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VOLUME 5, ISSUE 4

NOVEMBER 29, 2010

December ASHRAE Meeting (1 PDH will be available for attendees)

Monday, December 13, 2010

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

Time: 12 PM with Buffet Lunch Served

Cost: \$25.00

Speaker: John Hamilton – Chief Operating Officer of the Testing Adjusting and Balancing Bureau (TABB)

Topic: Delivering the Green Design with the Testing Adjusting and Balancing of HVAC Systems

The material to be covered in this session will include:

- How to avoid writing a specification that will burden the owner/occupant with excessive energy costs.
- Increase awareness of what constitutes a successful, optimally performing HVAC System.
- How Division 23 specifications for construction and performance testing of HVAC systems ensure that ventilation is provided as efficiently as possible.

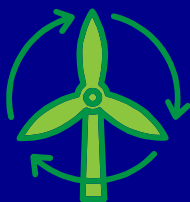
John Hamilton is currently working for the National Energy Management Institute (NEMI) as Chief Operating Officer of the Testing Adjusting and Balancing Bureau (TABB). He serves on the SMACNA/SMWIA TAB Taskforce, HVAC Technician Certification Committee, Commissioning Taskforce, and is a liaison on the International Certification Board for TABB.

John is a member of the following ASHRAE Committees: Duct Design TC05.02, Testing and Balancing TC07.07 and Building Commissioning TC07.09. He is also involved in the ASHRAE Committee to develop the ASHRAE Commissioning certification exam.

John has worked in the HVAC industry for over 25 years as a project manager, instructor, and technical expert. He received his BA in Education at Baltimore University.

Please RSVP by noon Thursday, December 9th to Tim Duprey, Phone: 585-402-5285 or dupreyt@ifsinc.net

Please read member note on page 5 regarding reservations.





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ASHRAE 2010-2011 Meeting Schedule

Date	Event	pdh / Theme	Location	Schedule
12/13/10	 John Hamilton - Chief Operating Officer TABB How TAB Affects Green Bldgs, IAQ, and Energy Loss	Membership Promotion (1) pdh	Mario's	12:00 PM
01/10/11	Joint Meeting with Electrical Engineers Raj V. Rajan PhD, PE - VP Engineering Upstate PV - Solar Project Update	Student / YEA Participation (1) pdh pending	Mario's	12:00 PM 
02/12/11	Gala to Honor Lynn Bellenger - ASHRAE Society President Annual ASHRAE Valentines Dinner Dance		Memorial Art Gallery	7:00 PM
02/14/11 	Bruce W. Majer BRD Noise and Vibration Control, Inc.	Student / YEA Participation (1) pdh pending	Mario's	12:00 PM
03/14/11	ASHRAE Distinguished Lecturer Gordon V.R. Holness P.E. ASHRAE Standard 100 - Energy Conservation in Existing Buildings	Research Promotion (1) pdh pending	Mario's 	12:00 PM
04/11/11	Refrigeration Night TBD 	-----	Tour	Dinner
05/17/11	Annual ASHRAE Golf Outing and Picnic 	-----	Ravenwood Golf Club	9:30 AM Golf 4:30 - 8:00 Picnic



President’s Message: by Jim Browe

We had a great meeting in November. Over 90 people came to this lunch meeting at Mario’s and heard Daniel H Nall’s presentation on ASHRAE’s Advanced Energy Design Guide Series; Saving 30% in Small Buildings.

There are currently advanced energy design guides for various types of buildings aimed at achieving 30% energy savings toward a net zero energy building. These guidelines present a way to build energy efficient buildings that use significantly less energy than those built to the minimum code requirements. These guidelines use ANSI/ASHRAE/IESNA std 90.1-1999 as the basis to make the energy comparison.

The key to ensuring success in energy savings is to implement an integrated design process. This process ensures that steps at every level of the project from pre-design to the operational stage of the building are followed to make sure energy saving measures are taken.

During this meeting Jeff Close the Research Promotion chairperson took a moment to thank the people who donated to ASHRAE Research this past year. Dona-

tions are the key for funding of many ASHRAE research projects and guidelines that we all use while designing projects. Special thanks to the following major donors; R.L.Kistler, Fulton Boiler Works/ Modular Comfort, R.P.Fedder, Lynn Bellenger, Slater Equipment, Mech Tech HVAC, Turner Engineering, Guckian Energy Systems, The Trane Co and Richard Barret. I would also like to thank Richard Gray from Gray Metal products for his generous contributions over the years that have continued to keep Rochester on the map.

We look forward to seeing you at the December 13th meeting 12pm at Mario’s. The topic for this meeting is how testing and balancing affects green buildings, indoor air quality and energy loss. It will be presented by John Hamilton COO of TABB and we will also be joined by Spencer Morasch for our region 1 EX-COM visit. See you there.



Jim Browe, 2010-2011 President



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.

Research Promotion: Jeff Close

The Rochester Chapter recognized all of its top contributors from last year's campaign at last month's chapter meeting and we are already making strides towards this year's goal. Contributing to ASHRAE Research ensures that our industry continues to develop new innovative ideas to support the way we do business along with provide funding to develop new materials to help guide us (i.e. ASHRAE Advanced Guideline Series). Making a contribution couldn't be any easier with the online payment system. Simply logon to www.ashrae.org and follow the quick link to "Research Promotion" on the left hand side.

A special thank you to our current contributors this year:

2010-11 Rochester Chapter Research Donors			
R.P. Fedder Corporation	Major Donor - Bronze	Ms Michelle Sommerman	Honor Roll Donor
Air Systems Balancing & Testing Service	Honor Roll Donor	Mr Jeffrey S Close	Honor Roll Donor
Mr James C Browe	Honor Roll Donor	Mr Robert Wind, Jr	Honor Roll Donor
Mr Thomas E Piekunka	Honor Roll Donor	Mr Peter Oppelt	Honor Roll Donor
Mr Jeffrey C Ellis	Honor Roll Donor	Mr Edward Burns	Honor Roll Donor

* Updated 11-19-2010

If any one is interested in donating, but doesn't know where to begin, please contact me.
 Jeffrey Close - *Research Promotion Chair*
jeff.close@pres-services.com

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.

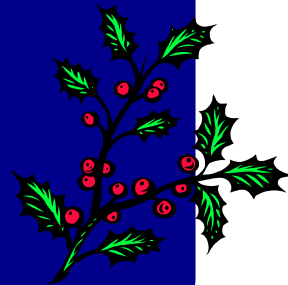
100% of all funds raised go directly to research projects that support the HVAC&R industry.

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

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



ASHRAE Winter Conference



AHR EXPO®

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Las Vegas, Nevada

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Register Online by January 2, 2011 Deadline - to have your badge mailed to you!



JANUARY 31 - FEBRUARY 2, 2011
Las Vegas Convention Center, Las Vegas, NV

SHOW DATES AND HOURS:

Monday, January 31	10:00am - 6:00pm
Tuesday, February 1	10:00am - 6:00pm
Wednesday, February 2	10:00am - 4:00pm

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- **Attend** Seminars and Workshops on Industry Trends, Green Building Initiatives, Industry Best-practices, and much more.

FREE Online Registration and Show Information at: www.ahrexpo.com

Or bring this card to the Show for FREE onsite registration

Register Online by January 2, 2011 Deadline - to have your badge mailed to you!

No one under 16 admitted. 16-17 must be accompanied by an adult.



The 54th Annual Valentine Dinner Dance will be extra sweet this year...

It's a

Heartfelt Gala

to honor

Lynn G. Bellenger, PE, FASHRAE, LEED AP

Rochester's first ever ASHRAE Society President!

ASHRAE, founded in 1894, is an international organization of 51,000 persons with a local chapter in Rochester, NY. 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.

The Gala will take place the evening of Saturday, February 12, 2011 at the
Memorial Art Gallery

500 University Avenue
Rochester, NY 14607

For more info contact Jody McGarry 585-482-3601



Lynn G. Bellenger



Lynn G. Bellenger, P.E., Fellow ASHRAE, is a partner with Pathfinder Engineers and Architects LLP, Rochester, N.Y. Lynn is ASHRAE certified as a Building Energy Modeling Professional and a High Performance Building Design Professional.

She is the first female president in the Society's 116 year history and the first person from Rochester to serve as Society President. Lynn directs the Society's Board of Directors and oversees the Executive Committee. Her presidential theme, *Modeling a Sustainable World*, notes that in energy simulation, daylight analysis, CFD and BIM software, we have powerful modeling tools that enable us to create and refine our vision of a building – its appearance, systems, operation and performance.





ASHRAE

Technology for a Better Environment



September 15, 2010

Dear ASHRAE Members,

The 54th Annual Valentine Dinner Dance has a new twist....

*It's a Heartfelt Gala
to honor
Lynn Bellenger, P.E.
Rochester's first ever ASHRAE National President!*

This magical event will be held at the Memorial Art Gallery on Saturday, February 12, 2011. 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 make this event to honor Lynn Bellenger possible.

As always, we will be offering two complimentary dinners to corporate sponsors. Your sponsorship will be listed in the dinner program and dance fliers, 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, Lynn, and 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

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 2011 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 2011 Promotion and agree to fulfill our commitment by March 1, 2011.

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.

AN INTERNATIONAL ORGANIZATION

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. 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, 11/19/10

- [Federal Buildings Personnel Training Act \(H.R.5112\) May Pass in House of Representatives](#)
- [DOE Launches New Energy Efficiency and Renewable Energy Advisory Committee](#)
- [Building Envelope Program Launches Blog to Better Communicate with Stakeholders](#)



[Federal Buildings Personnel Training Act \(H.R.5112\) May Pass in House of Representatives](#)

Expect the unexpected is a good rule to follow with Congress. In the waning days of the 111th Congress, one of ASHRAE's priority bills – the Federal Buildings Personnel Training Act (H.R.5112) has a real chance of passing the House, but only if two Representatives from Florida pull their opposition.

The Representatives in focus are John L. Mica (R-FL), the senior Republican on the House Transportation and Infrastructure Committee, and Mario Diaz-Balart (R-FL), the senior Republican on the Subcommittee on Economic Development, Public Buildings, and Emergency Management of the Transportation and Infrastructure Committee, the committee with jurisdiction over H.R.5112.

The Federal Buildings Personnel Training Act would help the federal government meet its ambitious safety, security, energy and water savings, and greenhouse gas reductions goals by identifying core competencies and providing relevant courses, certifications, degrees, licenses, and registrations for federal personnel performing building operations and maintenance, energy management, safety, and design functions.

If Representatives Mica and Diaz-Balart allow this bill to be considered, there is a good chance it will pass in the House, and possibly the Senate in the next couple of weeks, before the 111th Congress concludes.

For more information on the bill, please contact Mark Ames, ASHRAE Manager of Government Affairs at mark.ames@ashrae.org, or by phone at 202-833-1830. To view the text of the bill, visit <http://thomas.loc.gov>, click the "Bill Number" button, and search for H.R.5112.



[DOE Launches New Energy Efficiency and Renewable Energy Advisory Committee](#)

The U.S. Department of Energy (DOE) recently announced the establishment of the Energy Efficiency and Renewable Energy Advisory Committee (ERAC). ERAC is a federal advisory committee whose members will report directly to the Secretary of Energy with advice on the portfolio of the Office of Energy Efficiency and Renewable Energy (EERE). The 19 members selected have experience in a variety of sectors and will bring a range of technical expertise and perspectives to the committee.

“We are fortunate to have such knowledgeable people volunteering their time and efforts to the Department's clean energy endeavors,” said DOE Secretary Dr. Steven Chu. “They will be contributing their expertise and experience to help address the energy challenges faced by our nation.”

ERAC will periodically review EERE's portfolio and provide advice to the Secretary of Energy on a variety of areas, including: completion of long-range plans, priorities and strategies; program funding; and any issues of specific concern expressed by the Secretary of Energy or the Assistant Secretary for EERE. ERAC is expected to meet twice a year; the meetings will be open to the public. The Committee is being established in accordance with the Federal Advisory Committee Act (FACA). DOE also expects to organize various subcommittees under ERAC.

ERAC will hold its inaugural meeting on Tuesday, November 20, 2010 at the U.S. Department of Energy's Forrestal Building, 1000 Independence Avenue, S.W., Washington, DC 20585. This meeting is open to the public, and ASHRAE will be in attendance. For more information, including the agenda, please visit <http://bit.ly/aa1XLC>.

For more information on ERAC members visit the EERE Advisory Committee Web Site at <http://bit.ly/bFWIZh>. To view the press release, visit <http://bit.ly/8YeTbP>.

[Building Envelope Program Launches Blog to Better Communicate with Stakeholders](#)

The Building Technologies Program under the U.S. Department of Energy recently announced the launch of the Building Envelope and Windows R&D Program Blog (<http://www.eereblogs.energy.gov/buildingenvelope/>), which will serve as a new resource for up-to-date information on the Building Envelope and Windows R&D program, and will include updates on activities ranging from Cool Roofs to the Windows Volume Purchase Program (<http://bit.ly/br5LxB>). This new blog will engage program stakeholders for feedback on program activities and reports, as well as provide information on upcoming meetings and workshops.

This blog will also be a resource for archived information, including past presentations and posts with comments included (found under the "Archive" tab). Some time next year, EERE's Building Envelope R&D Program's Web site (<http://bit.ly/CHRSIq>) will undergo a re-vamping; more details will be posted on the blog. Please e-mail Walt Zalis (wzalis@energetics.com) if you have any questions or concerns.

For more information, please visit <http://bit.ly/95tED0>.





YEA ROCHESTER

If you are 35 or younger, welcome to Young Engineers in ASHRAE (YEA). Our primary objective is to enhance member benefits by identifying activities and services focused on the needs of young professionals in the industry of HVAC and energy.

UPCOMING EVENTS

- **Friday, December 17 – YEA Social Hour @ 5:00 P.M.**
Meet other YEA members and the RIT ASHRAE Chapter
Location:
RIT Global Village – Salsarita’s Fresh Mex Cantina
<http://www.rit.edu/fa/globalvillage/content/restaurants-and-markets>



For more information, contact Jaimee Reynolds:
jreynolds@pathfinder-ea.com



- **March– YEA Technical Session – Limited to 15 people**

Learn the basics of Chiller Plant design and general troubleshooting techniques through a real-life application at RIT

Location :
RIT Chiller Plant

For more information, contact John Roylance: john.roylance@trane.com

- **April – YEA Community Service Event**



For more information, contact Eric Smith: esmith@turnerengineering.com

- **May – YEA Mini-Golf and Driving Range**
Practice your short game before meeting up with the ASHRAE Chapter at Ravenwood Golf Club

Location:
Auburn Creek Driving Range & Mini-Golf
7331 Victor-Mendon Rd
Victor, NY 14564

For more information, contact Jaimee Reynolds:
jreynolds@pathfinder-ea.com



GET INVOLVED

Become a Mentor to local RIT Students, Help plan ASHRAE programs by joining the local ASHRAE Program Planning Committee, Help create standards like ASHRAE 90.1 and 62.1 by joining a National ASHRAE Technical Committee

If you would like to help us plan activities and services for YEA, please join us at our committee meetings. Lunch is provided. For more information, contact:

Eric Smith: esmith@turnerengineering.com OR Jaimee Reynolds: jreynolds@pathfinder-ea.com

ASHRAE Learning Institute

Seminars & Courses at ASHRAE's Winter Conference in Las Vegas, NV

2 WAYS TO REGISTER

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Full Day Professional Development Seminar

\$485/\$395 ASHRAE Member – Earn 6 PDH/6 CEU or 6 AIA LU credits

**The Commissioning Process In
New & Existing Buildings**

Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.

**Healthcare Facilities: Best Practice
Design and Application**

Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.

Complying with ASHRAE/IES Standard 90.1-2010

Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.

**Implementing Energy Management in New and
Existing Buildings: A Sustainable Activity**

Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.

Integrated Building Design

Saturday, Jan 29 – 8:00 a.m. to 3:00 p.m.

**Energy Modeling Best Practices and Applications:
HVAC/Thermal**

Tuesday, Feb 1 – 9:00 a.m. - Noon, 2:00 p.m. - 5:00 p.m.

Half Day Short Courses

\$159/\$119 ASHRAE Member – Earn 3 PDH/3 CEU or 3 AIA LU credits

**Fundamental Requirements of ASHRAE
Standard 62.1-2010**

Saturday, Jan 29 – 8:00 a.m. to 11:00 a.m.

**Understanding Air-to-Air Energy Recovery
Technologies and Applications**

Sunday, Jan 30 – 2:00 p.m. to 5:00 p.m.

Using Standard 90.1 to Meet LEED Requirements

Sunday, Jan 30 – 2:00 p.m. to 5:00 p.m.

**Determining Energy Savings from Performance
Contracting and LEED Projects: M&V**

Monday, Jan 31 – 2:30 p.m. to 5:30 p.m.

**Understanding & Designing Dedicated Outdoor
Air Systems (DOAS)**

Tuesday, Feb 1 – 9:00 a.m. to Noon

**Successful Solar Applications for Commercial &
Industrial Facilities**

Tuesday, Feb 1 – 9:00 a.m. to Noon

District Cooling & Heating Systems: Central Plants

Tuesday, Feb 1 – 2:00 p.m. to 5:00 p.m.

**Application of Standard 62.1-2010: Multiple Spaces
Equations & Spreadsheet Calculation**

Saturday, Jan 29 – Noon to 3:00 p.m.

**Chilled Beam Technology for Excellent Indoor
Climate in an Energy Efficient Manner**

Sunday, Jan 30 – 2:00 p.m. to 5:00 p.m.

The Commissioning Process & Guideline 0

Monday, Jan 31 – 2:30 p.m. to 5:30 p.m.

**Understanding Standard 189.1-2009 for
High-Performance Green Buildings**

Monday, Jan 31 – 2:30 p.m. to 5:30 p.m.

**Low Temperature Radiant Heating & High
Temperature Radiant Cooling Systems**

Tuesday, Feb 1 – 9:00 a.m. to Noon

**Avoiding IAQ Problems: Using ASHRAE's
New IAQ Guide**

Tuesday, Feb 1 – 2:00 p.m. to 5:00 p.m.

**Designing Toward Net Zero Energy
Commercial Buildings**

Tuesday, Feb 1 – 2:00 p.m. to 5:00 p.m.



Get web-based training
you can trust, anytime,
anywhere, and earn
PDHs/CEUs in the
process.

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Green Buildings
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ASHRAE Certification Programs

Take advantage of ASHRAE's
special pencil & paper
administration of our
certification examinations
on Wednesday Feb. 2, 2011,
in conjunction with the 2011
ASHRAE Winter Conference.

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

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

New Publications from ASHRAE

- Standard 189.1-2009: Standard for the Design of High-Performance Green Buildings (A Jurisdictional Compliance Option of the IGCC)*
 - Standard 189.1-2009 User's Manual (A Jurisdictional Compliance Option of the IGCC)*
 - ASHRAE GreenGuide 3rd Edition – The Design Construction, and Operations of Sustainable Buildings*
 - ASHRAE Standard 90.1-2010: Energy Standard for Buildings Except Low-Rise Residential Buildings*
 - ANSI/ASHRAE 55-2010 – Thermal Environmental Conditions for Human Occupancy*
 - ANSI/ASHRAE 62.2-2010 – Ventilation for Acceptable Indoor Air Quality in Low-Rise Residential Buildings*
 - ANSI/ASHRAE 62.1-2010 – Ventilation for Acceptable Indoor Air Quality*
- Package:
- ANSI/ASHRAE 15-2010 – Safety Standard for Refrigeration Systems*
 - ANSI/ASHRAE 34-2010 – Designation and Classification of Refrigerants*

Visit www.ashrae.org/bookstore to order

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 Walter (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.



ASHRAE 2011 Winter Conference

Zero ENERGY DESIGN

ASAFE BET

Las Vegas, Nevada January 29-February 2

2010-2011 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	250 /26	0	120	335	0	0	0	455



Society News: New ASHRAE GreenGuide Features Guidance on Sustainable Planning, Carbon, Water Efficiency and Existing Buildings

ATLANTA – The newly published third edition of the *ASHRAE GreenGuide: The Design, Construction and Operation of Sustainable Buildings* is an updated version of this easy-to-use reference that covers the need-to-know information on what to do, where to turn, what to suggest and how to interact with other members of the design team in a productive way.

The book features new information on guidelines on sustainable energy master planning; updates on teaming strategies; information on how issues related to carbon emissions affect building design and operational decisions; building information modeling (BIM); strategies for greening existing buildings; updates on newly developed green building rating systems and standards; and compliance strategies for key ASHRAE standards. Also, the GreenTips found throughout this edition highlight techniques, processes, measures or special systems in a concise

format.

“The *ASHRAE GreenGuide* is a living document meant to be used by proactive design engineers working on green building design projects as part of a team that provides ideas and guidance of what to do, where to turn, what to advise and how to interact with other team members in a productive way,” John Swift, co-author and co-editor of the *GreenGuide*, said.

A new chapter covers architectural design and planning impacts, including sustainable master planning. Such planning addresses resource use, landscape concerns and environmental, economic and social concerns. A major part of such planning is energy and water use.

“As a smart building services engineer, one must be familiar with the flows of energy from generation through transmissions to consumption,” Tom Lawrence, co-author and

chair of ASHRAE’s technical committee on building environmental impacts, said. “Understanding these flows is critical to being able to provide solutions that increase overall system efficiencies and facilitate energy reductions at all levels.”

The cost of the *ASHRAE GreenGuide* is \$98 (\$83, ASHRAE members). To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit www.ashrae.org/bookstore

ASHRAE is an international technical society that 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 it’s 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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