



VOLUME 7, ISSUE 6

FEBRUARY 1, 2012

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## YEA Technical Session

**March 2012**

### Water System Design Fundamentals

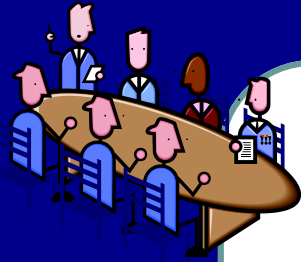
**Reserve your spot by Monday, February 13th**

#### What You Will Learn

You will develop an understanding of the basic concepts of hydronic system operation and design including piping systems, pipe materials and fittings, centrifugal pumps, terminal units, expansion tanks and water chillers. After completing the course, you should know:

- The components of closed and open hydronic systems.
- The basic concepts of piping system design.
- The different types of pipe used in hydronic systems.
- How centrifugal pumps operate.
- How to match pumps to systems.
- What variables are involved in terminal unit control.
- How to optimize water chiller operation.

*(refer to page 12-13 for more details)*



## Chapter Officers

### President

Jeffrey Ellis  
585-232-3440  
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### President Elect

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Beth Smith 585-272-0110(3010)  
bsmith@vpsupply.com

## ASHRAE 2011-2012 Meeting Schedule

Date	Event	pdh / Theme	Location	Schedule
09/12/11	Annual ASHRAE Clambake James Bittker, NYSEDA New Construction Program	Membership Promotion	Burgundy Basin	5:00 PM
10/10/11	Dick Sherren Rooftop Wind Restraints	( 1 ) pdh available	Mario's	12:00 PM
11/14/11	Stanley Mumma, DL Region III Chilled Surfaces and DOAS	( 1 ) pdh available	Mario's	12:00 PM
12/12/11	BIM - Joint ASPE Meeting John Jansen, Imaginit Technologies	Research Recognition (1) pdh available	Mario's	12:00 PM
01/09/12	Tribute to Lynn Bellenger Enid Cardinal, Director of Sustainability at RIT Topic, TBD Bill Bishop - 5 min on BSUG	Awards Student Night	RIT	Dinner (Time, TBD)
02/10/12	Annual ASHRAE Valentines Dinner Dance	---	Inn on Broadway	7:00 PM
02/13/12	Steve Beck ASHRAE IAQ Guide, current work on Building Performance Metric	Membership Promotion  ( ) pdh available	Mario's	12:00 PM
03/12/12	Drury Crawley, DL Region III AEDG's to Net-Zero Buildings and Future Trends in Simulation	Research Promotion ( 1 ) pdh available <i>pending</i>	Mario's	12:00 PM
04/09/12	Refrigeration Tour Wegmans Market St - TBD	Student Night ( 1 ) pdh available <i>pending</i>	TBD	TBD
05/15/12	Annual ASHRAE Golf Outing and Picnic	---	Ravenwood Golf Club	9:30 AM Golf 4:30 - 8:00 Picnic

### 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.



Shaping Tomorrow's  
Built Environment Today

### 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.



**Jeff Ellis, 2011-2012 President**

I would like to thank Enid Cardinal, Director of Sustainability at RIT for her presentation at our January Lunch Meeting. A big “well done” also goes out to Jaimee Reynolds for her slideshow tribute to honor Lynn Bellenger. Thank You Jaimee!

Our February speaker will be Steve Beck from LeChase Construction Services and the topic will be a review of the ASHRAE IAQ Guide and current work on the Building Performance Metric. We are hoping to have (1) pdh available for this presentation.

Please plan on attending our annual Valentine’s Dinner Dance at the Inn on Broadway. The date is Friday February 10<sup>th</sup>. Jody and Matt McGarry always do a wonderful job hosting this event.

Our online Buyers Guide is operational and we are currently accepting ads for the 2012 version. Please check it out on our website and let us know what you think. More information about advertising in the Buyer’s Guide is available from Chuck White (cwengineering@rochester.rr.com)

Please take time to explore the updated Rochester ASHRAE Chapter website at <http://rochester.ashraechapters.org/>

Thanks for the continued support of YOUR local chapter of ASHRAE.



# Monthly Meeting

## February ASHRAE Meeting

**Monday, February 13th 2012**

**Location:** Mario's Italian Steakhouse 2740 Monroe Ave, Rochester

**Time:** 12 PM with Buffet Lunch Served

**Cost:** \$25.00, PayPal On-Line *or* cash/check at door

**Speaker:** Steve Beck, LeChase Construction Services

## Indoor Air Quality Guide, Best Practices

Our February presentation will provide attendees with an overview on two (2) new guidance documents developed and published by ASHRAE; "Indoor Air Quality Guide, Best Practices for Design, Construction and Commissioning" and "Best Practices for Evaluating and Improving the Performance of Commercial Buildings (PMP)" (in final development, scheduled for publication in 2012). The IAQ Guide is intended for use by building science professionals (architecture, engineering, commissioning and IAQ Consultants) while the PMP is intended for use by the layman (building owners, operators, etc.).

The presenter will be Steve Beck of LeChase Construction Services. Mr. Beck has been with LeChase for 16 years and is the Chief Sustainability Officer and Director of Science and Technology. Mr. Beck and his team are responsible for the turnkey delivery of cleanrooms and contamination controlled facilities, internal and outsourced commissioning services and support for all sustainable and/or LEED® certified projects. Mr. Beck is a LEED Accredited Professional (BD & C) and an Indoor Air Quality Certified Professional, a member of ASHRAE, the Design Build Institute of America and the Lean Construction Institute. He is a senior member of the Institute of Environmental Science and Testing and serves on Working Group Nano 200 and serves as a member of ASHRAE committees developing guidance on Indoor Air Quality and Building Metrics.

Cash or check payment still accepted at the door with your reservation.

Remember, as an option, we now have on-line payments available via PayPal.

<< ***Pay for Meeting Registration online via PayPal (no PayPal account required)*** >>

***Use the following link:*** <http://rochester.ashraechapters.org/meetings.html>

Please RSVP no later than noon Thursday February 9th to Tim Duprey

Phone: 585.402.5285 or Email: [dupreyt@ifsinc.net](mailto:dupreyt@ifsinc.net)

Respectfully,

*Tim, Attendance Chair*

### **Attention Members:**

Just a reminder that all members that reserve a spot for the monthly meeting will be responsible for that reserved space.

Members have until 12:00 pm the day of the RSVP deadline to cancel their meeting reservation.

Failure to comply with this rule will result in the attendee being responsible for the payment of that reservation.

ASHRAE Rochester Chapter Officers

## In Memorium



Theodore K. Knowles, Jr. (deceased December 23, 2011)

The ASHRAE Rochester Chapter lost one of its distinguished members this year. Mr. Knowles was a graduate from MIT in 1954 with a Mechanical Engineering degree.

After MIT, he served as a 1<sup>st</sup> Lieutenant in the US Army before starting his career in Engineering. Ted was an active participant in both the local ASHRAE Chapter and National level. In 1977-1978, Ted served as the Rochester Chapter President and was honored with the Rochester Engineer of the Year award in 1989.

During Ted's career he also served as the Grassroots committee chair of the CTTC from 1982 to 1986. In addition to Ted's involvement with ASHRAE he was a member and officer of the Rochester Rotary Club, and served on the Board of Directors for Highland Hospital, the American Red Cross, and First Federal Savings Bank.

Ted will be remembered in the ASHRAE community for his commitment, dedication, and participation to bettering our industry and local society. Those who had the opportunity to know or work with Ted during his career have been blessed with sharing in his knowledge and wisdom.

## ASHRAE Research Promotion

The 2010-2011 campaign is at the half way mark and Rochester is making good strides to achieve this year's goal. With the investment support of individuals and companies locally we can show ASHRAE our commitment to growing our industry through research.

This year is a special year for the Rochester Chapter in that ASHRAE Research Promotion is honoring Lynn Bellenger for her enthusiasm, boundless energy, sacrifice, and dedication of ASHRAE Society by printing Lynn's picture along with a special caption on this year's ASHRAE Commemorative Coin. All those who make an Honor Roll contribution will receive this coin. Minimum contribution to achieve Honor Roll status for an individual = \$100 and for a company = \$150).

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

2011-12 Rochester Chapter Research Donors			
Lynn Bellenger Memorial	ASHRAE Associate	Mr Jeffrey Close	Honor Roll Donor
Air Systems Balancing & Testing	Honor Roll Donor	Mr Robert Wind, Jr	Honor Roll Donor
Mr Thomas Piekunka	Honor Roll Donor	Mr Peter Oppelt	Honor Roll Donor
Mr Jeffrey Ellis	Honor Roll Donor	Ms Christina Walter	Honor Roll Donor
Mr Edward Burns	Honor Roll Donor	Mr Ronald Mead	Honor Roll Donor
Ms Michelle Sommerman	Honor Roll Donor	* Updated 01-30-2012	

If anyone is interested in contributing and would like to learn more, please contact me.

*Jeffrey Close - Research Promotion Chair*  
 jeff.close@pres-services.com or 585-289-6816

**Mission: To improve the quality of life and to answer tomorrow's questions through research TODAY.**

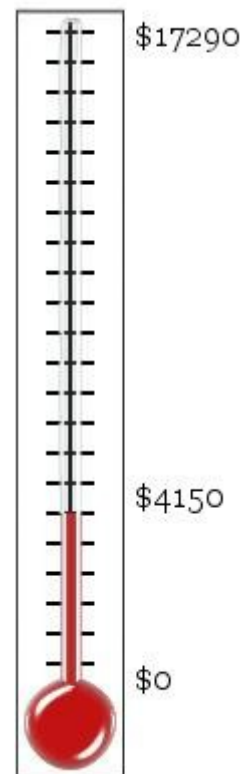
Over \$2million raised annually to help fund \$10million in research projects and student grant-in-aids.

Research is used to update the Society's standards and guidelines.

Contributions come from more than 6,700 members, non-members, and companies.

100% of all funds raised go directly to research projects that support the HVAC&R industry.

Active research projects are conducted all around the world at various universities and private organizations.





**Target Audience:**

- Any Direct or Indirect AM who has not had the opportunity to attend GTP
  - Perhaps a local new hire - that can't commit to 6-months at GTP
  - Someone who was promoted from within
  - A new hire that came from outside our industry
- Any BAS AE, PM, PA, Application Specialist or Estimator who wants to broaden their base in the fundamentals

**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 upon returning to their office. Past attendees have boosted their overall confidence and found many ways to apply their recently acquired knowledge.

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**2012 Course Offerings (Rochester, NY):** (these classes are 3-days; Tuesday - Thursday)

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- [ ] Feb 14-16 '**Airside Fundamentals-I**' (Load Design and Psychrometrics)
- [ ] Mar 13-15 '**Airside Fundamentals-II**' (Duct Design, Fans & Fan Laws & Acoustics)
- [ ] Apr 17-19 '**Refrigeration Fundamentals**' (Refrig Basics, Refrig Piping, Refrig & Our Environment)
- [ ] May 15-17 '**Systems Fundamentals**' (HVAC Systems, Dehumidification, IceStorage-LowTempAir, Bldg Pressurization)
- [ ] Jun 12-14 '**Energy Efficient Design Fundamentals**' (Chiller-Side, Air-Side, System Controls, Energy Recovery)
- [ ] Aug 7-9 '**Product Fundamentals**' (AHU, WSHP, RTU, Chillers, Fan Coils, UV)
- [ ] Sep 18 & Oct 2-30 '**Introduction to Air Conditioning Fundamentals**' (6-Tuesday evening series covering each of the above topics in a 3-hour 'big-picture overview')

*Note: For more information about each of these classes, log onto [BeckerLearning.com](http://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: [Joe@BeckerLearning.com](mailto:Joe@BeckerLearning.com)

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**More Details for 3-day courses:**

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**Where:** We will hold the 3-day classes at a Homewood Suites Hotel in the greater Rochester area - exact location to be determined no later than 2-weeks prior to the start of class. You will be able to reserve a room for the Becker Learning rate of \$104/night if you tell them you are part of the Becker Learning group.

\* Class Registration: 10 or less, **Henrietta** - 2095 Hylan Drive, Rochester, NY 14623 - (585) 334-9150

\* Class Registration: >10, **Greece** - 400 Center Place Drive, Rochester, NY 14615 - (585) 865-8534

**Time:** We will start each morning at 8:00 AM and end by 5:00 PM (except Thursday when we end by 4:00 PM for travelers)

**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 as early as 5:15 p.m. on Thursday since both of our Hotel locations are less than 10-minutes from the airport.

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**More Details for 6-night Fall Intro Series:**

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**Where:** The specific Henrietta, NY location will be decided no later than 2-weeks before the class & attendees will be emailed the appropriate information with plenty of notice. The class will run from 5:00 - 8:00 pm. No meal is provided, so attendees should catch dinner before the class starts.







# ASHRAE Student Membership Application

## What You'll Get With Your ASHRAE Student Membership!

### What's "Cool" In ASHRAE

- ASHRAE promotes energy efficiency, savings and recovery
- ASHRAE reports on building controls, automation and integration
- ASHRAE focuses on green building issues and green technology
- ASHRAE maintains standards for indoor air quality
- ASHRAE promotes solar and other alternative energy sources
- ASHRAE offers certification programs, online learning opportunities and courses and seminars at ASHRAE Conferences

### How Can ASHRAE Help You?

- Provide access to new technology
- Offer professional development opportunities
- Create opportunities for networking
- Offer online continuing education programs and eLearning programs

### Student Member Benefits

- Access to members-only web pages
- Discounts on ASHRAE Handbooks
- Monthly ASHRAE Journal - print and digital
- HVAC&R Industry and Society Connections eNewsletters
- Complimentary ASHRAE Annual and Winter Conference registration (AHR Expo, Student Program, Technical Sessions)
- Virtual online HVAC&R resume posting, job and internship searching program

### ASHRAE Student Member Opportunities

- Society and chapter-level scholarships for both undergraduate and graduate engineering students
- Discounts for student members on select publications, go to [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore) for more information
- Student Design Competition
- Networking with local ASHRAE Chapters
- Senior Undergraduate Project Grant Program
- At the student branch level, you'll enjoy meeting other students with similar interests - if your school hasn't yet started a student branch, take charge and contact a faculty member and ask for help on getting started!

You can continue your student membership after college with the ASHRAE SmartStart Program. After you graduate, you pay \$20 for the first year, \$50 for the second and the third years before advancing to regular member dues!

**Join ASHRAE students on Facebook  
Visit [www.ashrae.org/students](http://www.ashrae.org/students) to join!**



FIRST NAME:

LAST NAME:

DATE OF BIRTH (mm/dd/yyyy)

**Current Mailing Address: (this will be where all correspondence will be sent unless otherwise specified)**

Street Address: \_\_\_\_\_ Apt. # \_\_\_\_\_ City: \_\_\_\_\_

State/Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_ Country: \_\_\_\_\_

Email: \_\_\_\_\_ Alternate email: \_\_\_\_\_ Phone: \_\_\_\_\_

**Permanent Mailing Address: (during the Summer Months and after graduation)**

Check if Current Address is the same as Permanent Address

Street Address: \_\_\_\_\_ Apt. # \_\_\_\_\_ City: \_\_\_\_\_

State/Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_ Country: \_\_\_\_\_

Email: \_\_\_\_\_ Alternate email: \_\_\_\_\_ Phone: \_\_\_\_\_

ASHRAE protects contact information provided by its members and customers. To view ASHRAE's privacy policy visit [www.ashrae.org/privacy-policy](http://www.ashrae.org/privacy-policy).

**All student applicants must have the name and member number of an ASHRAE member serving as their student sponsor. If your Student Branch Advisor is an active Associate or Full member, he/she can serve as your sponsor. If you need assistance locating a sponsor, please email [students@ashrae.org](mailto:students@ashrae.org) or call 678-539-1212. Also, you must list the name, phone and email address of your faculty advisor or course instructor.**

Sponsor Name: \_\_\_\_\_ ASHRAE Member #: \_\_\_\_\_

Advisor/Instructor: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_

To receive your subscription to the ASHRAE Journal, please answer the following questions by entering the appropriate codes in the spaces provided.

Which best describes your firm? \_\_\_\_\_

- 11. Consulting Engineering
- 12. Architect/Architectural & Eng Services
- 15. Design/Build
- 21. Contractor
- 26. Property Mgmt & Dev
- 31. Industrial Facility
- 41. Commercial Facility
- 42. Government, Healthcare, Education
- 43. Utility
- 51. Manufacturer/HVAC&R Equipment
- 61. Manufacturer's Representative
- 62. Sales Engineering
- 71. Wholesaler or Distributor
- 83. Library
- 84. Technical, Professional or Trade Association
- 86. Student \*\*\*
- 91. Other (Please Specify) \_\_\_\_\_

Which best describes your title? \_\_\_\_\_

- B. President
- C. Partner
- D. Associate
- E. Owner
- F. Vice President
- G. Vice President Eng, Chief Engineer
- K. Design Engineer
- L. Project/Application Engineer
- O. Facility Engineer/Manager
- P. Research/Development Engineer
- R. Sales Engineer, Sales
- S. Purchasing Agent
- T. Draftsperson
- U. Estimator
- W. Technician
- X. Instructor, Professor
- Y. Student \*\*\*
- Z. Librarian
- ZZ. Other (Please Specify)

ASHRAE Society Dues include \$6.00 for ASHRAE Journal. This amount is not deductible from Membership dues.

I would like to participate in the activities of the \_\_\_\_\_ ASHRAE Chapter.

**School Name:** \_\_\_\_\_

Street Address: \_\_\_\_\_ City \_\_\_\_\_ State: \_\_\_\_\_

Country: \_\_\_\_\_ Postal Code \_\_\_\_\_

Expected Graduation Date: \_\_\_\_\_

Full time:  Part time:  Degree: \_\_\_\_\_

\*Classification: Freshman  Sophomore  Junior  Senior  Masters/PhD.

**ASHRAE Student Membership** \$20.00 USD

**ASHRAE Handbook - Fundamentals**  IP  SI

(you will receive the most current edition of Fundamentals)

More than 900 pages of HVAC&R technical information and it includes the CD! (List Price \$195)

Student Member Price: \$49.00 USD \$ \_\_\_\_\_ USD

Total \$ \_\_\_\_\_ USD

\*Additional books are available at [ashrae.org/studentbookstore](http://ashrae.org/studentbookstore)

\*Please allow up to 30 days to receive new member packets. For U.S. book orders, allow 3-5 business days from processing. For international locations and Canada, allow 7-10 business days from processing.

**\*\*Please complete the ENTIRE application to ensure accuracy. Incomplete applications will NOT be processed.\*\***

Method of payment:  VISA / Master Card  American Express  Diner's Club  Check or money order enclosed\*

Card Number: \_\_\_\_\_ Expiration Date \_\_\_\_\_ CW No. \_\_\_\_\_ Amount: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name (as it appears on card): \_\_\_\_\_

**\*Checks will be accepted in U.S and Canadian funds. Credit Card payments will be accepted in U.S. funds only.**



## ROCHESTER CHAPTER COMMITTEE REPORT 2012 January 20

### MISSION STATEMENT

The primary objective for the YEA Committee is to enhance our member benefits for young professional ASHRAE members by identifying activities and services focused on their needs.

- National YEA Committee

### YEA Technical Session - Fundamentals of Water System Design

Date	Topic	Instructor	Location	Time
3/5/2012	Chapter 1: Water System Design Concepts Chapter 2: Piping System Design	John DeBarge Turner Engineering	TBD	6:00 PM (2 Hours)
3/12/2012	Chapter 3: Pipe Materials and Fittings Chapter 4: Centrifugal Pumps	Al Rodgers Pathfinder Engineers and Architects	TBD	6:00 PM (2 Hours)
3/19/2012	Chapter 5: Terminal Unit Performance and Control Chapter 6: Expansion Tanks and Air Elimination	Andy Butler Modular Comfort Systems	TBD	6:00 PM (2 Hours)
3/26/2012	Chapter 7: Piping System Development Chapter 8: Matching Pumps to Systems	Bill Murray, Jr EC4B Engineering	TBD	6:00 PM (2 Hours)
4/2/2012	Chapter 9: Water Chillers and Load Control	Pat Whelan Trane	TBD	6:00 PM (2 Hours)

**Reserve your spot with advance payment by Monday, February 13<sup>th</sup> to receive the student course book.**

### HOW TO ENROLL—You Must be an ASHRAE Member to Participate.

**ASHRAE Member: \$60** (Normally \$128 through ASHRAE's self study texts)

Pizza and soda will be provided for participants. Location will be determined based on class size.

If your office is willing to host, send an email to:

Chris Lukasiewicz ([clukasiewicz@turnerengineering.com](mailto:clukasiewicz@turnerengineering.com)) or Jaimee Reynolds ([jreynolds@pathfinder-ea.com](mailto:jreynolds@pathfinder-ea.com))

Please reserve your spot by Monday, Feb 13 by sending a \$60 check (for ASHRAE—Rochester Chapter) to:

Rochester Engineering Society  
Attn: YEA Technical Session  
150 State Street  
Rochester, New York 14614-1307

Please include your name, company, and email address so that we can confirm that we have received your reservation. For multiple reservations, please include the proper payment with a list of the attendees.

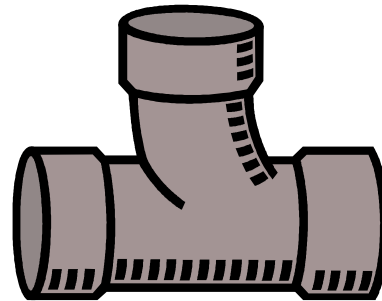
# Fundamentals of Water System Design Class

## March 2012

### What You Will Learn

You will develop an understanding of the basic concepts of hydronic system operation and design including piping systems, pipe materials and fittings, centrifugal pumps, terminal units, expansion tanks and water chillers. After completing the course, you should know:

- The components of closed and open hydronic systems.
- The basic concepts of piping system design.
- The different types of pipe used in hydronic systems.
- How centrifugal pumps operate.
- How to match pumps to systems.
- What variables are involved in terminal unit control.
- How to optimize water chiller operation.



### Course Content

- **Water System Design Components** -- Introductory concepts, basic system components, heat transfer in hydronic systems and load systems.
- **Piping System Design** -- Basic considerations, design philosophy, sizing piping, and flow rate measurement.
- **Pipe Materials and Fittings** -- Pipe materials, corrosion, valves and fittings, backflow-prevention devices, and pipe selection.
- **Centrifugal Pumps** -- Types of pumps, pump selection and system design considerations.
- **Terminal Unit Performance and Control** -- Types of terminals, performance and control, system control characteristics, and system control configurations.
- **Expansion Tanks and Air Elimination** -- Open and closed water systems, hydronic accessories, and sizing expansion tanks.
- **Piping System Development** -- Piping system design, direct return analysis, primary-secondary analysis, types of pumps and valves, primary-secondary application study, antifreeze solutions for low temperature applications, and pumping design factors.
- **Matching Pumps to Systems** -- Matching the pump to the system, parallel pumping, series pumping, standby pumps, trimming pump impellers, two-speed pumping, variable speed pumping and source distribution pumping.
- **Water Chillers and Load Control** - Basic water chiller components, refrigeration cycle, heat transfer chiller, refrigeration power, chiller types and control, chiller piping arrangements, chiller energy performance and thermal storage.

## REQUEST FOR ASSISTANCE WITH ASHRAE/ROCHESTER HISTORY PROJECT

ASHRAE Rochester Chapter Historian, Lee Loomis is embarking upon a project to develop a written history of our Chapter, and he needs your help. If you have any pieces of ASHRAE/Rochester Chapter history; photos, slides, reports, meeting minutes (Committee Meetings, Chapter Meetings or Board of Directors Meetings), event programs (seminars, trade shows, workshops, etc.), please consider offering them to Lee for his project. You may have any of this material returned, if you'd like, otherwise Lee will inventory it, saving that which is memorable, and digitizing some of it, as necessary. So, as you search through your attics, basements and garages, looking for whatever Santa might have hidden for you, and you stumble across some old "ASHRAE Treasures", please drop Lee an e-mail ([leeloom@aol.com](mailto:leeloom@aol.com)), telling him of your discovery, and how he might retrieve it for his project. Remember, in this quest for ASHRAE/Rochester history, there is NO SUCH THING AS JUNK; it's all "TREASURE" until he's had a chance to sort it out. Thanks for your help with this important ASHRAE/Rochester history project.

**Lee M. Loomis**, Historian  
ASHRAE/Rochester Chapter



**ASHRAE's**  
**5th Annual Valentine's Dinner Dance**

*Indulge your senses at the enchanting...*

*Inn on Broadway  
26 Broadway  
Rochester, NY 14604*

Date: Friday, February 10, 2012  
7:00 p.m. Reception – Hors d'oeuvres  
8:00 p.m. Dinner – As you selected  
9:15 p.m. – Dessert, Coffee, and Dancing

**Menu Selections:**

Grilled 8 oz Beef Tenderloin with Béarnaise Sauce  
Lemon-Thyme Chicken with a Creamy Lemon and Thyme Sauce  
Grilled Swordfish topped with Honey-Lemon Butter  
Pasta Primavera, Sautéed seasonal vegetables tossed with garlic, fresh basil, olive oil  
and penne pasta

For reservations, please mail or fax this registration form by February 3, 2012.

Please make checks payable to: Rochester Chapter ASHRAE and mail to:

ABR Wholesalers, Inc., Attn: Jody McGarry,  
510 North Goodman St  
Rochester, NY 14609  
Phone: (585) 482-3601 Fax: (585) 482-6698

**PLEASE CIRCLE ONE MEAL SELECTION:**

Name: \_\_\_\_\_ Beef – Chicken – Fish – Vegetarian

Name: \_\_\_\_\_ Beef – Chicken – Fish – Vegetarian

Number of people \_\_\_ x \$65.00\* per person = \$ \_\_\_\_\_ (enclosed)

\*Special price of \$50 per person for member of the Y.E.A



# ASHRAE

*Technology for a Better Environment*

November 28, 2011

Dear ASHRAE Members,

On Friday, February 10, 2012, ASHRAE will be hosting its 55th Annual Valentine Dinner Dance.

This special event will be held at the Inn on Broadway on Friday, February 10, 2012. ASHRAE is asking for your corporate support to donate \$325.00, billed to you as an advertising expense, to help defray the cost of this event. We know that it has been a challenging year, but your sponsorship will enable us to provide you with lively entertainment, a delicious meal, special desserts, and an evening with friends and colleagues you won't soon forget.

As always, we will be offering two complimentary dinners to corporate sponsors. Your sponsorship will be listed in the dinner program and dance flyers, as well as being listed in a full-page advertisement in the R.E.S monthly publication. You will certainly be recognized by your peers as an ASHRAE supporter.

An invoice is attached for your convenience. We thank you for your support and look forward to sharing this fantastic evening with you!

Very truly yours,

Jody McGarry  
ABR Wholesalers  
Valentine Dance Committee

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*American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.*

A N I N T E R N A T I O N A L O R G A N I Z A T I O N





# ASHRAE

Technology for a Better Environment

## Invoice

Advertising for February 2012 Promotion

\$325

Please make check payable to: ROCHESTER CHAPTER ASHRAE and mail to:

Rochester Chapter ASHRAE  
c/o ABR Wholesalers, Inc.  
ATTN: Jody McGarry  
510 North Goodman Street  
Rochester, NY 14609

## Commitment

We would like to support the Rochester ASHRAE 2012 Promotion and agree to fulfill our commitment by March 1, 2012.

Company Name\_\_\_\_\_

Signed by\_\_\_\_\_

Date signed\_\_\_\_\_

Please return your check or commitment to ABR Wholesalers, Inc. Thank you.

***\*Don't forget...you will receive two complimentary dinners  
to attend our Valentine Dinner Dance!***

*American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.*

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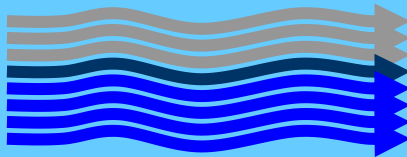
A N I N T E R N A T I O N A L O R G A N I Z A T I O N



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 Chapter President, Jeff Ellis (585.232.3440) or by email [ellis@airsystemsbalancing.com](mailto:ellis@airsystemsbalancing.com)

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



## R.F. PECK CO., INC

889 ATLANTIC AVE  
ROCHESTER, NEW YORK 14629  
Phone: (585) 697-0836 Fax: (585) 697-0839

### Engineered Products Salesman

The R.F.Peck Company is a commercial HVAC manufacturer's representative firm serving Upstate New York, Vermont and Western Massachusetts for over fifty years. We are looking for an energetic, self-starting, Engineered Products Salesman for the Greater Syracuse Area. A mechanical engineering degree is preferred but not required.

Email resume to [jbrowe@rfpeck.com](mailto:jbrowe@rfpeck.com).



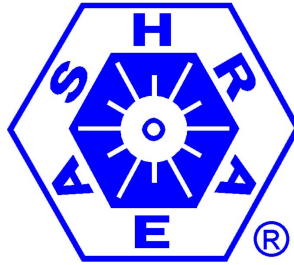
*A talent for design—A sense for people*

### Senior Mechanical Engineer (HVAC)/ Department Manager

Turner Engineering is a multi-disciplined consulting engineering company based in East Rochester, NY. We provide HVAC, plumbing, fire protection, electrical, and communications engineering services for the construction industry. [www.TurnerEngineering.com](http://www.TurnerEngineering.com). We design the systems that make health care, institutional, commercial, educational, municipal, and mission-critical facilities efficient, comfortable, and safe.

We are a growing firm and require a Senior Mechanical HVAC Engineer with 8+ years of related experience to lead and manage the mechanical HVAC department. Ideal candidates are energetic, driven, efficient and looking to grow with the organization. Candidates must also be willing to perform the responsibilities associated with a senior engineer. Responsibilities include, but are not limited to: design, calculations, and coordination of HVAC systems for new construction, renovations, and energy upgrades. Responsibilities also include managing, leading and training junior staff. We offer competitive compensation packages and benefits. A detailed job description can also be viewed at [www.turnerengineering.com/careers/open-positions](http://www.turnerengineering.com/careers/open-positions)

Email resumes to [bpitts@turnerengineering.com](mailto:bpitts@turnerengineering.com)



**AMERICAN SOCIETY OF HEATING, REFRIGERATING  
AND AIR CONDITIONING ENGINEERS**

**ROCHESTER, NEW YORK CHAPTER**

January 6, 2012 - 12 Noon

LOCATION: ABR Wholesalers  
Rochester, NY

President	Jeffrey Ellis	X
President Elect/Program	Michelle Sommerman	
Vice President/Tech Session	Robert Wind	X
Secretary Picnic/Golf	Ed Burns	X
Treasurer	Christina Walter	X
Immediate Past President/CRC	Jim Browe	
Awards/Student Activities	Al Rodgers	
Buyers Guide	Chuck White	
Hiistorian	Lee Loomis	
Board of Gov. (1) Membership	Bill Clark	X
Board of Gov. (1)	Beth Smith	X
Board of Gov. (1) Newsletter	Jaimee Reynolds	X
Board of Gov. (2)	Eric Smith	X
Board of Gov. (2) Research	Jeff Close	
Board of Gov. (3)	William Murray	
Board of Gov. (3) Attendance	Tim Duprey	
Website	Kevin Wind	
Refrigeration	Michael Nohle	
Nominating	Jeff Davis	
Valentine's Dance	Jody M. McGarry	
Publicity	Mark Kukla	
YEA	Chris Lukasiewicz	X

# Meeting Minutes

**Roll Call:** The above noted individuals were present.

**Call to Order:** 12:00 pm by Jeff Ellis

**Minutes:**

Previous Meeting minutes approved.

**Treasurer Reviewed Budget:**

Report submitted by Chris Walter. Paypal transferred ok. Check to be cut to research for current year Lynn Bellenger / past Presidents.

**Program Tech Sessions:**

Technology transfer committee. Technology award submitted to Al Rodgers from Jeff Davis. Nominating -> committee members

**Membership** – 1 new member. Mr. Tom Hyzen RIT. 239 total members, 11 delinquent. RES mailing list Bill Clark will be sending Lynn at RES an updated reconciled list to mitigate unnecessary postage costs.

**Attendance** – Tim submitted report. 87 attendees at the December meeting. 93 paid, 7 no-shows. November meeting shared profits with AEE total \$83.16. ASHRAE chapter to reimburse AEE.

**Student Activities** – 4 students to attend ASHRAE in Chicago. Chapter to reimburse hotel only.

**YEA** – Group learning all set and scheduled for 3/5/2012. “Fundamentals of Water System Design” cost \$60.00 5 sessions. Instructors John DeBarge, Andy Butler, Al Rodgers, Bill Murray & Pat Whalen.

**Research** – December behind from last year. \$1050 dollars current. Research coin this year will have Lynn Bellenger on it.

**Refrigeration** – No report

**News Letter** – Nice job Jaimee, everything is looking good.

# Meeting Minutes (continued)

**Buyers Guide** – Announcement to be sent out notifying buyers guide is up and online. Deadline date required for Buyers Guide advertisement. Everything looks good.

**Historian** – No report. Lee is looking for submissions for any type of Rochester Chapter history material etc.

**Valentines Dance** – All set for 2/10/2012. Invitations are going out. 5 sponsors to bate. Typically the event has 20 sponsors.

**Picnic** - All set for May 15<sup>th</sup>. Ed has requested volunteers for committee. Current committee consists of Jeff Close, Jim Browe & Ed Burns. First meeting to take place in March.

**Old Business** – Students attending winter meeting in Chicago. January meeting Lynn Bellenger remembrance. Also remembrance in recognition for Ted Knowles & Dean Stanley need to be addressed.

**New Business** – ASHRAE – Resolution Lynn Bellenger

**Next Meeting:** February 13<sup>th</sup> at 10:00 am Location: Mario's  
The meeting was adjourned



## WELCOME TO OUR NEW MEMBERS

Mr Larry Bell  
Mr Thomas Richard Hyzen  
Ms Michelle Pigula  
Mr Ali I Raza  
Mr Peter Tarnawsky

B&B Mech Contractors, Inc.  
RIT  
TH Herman Inc  
Labella P.C  
Student

### 2011-2012

Chapter #	Chapter Name	Chapter Members	Member Promotion	Student Activities	Research Promotion	Chapter Technology Transfer	History	Chapter Operations	Chapter PAOE Totals
11	Rochester	243	210	175	705	50	110	50	1300

# Society News— Fellow ASHRAE Members

For Release:  
Jan. 21, 2012

Contact: Amanda Dean  
Public Relations  
678-539-1216  
[adean@ashrae.org](mailto:adean@ashrae.org)

Shaping Tomorrow's  
Built Environment Today

## ASHRAE Recognizes Outstanding HVAC&R Industry Achievements

CHICAGO— Thirty-six people are being recognized by ASHRAE for their contributions to the Society and the building industry at the Society's 2012 Winter Conference held here Jan. 21-25.

The Hall of Fame, honors deceased members of the Society who have made milestone contributions to the growth of HVAC&R technology.

The recipient is Presidential Member Roderick Kirkwood, Fellow ASHRAE, Life Member.

**Fellow ASHRAE is a membership grade that recognizes distinction in the arts and sciences of environmental technology and is earned through achievement as a researcher, designer, educator or engineering executive. The Society elevated 13 members to the grade of Fellow ASHRAE:**

- **Constantinos Balaras** is research director, Institute for Environmental Research and Sustainable Development, National Observatory of Athens, Greece.
- **Van Baxter** is senior research and development engineer, Oak Ridge National Laboratory, Oak Ridge, Tenn.
- **Vin Gupta** is senior principal engineer, 3M Company, St. Paul, Minn.
- **Mark Modera** is professor, civil environmental engineering, mechanical and aerospace engineering, and director, Western Cooling Efficiency Center, University of California at Davis.
- **Darin Nutter** is associate professor of mechanical engineering, University of Arkansas, Fayetteville.
- **Tom Phoenix** is principal and vice president, Moser Mayer Phoenix Associates, Greensboro, N.C.
- **Arshad Sheikh** is owner/principal consultant, SES Consulting Engineers, Lahore, Pakistan.
- **Edward Vineyard** is group leader, building equipment research, Oak Ridge National Laboratory, Oak Ridge, Tenn.
- **Iain Walker** is scientist, Lawrence Berkeley National Laboratory, Berkeley, Calif.
- **Brian Warwicker** is consultant, Brian Warwicker Partnership, Ltd., London, U.K.
- **Bill Worek** is professor and director, Energy Technology Laboratory, University of Illinois-Chicago
- **Xudong Yang** is Chang-Jiang professor and deputy director, Institute of Built Environment, School of Architecture, Tsinghua University, Beijing, China
- **Jianshun Zhang** is professor and director, building energy and environmental systems lab, department of mechanical engineering and aerospace engineering, Syracuse University, Syracuse, N.Y.

# Society News— HVAC&R Industry Awards

The ASHRAE Technology Awards recognize outstanding achievements by members who have successfully applied innovative building designs, which incorporate ASHRAE standards for effective energy management and indoor air quality.



Six projects received first-place ASHRAE Technology Awards:

•**Roland Charneux**, P.Eng., ASHRAE Fellow, ASHRAE Certified Healthcare Facility Design Professional, Pageau Morel & Associates, Montreal, Quebec, Canada in the new commercial buildings category for Mountain Equipment Co-op, Longueuil, Quebec, Canada. The building is owned by the co-op

•**Ken Sonmor**, Ecovision Consulting, Montreal, Quebec, Canada in the existing commercial buildings category for the IKEA Brossard Distribution Center, Quebec, Canada. The building is owned by IKEA Distribution Services.

•**René Dansereau**, Dessau, Longueuil, Quebec, Canada the new educational facilities category for the Université de Sherbrooke—Campus de Longueuil, Quebec, Canada. The building is owned by the university.

•**Paul Marmion**, Stantec Consulting, Ltd., Vancouver, British Columbia, Canada in the new health care facilities category for Abbotsford Regional Hospital and Cancer Centre, British Columbia, Canada. The building is sponsored by Laing Investments Management Services and owned by the hospital.

•**Blake Ellis**, P.E., Burns & McDonnell, Kansas City, Mo. in the new industrial facilities or presses category for thermal energy storage at Texas Meidcal Center, Houston, Texas. The owner is Thermal Energy Corp.

•**Luc Simard**, Compressor Systems Control (CSC), Inc., Les Coteaux, Quebec, Canada in the existing industrial facilities or presses category for the Arena Marcel Dutil, St-Gédéon-de-Beauce, Quebec, Canada. The building is owned by the Municipalite St-Gédéon-de-Beauce.

The ASHRAE Student Design Project Competition challenged teams of students to create an integrated sustainable building design as well as select and design HVAC&R systems for the Drake Well Museum located in Titusville, Pa., the site where Edwin L. Drake drilled the world's first oil well in 1859 and launched the modern petroleum industry.

**First place in HVAC System Design** is awarded to Holly Brink, Michael Crabb, James Dougherty, Andrew Gilliam and Gina Halbom of University of Nebraksa-Omaha.

**First place in HVAC System Selection** is awarded to Lynn Gualtieri, Evan Oda, Kristin Porter, Navid Saiidnia, Jeffrey Wong and Cameron Young of California Polytechnic State University, San Luis Obispo, Calif. First place in the Integrated Sustainable Building Design is awarded to Qi Te, Zhang Qiqi and Chen Yuanyi of Tianjin University, China.

The **John F. James International Award** is given to an ASHRAE member who has done the most to enhance the Society's international presence. The recipient is Edward Ka Cheung Tsui, managing director, Intelligent Technologies, Ltd., Hong Kong, Hong Kong.

The **E.K. Campbell Award** honors outstanding achievements by engineering educators and is presented by the ASHRAE Life Members Club. The recipient is Wayne Helmer, Ph.D., P.E., professor of mechanical engineering, Arkansas Tech University, Russellville, Ark.

ASHRAE, founded in 1894, is a building technology society with 52,000 members worldwide. The Society and its members focus on building systems, energy efficiency, indoor air quality and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow's built environment today.

Editors Note: Individual releases and photographs for each award recipient are available upon request starting the week of Jan. 30.

# Society News—ASHRAE & IAPMO

For Release:  
Jan. 26, 2012

Contact: Jodi Scott  
Public Relations  
678-539-1140  
[jscott@ashrae.org](mailto:jscott@ashrae.org)



## **ASHRAE, IAPMO Sign MOU to Advance Built Environment Codes and Standards**

ATLANTA – ASHRAE and the International Association of Plumbing and Mechanical Officials (IAPMO) have entered into a Memorandum of Understanding (MOU) specifically detailing ways in which the two organizations can work together to advance and promote mutual interests in built environment codes and standards.

The MOU was signed during ASHRAE's 2012 Winter Conference held this week in Chicago.

"With ASHRAE's expertise in HVAC&R engineering, and IAPMO's expertise in plumbing and mechanical codes, our joint efforts will ensure that the design, construction, reconstruction and operation of buildings meet the built environment needs in codes and standards," ASHRAE President Ron Jarnagin said.

"IAPMO and ASHRAE enjoy a long history of working together in the interests of promoting health, safety and sustainability through the codes and standards that govern mechanical systems," said IAPMO President Dan Daniels. "I am pleased that this MOU will ensure our two organizations continue to strengthen each other and subsequently strengthen our industry."

"IAPMO is delighted to be working more closely with ASHRAE in our efforts to promote our standards and services throughout the world," said IAPMO CEO GP Russ Chaney. "This MOU provides both organizations with the basis to expand our already close and mutually beneficial relationship as we continue to collaborate together."

The MOU outlines several areas in which ASHRAE and IAPMO will work together, including:

- Collaborating on common public affairs goals, such as joint promotion of codes and standards at the local, state and federal levels; and promotion of mutually beneficial positions during the development and passage of state and federal legislation.
- Exploring opportunities to co-develop new courses or other training programs that take advantage of overlapping and complementary expertise.
- Fostering technical cooperation in areas of common interest by providing opportunities to participate in and comment on proposed standards, guidelines, policies and position statements developed on technical subjects as they relate to buildings and community developments; exploring ways to use ASHRAE standards in IAPMO codes, including derivative documents developed for use outside the U.S.; and investigating the feasibility of creating a coalition of U.S. codes and standard organizations to promote the international use of standards and codes developed by coalition participants.
- Promoting research in areas where research results will add to the body of knowledge in codes and standards.
- Disseminating research results quickly, focusing on high-impact findings.
- Identifying opportunities for research funding from other sources

ASHRAE, founded in 1894, is a building technology society with more than 50,000 members worldwide. The Society and its members focus on building systems, energy efficiency, indoor air quality and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow's built environment today.

Founded in Los Angeles in 1926, IAPMO has grown to be recognized the world over for its Uniform Codes. With offices in 12 U.S. states and 13 countries, IAPMO has assisted with code development in such diverse places as Saudi Arabia, China, India, Jordan, Egypt, Israel, Vietnam, Indonesia, Philippines, Venezuela, Colombia, and the United Arab Emirates. For more information, visit [IAPMO.org](http://IAPMO.org).



# Society News— Green Standard 189.1-2011

ATLANTA – Changes to help make buildings and systems more sustainable are part of the newly published version of the high performance green building standard from ASHRAE, the U.S. Green Building Council (USGBC) and the Illuminating Engineering Society (IES)

ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings, provides a green building foundation for those who strive to design, build and operate high performance buildings. It covers key topic areas of site sustainability, water-use efficiency, energy efficiency, indoor environmental quality and the building's impact on the atmosphere, materials and resources. When first introduced in 2009, the standard was the first code-intended commercial green building standard in the United States.

“Since Standard 189.1 was first published, we have received much input from the industry offering suggestions on how to strengthen it in all areas,” chair Dennis Stanke said. “This 2011 version incorporates much of that input. More importantly, the 2011 version incorporates updated connections to its referenced standards – primarily ANSI/ASHRAE/IES 90.1-2010 and ANSI/ASHRAE 62.1-2010. Compliance with these updated provisions will result in further improvements to indoor environmental quality, while further reducing energy use and environmental impact through high-performance building design, construction and operation.”

The most significant change in energy-related provisions results from new requirements in ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings, adding to and superseding requirements in the 2007 version. In October 2011, the U.S. Department of Energy found that the 2010 version of Standard 90.1 contains significant energy savings over the 2007 standard. The energy savings in the Standard 90.1-2010 provisions also result in energy savings for building projects complying with Standard 189.1, according to Stanke.

In addition, mandatory and prescriptive renewable energy requirements were clarified to reduce confusion and simplify calculations; now both mandatory provisions to prepare for on-site renewable energy and provisions to produce prescribed levels of renewable energy must be met. Additionally, buildings that meet the prescriptive requirement for renewable energy production are now deemed to comply with the mandatory requirement for renewable energy site-preparation.

The standard also updates the performance option for energy efficiency (Appendix D) so that it refers to Appendix G of Standard 90.1-2010, which is now a normative appendix. Appendix G of 90.1 applies to projects seeking to reduce annual energy cost more than would be possible by merely meeting the requirements of that standard. Appendix D in Standard 189.1, on the other hand, provides a performance option for compliance as an alternative to the less-complex prescriptive option; it must show that the project design results in annual energy cost equal to or less than would be possible by meeting the mandatory plus prescriptive requirements of the standard, according to Stanke.

Additional changes to the 2011 standard include:

- More stringent Lighting Power Density allowances due to the change in reference to Standard 90.1-2010. Both interior and exterior values are now set as a percentage of the Standard 90.1 allowances, based on building, space or area type.
- Automatic controls are now required for lighted signs visible during daytime hours; controls must reduce the lighting power to 35 percent of full power. For other outdoor signs, automatic controls must now turn off lighting during daytime hours and reduce the lighting power to 70 percent of full power after midnight.
- Open-graded (uniformed size) aggregate and porous pavers (e.g., open-grid pavers) qualify as a hardscape surface for heat island mitigation with no further testing. Permeable pavement and permeable pavers must meet a minimum percolation rate rather than a minimum solar reflectance index (SRI).

Standard 189.1 is currently a jurisdictional compliance option in the International Green Construction Code developed by the International Code Council, ASTM International and the American Institute of Architects.

The cost of ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings, \$119 (\$99 ASHRAE members).

To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400

*Welcome to ASHRAE's Government Affairs Update. Along with the 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.*

*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](mailto:washdc@ashrae.org).*

## **ASHRAE Government Affairs Update, 1-27-2012**

[New Website for Government Affairs Office](#)

[Grassroots Activities – Regions, Chapters, and Members – Are Indispensable to Realizing Positive Public Policy](#)

[Available Now! ASHRAE Issues Update Seminar: U.S. State Building Energy Codes Legislation and Regulations](#)

[Building Energy Efficiency Spotlited in President Obama's State of the Union Address](#)



### **New Website for Government Affairs Office**

In keeping with ASHRAE's recent rebranding, announced during the Winter Meeting, the Government Affairs website has a new look – and a new URL. When you visit [/government-affairs](#), you'll find an easier-to-navigate, one-stop-shop resource to meet your ASHRAE public policy needs. From Capitol Hill to the city council, we've got you covered – and keep your eyes peeled in the weeks and months to come for updates, new material, and more.

## **Grassroots Activities—Regions, Chapters and Members—Are Indispensable to Realizing Public Policy**

To date (January 25), 33 of the 47 legislatures (including the District of Columbia’s Council) meeting in regular session this year – the legislatures in Montana, Nevada, North Dakota, and Texas are not slated to meet in 2012 – have convened and are already discussing measures of import to ASHRAE at both a Society and chapter level – and at a stunning rate. Through utilization of a new monitoring service, **nearly 800 bills** have been pinpointed by ASHRAE Government Affairs staff as relating to building energy codes and standards; “green” building; engineer licensure; science, technology, engineering, and mathematics (STEM) education; indoor air quality; “smart grid”; and more – all issues of interest to ASHRAE members.

However, success at the grassroots level requires that communication be a two-way street. While staff can serve as a clearinghouse and dissemination point of policy information in the states, provinces, or localities, *we need your help* in tracking what is going on – especially relative to proposed code changes or issues regularly taken up by state agencies or boards (e.g., PE licensure, continuing education). What works in Kentucky may work in Minnesota, so Government Affairs staff must be kept abreast of the goings-on so that we can provide you with the appropriate tools, contacts, coalition partners, etc., to stimulate adoption of pro-ASHRAE public policy.

This is a great means by which ASHRAE staff can help ASHRAE members “on the ground” to be kept up-to-speed on these issues. Not only is this a way for ASHRAE members to become engaged in the public policy process, but it presents a terrific opportunity for personal and professional development; you can take part in effecting positive change while, making yourself more valuable as a technical and policy expert within your community and within your firm/organization – and within your ASHRAE chapter.

If you would like to become a more complete ASHRAE member, please consider becoming a grassroots “champion.” To learn more and to be brought up-to-date on policy concerns of the greatest import to the HVAC&R professionals in your area, please contact the Government Affairs Office at [washdc@ashrae.org](mailto:washdc@ashrae.org) or call (202) 833-1830 and ask for Mark Wills (Manager, State and Local Government Affairs).

## **Available Now! ASHRAE Issues Update Seminar: US State Building Energy Codes Legislation and Regulations**

Just days ago four regional experts presented on U.S. building energy codes legislation and regulation at ASHRAE’s Winter Conference in Chicago, Illinois. You can listen to and view their presentations on timely issues of interest to ASHRAE members at <http://ashraem.confex.com/ashraem/sessiontechprogram.cgi?username=6194&password=114008&wrfredirect=0>

In addition to the Issues Update Seminar, there are some 200 plus presentations available for on-demand viewing in the ASHRAE Chicago Virtual Conference. To view the technical program, which was presented Sunday, Jan. 22, through Wednesday, Jan. 25, go to [www.ashrae.org/ChicagoOnline](http://www.ashrae.org/ChicagoOnline).

For more information or to purchase the Chicago Virtual Conference \$484 (\$299, ASHRAE member, company registrations available, too), go to [www.ashrae.org/ChicagoVirtual](http://www.ashrae.org/ChicagoVirtual).

## **Building Energy Efficiency Spotlighted in President Obama’s State of the Union Address**

President Barack Obama delivered his annual State of the Union address to Congress this past Tuesday. In his address, the President outlined his policy priorities in his so-called “Blueprint for America Built to Last”, which includes increasing building energy efficiency.

“Of course, the easiest way to save money is to waste less energy. So here’s a proposal: Help manufacturers eliminate energy waste in their factories and give businesses incentives to upgrade their buildings. Their energy bills will be \$100 billion lower over the next decade, and America will have less pollution, more manufacturing, more jobs for construction workers who need them”, said the President during the address.

To view the transcript of President Obama’s remarks, visit <http://1.usa.gov/wknYk5>