as letters, opinions, questions or comments, should be addressed to Christina Walter, Trane, 75 Town Centre Drive, Rochester, NY 14623 or email to cmwalter@trane.com

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Go to www.ashrae.org to update your personal information. Keeping your information current helps us to find you. Please add email, phone number, fax number, address correction, etc.

