



ASHRAE San Diego Newsletter



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

REGION X

Volume 3, Issue 11

www.ashraesd.org

November 2011

NOVEMBER MEETING

**Using Embedded Tube Radiant
Cooling Systems to Maximize
LEED Points**

**Member get a Member
Tuesday, November 8th**

5:00-5:45: Sign In

5:45-6:00: General Introductions and
Announcements

6:00-7:00: Dinner & Speaker

Where:

The Butcher Shop

5255 Kearny Villa Rd.

San Diego, CA 92123 (858) 565-2272

Full Details on Page 6

INSIDE THIS ISSUE

- 1 November Meeting Info, Presidents Message
- 2 Member Get a Member
- 3 Calendar of Events and Seminars
- 4 2012 ASHRAE Winter Conference
- 5 ASHRAE News
- 6 November Meeting Details
- 7 Past President Recall
- 8 San Diego Foundation Nom., Update Membership
- 9 Letter from the Editor, YEA!
- 10 Officers/Committee Members, 2012 AHR Expo
- 11, 12 Winter Conference Student Sponsorship
- 13 2011 ASHRAE Holiday Party
- 14 Performance Building Conference
- 15 ASHRAE Bookstore
- 16,17 CTTC Update
- 18,19 ASHRAE Learning Institute Information

President's Message

Dear ASHRAE members & guests,

I am saddened to tell you that Immediate past ASHRAE President Lynn G. Bellenger, who served as the first woman president in the Society's 116 year history, passed away Wednesday, Oct. 19. She was president for the 2010-11 Society year, with her term ending in June 2011. Please go to <http://www.ashraesd.org> to get the full story.

We had an excellent October meeting which covered seismic certifications for the Office of Statewide Health Planning and Development (OSHPD). Matthew Tobolski was our speaker and did an excellent job. Our next meeting will cover underfloor radiant cooling and the speaker is Devin Abellon. I am sure everyone remembers Devon! He just relocated to Arizona from San Diego. Devon has been an excellent supporter of ASHRAE. While in San Diego, he served on the Board of Governors and was our Web Master. I am looking forward to Devon's visit and presentation.

As usual, we have a lot going on. December 1st is the ASHRAE San Diego Holiday party. This is the San Diego Chapters largest fund raising event for ASHRAE Research. We are looking for sponsors. Go to <http://www.ashraesd.org> and scroll down the home page for more information.

On March 22, 2012 San Diego will be hosting the High Performance Building Conference. Go to <http://www.ashraesd.org> for more information.

On a final note, Heather Schopplein is working on putting together an event titled "Women in ASHRAE". She is looking for volunteers to help her out. If you are interested in helping please contact her @ hschopplein@benderdean.com. She is looking forward to hearing from you!

Sincerely,

Dennis Christie
President
ASHRAE San Diego Chapter



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Are you looking to educate ASHRAE members on your products or services?

Table Tops can be purchased at our meetings for \$200, contact a Board Member for more information!



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Interested in becoming more involved with ASHRAE through Chairing a Committee or becoming an Officer? Please contact one of the existing Chairs or Officers to find out how!

Help Us Recruit New Members – Have Lunch on Us!

Eric Glatzl, P.E., LEED AP

Randall Lamb Associates

Membership Promotion Chair, 2010-11

ASHRAE is always looking for new and better ways to spread the importance of being a member especially if you work in the HVAC & R industry. For those of you reading this article, I do not need to tell you why it is important (and necessary) for you to be members of ASHRAE.

But you can help us recruit new members and spread the word of ASHRAE!

Since our member-get-a-member was such a success at our November meeting, the Board of Governors has decided to make it a standing membership drive program. In other words, any member bringing a non-member to a regular monthly meeting OR tour and this non-member joins ASHRAE Society and the SD Chapter at the meeting, he or she and you will have the meal on us...FREE. It's our way of saying thank you for helping the San Diego Chapter grow.

In order to get your free meal(s), come find me, Eric Glatzl – Membership Chair, at the sign in desk (I'll be "damn glad to meet you") and I'll take care of you!

Remember, in order to get your free meal(s), you must sign up for ASHRAE and give me your check at the meeting. The check shall be made out to "ASHRAE" and shall be in the amount of \$215.00. Filling out the application and sending in your check at a later date will not get you a free meal I'm afraid.

Please note, no cash or credit cards will be accepted when new members sign up. Checks only.

To help you recruit new members, below is a short list of why it is awesome being a member of ASHRAE:

1. Discount on ASHRAE products (books, standards, conferences, etc.)
2. Leadership training and development of professional skills
3. Career services and employment possibilities
4. Continuing education, keeping up with current technology, and access to current HVAC Industry information
5. Networking opportunities and monthly and annual events for technology, employment, and projects
6. A chance to become a chairperson or an officer- to gain an experience that will have value on professional resumes
7. Industry respect through ASHRAE affiliation, and/or volunteer-ship
8. Access to \$2.9 million dollars (this year alone) worth of research information in the industry
9. To help make a difference in the engineering world
10. Be a part of a society that makes the world a better place to live in by enhancing the air we breathe, improving workplace environment, and by creating a better quality of life by providing sustainable solutions
11. For FUN and a sense of true accomplishment

NOVEMBER DATES TO REMEMBER

11/04: LIGHT THE NIGHT, DEL MAR FAIRGROUNDS
11/04: FAMILY FUN NIGHT, TEMECULA
11/05: VILLAGE HUNT 2011, MEMORIAL PARK-DOWNTOWN CHULA VISTA
11/05: TOYS FOR TOTS MOTORCYCLE BENEFIT RIDE, OCEANSIDE HARBOR
11/05: BIKE THE COAST-TASTE THE COAST, OCEANSIDE PIER
11/05: CARLSBAD VILLAGE STREET FAIRE, DOWNTOWN CARLSBAD
11/05 & 11/06: CHRISTMAS ON THE FARM, BATES NUT FARM
11/06: DAYLIGHT SAVINGS TIME ENDS
11/06: SHELTER ISLAND 5K RUN/WALK, POINT LOMA-HARBOR DRIVE
11/10 THRU 11/13: DIXON LAKE TROUT DERBY, ESCONDIDO
11/11: VETERANS DAY
11/11: VETERAN'S DAY PARADE, DOWNTOWN SAN DIEGO
11/11: VETERAN'S DAY PARADE, DOWNTOWN MURRIETA
11/11 THRU 11/13: SNOW JAM 10, DEL MAR FAIRGROUNDS
11/12: WALK TO CURE DIABETES
11/13: DUALTHON, EAST MISSION BAY
11/13: SAN DIEGO FALL ROWING CLASSIC, EAST MISSION BAY
11/13: FREE FAMILY FUN AFTERNOON AT COMMUNITY PARK, POWAY
11/13: MIRACLE BABIES 5K RUN/WALK, WEST MISSION BAY-MARINER'S POINT
11/16 THRU 11/20: SAN DIEGO BAY WINE & FOOD FESTIVAL, EMBARCADERO
11/18: WILD WEST HOEDOWN!, FALLBROOK
11/18 THRU 11/20: SUSAN G. KOMEN 3 DAY FOR THE CURE, DEL MAR TO DOWNTOWN
11/18 THRU 11/20: DEL MAR ANTIQUE SHOW & SALE, DEL MAR FAIRGROUNDS
11/19: AUTO PRODUCTS RECYCLING EVENT, SOUTHWEST HIGH SCHOOL
11/20: MOTHER GOOSE PARADE, EL CAJON
11/20: ENCINITAS STREET FAIRE & FALL FESTIVAL
11/23 THRU 11/27: THANKSGIVING DIXIELAND JAZZ FESTIVAL, MISSION VALLEY
11/24: THANKSGIVING DAY
11/25 THRU 11/27: SANTA'S COMING, BATES NUT FARM
11/24 THRU 11/2012: HOLIDAY OF LIGHTS, DEL MAR FAIRGROUNDS

SEMINARS & CLASSES

FOR MORE INFORMATION ON ALL SEE WWW.SDGE.COM

ALL CLASSES UNLESS NOTED LOCATED AT:

CA CENTER FOR SUSTAINABLE ENERGY
8690 BALBOA AVE, SAN DIEGO, CA 92123

HOT REBATES, COOL SAVINGS

DATE: WEDNESDAY, 11/9/11, 8:00 AM- 11:30 AM

IDENTIFYING ENERGY EFFICIENT UPGRADES AND INCENTIVES

DATE: THURSDAY, 11/10/11, 8:00 AM- 11:30 AM

DEMAND RESPONSE

DATE: THURSDAY, 11/10/11; 12:30 PM- 3:30 PM

ENERGY MANAGEMENT SYSTEMS

DATE: THURSDAY, 11/17/11; 8:00 AM- 3:00 PM

STEVE MOUZON PRESENTS – THE ORIGINAL GREEN, SDG&E, 4760 CLAIREMONT MESA BLVD

DATE: TUESDAY, 11/29/11; 11:30 AM- 1:00 PM

November

2011

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5 Toys for Tots Motorcycle Benefit 
6 Daylight Savings Ends 	7	8 ASHRAE Dinner 	9	10	11 Veterans Day 	12
13	14	15	16	17	18	19
20 Mother Goose Parade 	21	22	23	24 Thanksgiving 	25 	26
27	28	29	30			



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Join ASHRAE in Chicago!

January
21-25,
2012

Don't miss the chance to participate in ASHRAE's historically best-attended Conference!

Technical Program — join your fellow members and industry leaders to discuss and examine the latest topics in the building industry, such as high performing buildings and integrated design.

Virtual Conference — if you can't make it to Chicago, take advantage of the knowledge shared in the technical program with the Virtual Conference.

AHR Expo — The ASHRAE co-sponsored AHR Expo takes place Jan. 23-25 at McCormick Place. www.ahrexpo.com.

ASHRAE Certification — all six certification programs are being offered: Building Energy Assessment Professional; Building Energy Modeling Professional; Commissioning Process Management Professional; High-Performance Building Design Professional; Healthcare Facility Design Professional; and Operations and Performance Management Professional.

ASHRAE Learning Institute — five Professional Development Seminars and 14 Short Courses are offered, including a new course on the basics of combined heating and power systems and updates to courses covering Standards 62.1 and 90.1 reflect changes in the 2010 versions of these standards.

www.ashrae.org/chicago



Dear ASHRAE Members,

Last week, we shared with you the sad news that ASHRAE Presidential Member Lynn G. Bellenger passed away on Oct. 19. In a short time, we have had many gracious messages of remembrance from members, companies and allied organizations around the world.

I do not have to tell you – she touched many, many lives. Let me share a sampling of the messages we have received.

She could make you feel that she was available just for you. When speaking to a large or even a smaller audience - it seemed like she could talk at once to each person in the room and uplift them to what she wished to emphasize.

As a woman in the engineering field, someone who is passionate about energy savings and an active ASHRAE member, I am so sad that this wonderful, intelligent kind person is no longer with us. This is a huge loss to the engineering community and to the people on this planet.

Very early on, in her ASHRAE career, Lynn told me that she was trying to model herself on other ASHRAE giants that she looked up to and, in this regard, she made a magnificent effort to accomplish this dream.

Many people are asking what they can do to show their love and support in this sad time. To honor the remarkable legacy that she leaves, ASHRAE is establishing the Lynn G. Bellenger Memorial Fund, which will be used to recognize women in engineering through scholarships or other means.

If you would like to contribute to this fund and continue her legacy as a role model not only for women but for all of us and our future generations, you can do so via mail or online.

Mail contributions

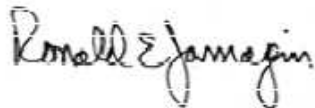
Lynn G. Bellenger Memorial Fund
c/o ASHRAE
1791 Tullie Circle NE
Atlanta, GA 30329

Contribute online

[Click here to fill out the online form and make your contribution online.](#)

I thank you in advance and ask that you share this message with other members or those in the industry who would be interested.

Thank you,



ASHRAE San Diego Chapter Meeting

November 8, 2011

Using Embedded Tube Radiant Cooling Systems to Maximize LEED Points

This program will cover the following topics:
Radiant Cooling Heat Transfer Fundamentals
Radiant Cooling Performance/Capacity
Frequently Asked Questions
Typical Construction Methods

Presented by
Devin A. Abellon, P.E.

Attendees will gain an understanding of how in-slab radiant cooling systems can be used as part of an energy-efficient design solution to maximize Energy and Atmosphere credits for LEED certification, and see examples of how this has been accomplished on projects both here in the United States and abroad.

This program has been approved by the USGBC for (1) CEU.

Fee:

\$20.00 Students and Retired



\$35.00- IF RSVP by November 7th at 9 AM



\$40.00 At the Door



\$50.00 Not an ASHRAE Member , Associate, or Affiliate



\$200.00 - Table Top Sponsor



RSVP by calling or emailing your reservation to:

Heather O'Donnell

Phone (858) 391-7014

Email: Heathero@climatec.com

***** A 4% service fee is added to your purchase for the convenience of using the Paypal service. You are welcome to bring a check payable to ASHRAE San Diego Chapter as always.**

Past President Recall

Terry Erickson

One of the many infinite resources that the San Diego ASHRAE chapter has available to us is the guidance and participation of some of our past chapter leaders. The San Diego Chapter website is expanding our history page and has recently added the complete list of individuals who have served us as Past Chapter Presidents. To further honor and appreciate the service that they have given us, we are reaching out to those past leaders and asking them to share their experiences with us during their term as Chapter President. We have interviewed those leaders and asked them to provide us with some feedback on service as a San Diego ASHRAE Chapter President. We are happy to share with our chapter the first in a series of these Past President Recall Interviews from [Terry Erickson](#), who served our chapter during the [2005-2006 ASHRAE Years](#):

Q: What do you feel was the greatest success/growth for the San Diego Chapter during your term as president?

[It always seemed budgets were a particular sticky topic. During my tenure, I remember the Chapter was transitioning its revenue stream, mainly, by discontinuing the yearly tabletop event, which was our largest revenue generator. Between monthly programs & printing the Upblast, I remember fearing that we were going to be completely “upside” for the year. Not a pretty picture to leave the Chapter “broke” on ones watch.](#)

[So, I asked our Golf Committee for their support, which they provided with flyer colors \(read dollars\) to save the proverbial day...! And I think they might have set a precedent, as I know that our Golf Tournament still a great event without having been compromised.](#)

Q: How often and at what level do you still participate in ASHRAE and how have you seen the Chapter continue to grow since you served as Chapter President?

[I am still an active participant in our Chapter events. I am presently co-chair for Historian. I enjoy our HVAC community and look forward to all our events.](#)

Q: How do you think that serving as a Chapter President benefited you personally? What did you take away from that experience?

[I strongly believe that my experience has helped expand my knowledge of the mechanical arts and has allowed me to meet and become friends with some wonderful folks.](#)

Q: What is your favorite memory from your time as Chapter President?

[Hawaii CRC...need I say more?](#)

Q: What challenges do you still see the chapter facing and do you have any advice for current/future leaders in ASHRAE?

[Attendance & Board participation are always a challenge in professional organizations, but I believe our present leadership is in good hands and have the vision to keep it fresh & stimulating...](#)



ASHRAE SAN DIEGO FOUNDATION

Candidates Announced

Candidates for the 2012 board of directors for the ASHRAE San Diego Foundation (ASDF) will be posted in November on the foundation page of the chapter's website. All members of the San Diego chapter will be asked to participate in electronic elections in December. Your vote is important to the ASDF.

ASDF board members are primarily responsible for maintaining the long term financial assets as well as develop annual charitable giving strategies for recommendation to the ASHRAE San Diego Chapter. Board members are expected to attend quarterly and special meetings as well as occasionally represent the ASDF at external functions.

The ASDF is a separate 501(c)3 corporation whose mission is to manage the long term financial goals of the chapter. Currently the ASDF manages approximately \$120,000 in investments and overseas an additional \$20,000 in ASHRAE San Diego funds that are part of the San Diego State University Endowment. Together this principle generates over \$6,000 annually in scholarships and awards as determined by the chapter.

Bob Franco
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You can, easy...for free...and all it takes is about ten minutes of your time. AND...you can do it anytime, anywhere with internet access. Here's how:

1. Update your member bio / profile at www.ashrae.org
2. Send an email to membership@ashrae.org and say the following: "I have an updated bio and wish to be considered for member grade advancement. Please review my biographical information at your earliest convenience."
3. Wait about a month and receive your NEW certificate in the mail declaring your grade as "MEMBER."
4. Frame new certificate and be the envy of all your co-workers.

Seriously, that's all you need to do. It costs you nothing. You have to print and mail nothing. You have to call nobody. Do it all online and via email when you have a few minutes and you're good to go.

What happens once you become an actual member? Well, you can now become a Chapter officer if you so choose, or even, become active at a Regional or National level of ASHRAE. Exciting stuff.

If anyone has any questions, comments, or concerns about ASHRAE Membership, please do not hesitate to contact me at 619-823-5071 or email me at EGlatzl@RandallLamb.com.

Letter from the Editor

Jennifer Felsburg

Trane

Would you like to promote your company thru the newsletter?

Get a free month post when you contribute to the newsletter. You can write an article on HVAC related news, share photos from ASHRAE events, or write a recap of a meeting...If you would like to contribute, please email your submission by the 24th of the month. Email any questions/comments to jjdriscoll@trane.com.

Or you can advertise as follows:

Business Card 6 Issues; \$80

Business Card 12 Issues; \$140

Half Page (4.9" tall x7.25" wide) Ad 1 Issue; \$50

Half Page (4.9" tall x7.25" wide) Ad 3 Issues; \$125

Full Page (9.8" tall x7.25" wide) Ad 1 Issue; \$100

Full Page (9.8" tall x 7.25" wide) Ad 3 Issues; \$250

Submissions: Due by 24th of the month for inclusion in the newsletter issued on the 1st. Email submissions to: jjdriscoll@trane.com please include "ASHRAE SD Newsletter Ad" in the subject line.

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CALLING ALL AUTHORS!!!

Do you enjoy writing and sharing with your fellow HVAC professionals? Here in ASHRAE, we encourage all members to share their experiences, thoughts, photos, stories and ideas with one another in the immense forum available to our membership.

The San Diego ASHRAE chapter is actively looking for HVAC related articles to be included in our monthly newsletter. By submitting an article, you may become eligible for a free post in our monthly newsletter. Please contact our editor, Ms. Jennifer Felsburg at jjdriscoll@trane.com with your submission or for more information regarding the San Diego Chapter newsletter.

Likewise, our society publication, *Insights*, also seeks content from our membership on an ongoing basis. The *Insights* newsletter is distributed to our membership every other month with the ASHRAE journal and is available electronically at <http://www.ashrae.org/publications/>. If you have an article that you would like to share with Society, please contact myself at cindyh@tmmechanical.com or log on to the Society publications page for further instructions.

The San Diego HVAC community has a voice – LET IT BE HEARD!

Warmest Regards,

Cindy Hyatt

San Diego Chapter Publicity/Welcoming Chairperson

YEA!

Kevin Blankemeir

ECS Controls

Our last study session before the PE/EIT exams has already taken place and hopefully has prepared us for the PE/EIT exams. We will start these up again as the April PE/EIT exams get closer. If you're interested in taking the exam, are unsure what is on the exam or just want to relive your college studying days be sure to be on the lookout for the PE/EIT exam review sessions.

November Happy Hour Info:

Nov 9th at 5:30 PM

Old Town Acapulco Restaurant

2467 Juan St (At Harnet St); San Diego, CA 92110

619 260 8124

<http://acapulcorestaurants.com/>

YEA member Chris won a special offer that he is sharing with us - First round of margaritas will be \$0.99!

2011-2012 OFFICERS & CHAIRS

OFFICERS:

President: Dennis Christie
Climatec, Engineered HVAC Solutions
13715 Stowe Drive
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AHR EXPO 2012, January 23-25
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contact us

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2011-2012 REGION X - SAN DIEGO CHAPTER

www.ashraesd.org

"Sustaining ASHRAE through Leadership"

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Kevin Blankemeier

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Mike Frazier
Verle Williams, P.E.
Chuck Poundexter
Bill Reagan
Walter Houle
Jim McKinley, P.E.

2012 ASHRAE Winter Conference Student Attendance Stipend Award Information:

Application Deadline:	November 30, 2011
Selection Date:	December 15, 2011
Award Notification/Distribution Date:	December 16, 2011
Conference Cost (for student members):	\$ - 0 -

Basic Requirements:

Applicants must be willing/able to travel January 21-23, 2012 to Chicago. Please note that not all travel costs will necessarily be covered by the stipend. Applicants must be willing/able to cover costs for food & lodging (for 3 days & 2 nights) in excess of the stipend amount. Anticipated average total trip-cost, including airfare, hotel, food, cabfare, etc. is estimated at \$1,000.

Application Information:

Applications will be available for download from the San Diego ASHRAE Chapter website at the following address www.ashraesd.org, beginning Tuesday, November 1, 2011. The submittal process will be described within the application.

Stipend Description:

The stipend(s) are designed to assist students interested in the HVACR industry with travel expenses related to the 2012 ASHRAE Winter Conference in Chicago, IL.

- (2) \$1,000.00 stipends will be awarded/distributed December 16, 2011.

Selection Process:

Stipends will be awarded based on the following:

- Candidates must be an active member of ASHRAE
- Candidates must be currently enrolled in a participating university/college
- Candidates must submit a single page essay as described in the Application
- Candidates will be evaluated based on the following:
 - Attending Student Chapter Meetings and Activities
 - Attending local chapter meetings
 - Participation in a University-sanctioned HVAC technical elective course

CHAPTER MAY NOT ACT FOR SOCIETY



Application Information:

The application process includes the submission of all contact/demographic data required below, along with the submission of a single page essay on the topic indicated below. Please attach a completed copy of this page as a cover to your essay and email both to hschopplein@benderdean.com, or drop-off at any Chapter event. Remember — the application deadline is November 30, 2011.

Full Name: _____ Date: _____

Address: _____ Apartment/Unit #: _____

City: _____ State: _____ ZIP Code: _____

Phone: () _____

E-mail Address: _____

Major: _____ Anticipated Graduation: _____

Semesters Involved In ASHRAE: _____ Position Held: _____

Essay Topic:

In a single page essay (approximately 500 words) please describe how you feel ASHRAE benefits you as a current student and how attending the national winter conference will help in the advancement of your professional career.



ANNOUNCING . . .

The 2011 Annual ASHRAE Holiday Party!!!

The ASHRAE San Diego Holiday Party is back for another year...and you know what that means...great company, tasty drinks and food, gambling galore, and of course awesome prizes! SO...COME OUT AND SUPPORT ASHRAE RESEARCH PROMOTION WHILE NETWORKING WITH A GREAT CROWD AND HAVING A GREAT TIME!

WHERE:

The Hard Rock Cafe
801 4th Avenue
Downtown San Diego

WHEN:

Thursday, December 1st

5:30-10:00 PM

"Warm Up" Bar 5:30-6:30
(Beer & Wine Only)

FULL Open Bar 6:30-8:30

WHY:

ALL proceeds will
be donated to
ASHRAE Research
Promotions.

Sponsorship Opportunities:

High Roller Black Chip Bar Sponsor: \$3,300 – Includes dinner/reserved table for 8 and recognition throughout the event and printed on gifts given to all attendees

Blue Chip Sponsor: \$1,500 – Includes dinner/reserved table for 4 and sponsorship recognition

Red Chip Sponsor: \$750 – Includes dinner/reserved table for 2 and sponsorship recognition

Event Tickets: Available for purchase until the day of the event. See below for advance discount pricing

RSVP by Nov 9th: \$95.00 per person

RSVP after Nov 9th: \$125 per person

At the Door: \$150 per person

Questions??? Contact
Heather Schopplein at
707-318-4307 or Cindy
Hyatt at 858-254-7458

RSVP to Andy Nash at anash@umec.com

Bring your new, unwrapped toy to the party to support Toys 4 Tots and receive an extra raffle ticket!!

TOYS FOR TOTS

Marine Toys for Tots Foundation

Sponsorship of ASHRAE's High Performance Buildings Conference – A Focus on Deep Energy Savings



On March 12, 2012, energy professionals from the building and utility industries will convene at the Marriott Mission Valley near San Diego to kick off ASHRAE's *High Performance Buildings Conference – A Focus on Deep Energy Savings*. These individuals will listen and learn to help set the direction toward market-viable low energy buildings. This is a continuance of the successful Net Zero Energy Conference held in San Francisco in 2009. ASHRAE's award-winning High Performing Buildings Magazine is presenting this conference. For those of you unfamiliar with the magazine you can view in digital form at <http://www.hpbmagazine.org/>

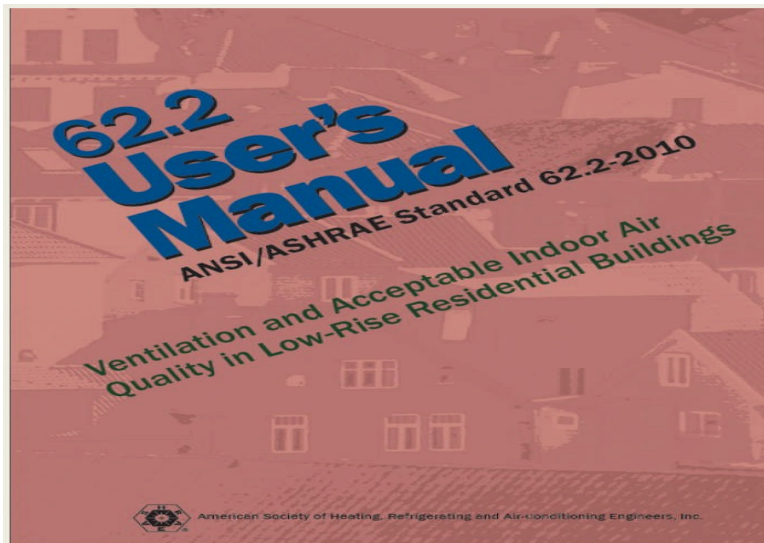
This conference will guide the building design professional, building owner/managers, building operating staff and government officials about what works and what really doesn't work when tackling major improvements in the energy efficiency, renewable applications, and operating practices. Your name tied to this conference will offer these professionals a chance to learn more about what your company is doing and how you are supporting the industry. Please consider partnering with ASHRAE as we seek solutions to energy efficiency challenges

Opportunities for sponsorship are extensive and are included with this letter as well as listed on-site at the conference web site – www.ashrae.org/HPBconference. Companies interested in the \$500 level sponsorship can complete the attached form and return it to meetings@ashrae.org. All other inquiries can be sent to gmartin@ashrae.org or by calling Greg Martin at 678-539-1174.

Opportunities for sponsorship of a keynote speaker are also available. Your company will recommend a speaker and provide payment for the speaker's travel which will allow your company representative to introduce the speaker and get a 3 minute time slot to address the conference attendees.

If you have any questions regarding *High Performance Buildings Conference – A Focus on Deep Energy Savings*, please contact meetings@ashrae.org or call the ASHRAE meetings department at (404) 636-8400.

Many thanks in advance for your support of the conference.



62.2 User's Manual

This is a complete guide to meet the requirements of *ANSI/ASHRAE Standard 62.2-2010, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*. This manual provides explanations for every section of the standard and includes many clear, specific examples covering most sections.

Background material is provided for nine sections of the standard and for three appendices, providing explanations for why many of the standard's requirements are included.

Dual units; softcover; 8.5 x 11 in.;
488 pp; 2011; ASHRAE
Price: \$55 (ASHRAE Member: \$47)
Product code: 90158
ISBN: 978-1-933742-85-4

Purchase at

www.ashrae.org/bookstore

ASHRAE GreenGuide

The Design, Construction, and Operation
of Sustainable Buildings

Third Edition



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

ASHRAE GreenGuide: The Design, Construction and Operation of Sustainable Buildings, 3rd ed.

This manual provides help to HVAC&R system designers in designing a green building. It gives the need-to-know information on every aspect of the building process from planning to operation and maintenance of the facility, with emphasis on teamwork and close coordination among interested parties. New topics in this edition are:

- Guidelines on sustainable energy master plan
- Information on how issues related to carbon emissions affect building design and operational decisions
- New GreenTips, including those with green strategies for chilled water plant and boiler plant

design
Dual units; hardcover; 6 x 9 in.; 488 pp; 2010; ASHRAE
Price: \$98 (ASHRAE Member: \$83; Student Member: \$58)
Product code: 90324
ISBN: 978-1-933742-85-4

Purchase at www.ashrae.org/bookstore

Advanced Energy Design Guide for Small to Medium Office Buildings

Achieving 50% Energy Savings
Toward a Net Zero Energy Building

Developed by:
American Society of Heating, Refrigerating, and Air-Conditioning Engineers
The American Institute of Architects
Illuminating Engineering Society of North America
U.S. Green Building Council
U.S. Department of Energy



Advanced Energy Design Guide for Small to Medium Office Buildings: 50% Energy Savings

Advanced Energy Design Guide for Small to Medium Office Building is the first in a series designed to provide recommendations for achieving 50% energy savings over the minimum code requirements of ANSI/ASHRAE/IESNA Standard 90.1-2004. ANSI/ASHRAE/IESNA Standard 90.1-2004 provides the fixed reference point and serves as a consistent baseline and scale for all of the 50% Advanced Energy Design Guides.

I-P units; softcover; 8.5 x 11 in.; 234 pp; 2011; ASHRAE
Price: \$82 (ASHRAE Member: \$69)
Product code: 90383
ISBN: 978-1-936504-05-3

Purchase at

www.ashrae.org/bookstore

CTTC Update

Gerald D. Hartford, Jr., P.E., LEED AP
Syska & Hennessy Group, Inc

On Tuesday, October 25, 2011, 11:15 AM – 12:30 PM, we conducted an official CTTC meeting, in the office of Syska Hennessy, representing the San Diego chapter of ASHRAE. Lunch was served.

Those in attendance included:

Jerry Hartford - CTTC Chair / BOG Member
Dennis Christie - Chapter President
Rebecca Haehn – Chapter President-Elect
Heather Schopplein – Chapter Secretary
Allen Hampton - Chapter Member
Brian Alexy - Chapter Member

Others invited who were unable to attend included:

Kevin Blankemeir – Chapter YEA / Website Chair

Our agenda included the following:

1. Review of previous meeting minutes
2. Discussion on industry forum/panel discussion regarding design-build project approach
3. Discussion on attending the Center for the Built Environment (CBE) event – University of California – Berkeley; held this week (so maybe next time)
4. Meeting speakers/presentations – future meetings (use of Distinguished Lecturers)
5. PAOE point discussion - how to maximize PAOE points
6. Refrigeration sub-committee chair (candidates?)
7. Other technical things we should be doing?

Previous minutes were reviewed and approved.

From our previous CTTC meeting, we advanced further-forward, discussion about setting-up an industry forum/panel discussion regarding the current state of design-build deliverables in our market, and how oppressive it is for teams to compete for such projects. Syska was one member of an A/E/C/SC team involved in the recent pursuit of the Las Colinas women's correctional facility only to be unsuccessful. Regardless, the team investment in time and dollars was huge, all of which was at-risk and ultimately lost. And since there were four (4) teams in pursuit, three (3) were the big losers, a huge investment that was essentially multiplied by 3. There is no firm of which we are aware that can sustain this type of at-risk expenditure. Therefore, Jerry is suggesting that we organize an ad hoc industry committee consisting of GC's, A's, E's and SC's charged with the responsibility to organize such an event. The CTTC basically agreed that everyone is affected by this current trend, including vendors and suppliers, so all agreed that ASHRAE can likely endorse (with BOG approval) but not lead such an effort, that the ad hoc committee has to stand alone as an entity but be supported by local firms and/or trade societies. Decision made was to let Jerry strike-out and pursue independently. P.S. – Syska is currently involved in another design-build pursuit/competition and the collective investment by three (3) separate teams is estimated to be \$1,000,000 each. One (1) team will win. Two (2) teams will lose (\$2,000,000). As Michael Turko (of the Turko Files) always says: "IT'S NOT RIGHT!"

We also advanced further-forward, discussion about attending a future event at the CBE (Center for Built Environment) at the University of California, Berkeley, CA (across the bay from San Francisco, just north of Oakland). The CBE meets twice a year, it's made-up of members who pay between \$12-\$15K a year to belong (Syska is a member). We're still not sure how ASHRAE is or could be connected if at all. That's where the research begins. Could we maybe be invited as a guest of a current CBE member? Could we participate in some form or fashion as an industry peer? More research to follow.

We once again discussed/presented that Syska now has a team member on the DL (Distinguished Lecturer) list - Kishor Khankari. He is a specialist and PhD in CFD modeling. We intend to invite him to attend one of our future chapter meetings or even a special meeting - a 3 hour session on CFD modeling, possibly. Rebecca will contact Kishor and arrange a future meeting date.

CTTC Update (Cont.)

We had further discussion about the balance of speakers/presentations scheduled for all future meetings (2011-2012 year). Rebecca presented no less than five (5) different speakers/topics to fill four (4) remaining spots. The CTTC weighed-in on each one and four (4) were selected. Rebecca will pursue and confirm. Confirmation will be provided in a separate report prepared by Rebecca.

Heather encouraged all to look into having their respective team members and other ASHRAE members consider additional ASHRAE certifications, i.e. HBDP and BEMP for example (and/or others). She mentioned that Logan Dorrell of Syska is well-decorated and has one (1) of each (such designation).

Jerry presented that he is teaching an HVAC class at SDSU and that he has 37 student, all of whom are now new student members (1 or 2 were already student members). Their applications should be processed soon, netting a significant increase in student membership for the San Diego chapter.

We also discussed the cost for ASHRAE student members to attend either a future lunch or dinner meeting. The cost per student is only \$15. Jerry will encourage his class of 37 students to attend as often as possible. We even discussed the idea of corporate sponsorships of students at future lunch or dinner meetings.

We also discussed sending ASHRAE student members to the 2012 ASHRAE Winter Conference in Chicago, in January 2012. Heather was charged with drafting a stipend award procedure (similar to past years). The thought was to provide two (2) \$500 awards, all of which requires BOG approval.

We had discussion about candidates to fill the role of CTTC sub-committee refrigeration chair. Two (2) candidates were identified and discussed. Both Heather and Allen were charged with contacting them to confirm their respective willingness to accept such a position/title.

We had discussion about maximizing PAOE points and some of the things we need to do/record to make this happen. Our goal is to stay close to Hawaii (in PAOE points). If we do the things they do, we will. Dennis handed-out our current PAOE point report.

Finally, we had limited discussion about the upcoming regular meeting – scheduled for November 8, 2011 – a dinner meeting – 5:00 to 7:00 PM – Butcher Shop - radiant heating & cooling (by UPONOR). A meeting announcement will be distributed this week.

All were reminded that the Holiday Party is scheduled for December 1, 2011 this year (a Thursday night). The schedule for regular monthly meetings going forward is:

January 10, 2012

February 14, 2012

March 13, 2012

April 10, 2012

May 8, 2012

June 12, 2012 – our Installation Banquet

Meeting adjourned promptly at 12:30 PM.

Oh, by the way, lunch was great! We had healthy sandwiches, chips, cookies and soda/water.

Our next meeting is scheduled for Tuesday, November 22, 2011, at 11:45 AM – 1:00 PM (typically the 4th Tuesday of each month), however, exceptions have and do occur based on schedule(s).

Thank you.

ASHRAE Learning Institute 2011 Fall Online Course Series

2 WAYS TO REGISTER

Internet: www.ashrae.org/onlinecourses

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

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




Complying with Standard 90.1-2010: Envelope/Lighting
Mon, October 3, 2011 – 1:00 pm to 4:00 pm EST

Healthcare Facilities: Best Practice Design
Mon, October 31, 2011 – 1:00 pm to 4:00 pm EST

Healthcare Facilities: Best Practice Application
Wed, November 2, 2011 – 1:00 pm to 4:00 pm EST

Evaluating the Performance of LEED-Certified Buildings
Mon, November 7, 2011 – 1:00 pm to 4:00 pm EST

Project Management for Improved IAQ 
Wed, November 9, 2011 – 1:00 pm to 4:00 pm EST



The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/DPH credits. Archiving is available.

Data Center Energy Efficiency – Part 1
Mon, October 10, 2011 – 1:00 pm to 4:00 pm EST

Data Center Energy Efficiency – Part 2
Wed, October 12, 2011 – 1:00 pm to 4:00 pm EST

Using Standard 90.1 to Meet LEED Requirements – Part 1
Mon, October 17, 2011 – 1:00 pm to 4:00 pm EST

Using Standard 90.1 to Meet LEED Requirements – Part 2
Wed, October 19, 2011 – 1:00 pm to 4:00 pm EST

Implementing Standard 189.1 for High-Performance Green Buildings – Part 1
Mon, October 24, 2011 – 1:00 pm to 4:00 pm EST

Implementing Standard 189.1 for High-Performance Green Buildings – Part 2
Wed, October 26, 2011 – 1:00 pm to 4:00 pm EST

ASHRAE HVAC Design Essential Workshop

January 11-13, 2012 • ASHRAE Foundation Learning Center • Atlanta, GA

Obtain the skills needed to:

- Improve overall building performance
- Design high-performance HVAC systems
- Effectively collaborate on an integrated design team

ASHRAE has created the HVAC Design Essentials to provide intensive, practical education for designers and others involved in delivery of HVAC services. Developed by industry-leading professionals, this workshop provides participants with training design to accelerate their evolution into effective member on a design, construction or facilities maintenance team.

In addition to gaining in-depth knowledge and understanding, attendees will receive real-world examples of HVAC systems based on the newly renovated ASHRAE Headquarters building. The workshop teaches a systematic approach to guide a design team to a solution that optimally meets the client's expectations.

Who Should Attend

- Engineers new to the HVAC industry
- Facilities managers involved in new construction or major renovation projects
- Technicians who would like to gain design knowledge
- Architects who want to understand HVAC design
- Construction project managers involved with mechanical systems



Visit www.ashrae.org/hvacdesign to register

ASHRAE Certification Programs

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

For more info, visit
[www.ashrae.org/
certification](http://www.ashrae.org/certification)

ASHRAE Learning Institute

Seminars & Courses at ASHRAE's Winter Conference in Chicago, IL

2 WAYS TO REGISTER

Internet: www.ashrae.org/lasvegascourses

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



Full Day Professional Development Seminar

\$485/\$395 ASHRAE Member -- Earn 6 PDHs/AIA LUs or .6 CEUs

The Commissioning Process in New & Existing Buildings

Saturday, Jan 21 – 8:00 a.m. to 3:00 p.m.

Using Standard 90.1 to Meet LEED Requirements

Tuesday, Jan 24 – 9:00 a.m. to 4:00 p.m.

Data Center Energy Efficiency

Saturday, Jan 21 – 8:00 a.m. to 3:00 p.m.

Energy Modeling Best Practices and Applications: HVAC/Thermal

Tuesday, Jan 24 – 9:00 a.m. to 4:00 p.m.

Integrated Building Design

Saturday, Jan 21 – 8:00 a.m. to 3:00 p.m.

Half Day Short Courses

\$159/\$119 ASHRAE Member -- Earn 3 PDHs/AIA LUs or .3 CEUs

Understanding Air-to-Air Energy Recovery Technologies & Applications

Sunday, Jan 22 – 2:00 p.m. to 5:00 p.m.

Comply with Standard 90.1-2010: HVAC/Mechanical

Monday, Jan 23 – 2:30 p.m. to 5:30 p.m.

Understanding & Designing Dedicated Outdoor Air Systems (DOAS)

Sunday, Jan 22 – 2:00 p.m. to 5:00 p.m.

Evaluating the Performance of LEED-Certified Buildings

Monday, Jan 23 – 2:30 p.m. to 5:30 p.m.

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

Sunday, Jan 22 – 2:00 p.m. to 5:00 p.m.

Combined Heat & Power

Tuesday, Jan 24 – 9:00 a.m. to 12:00 p.m.

Basics of High-Performance Building Design

Monday, Jan 23 – 8:30 a.m. to 11:30 a.m.

Healthcare Facilities: Best Practice Design

Tuesday, Jan 24 – 9:00 a.m. to 12:00 p.m.

Complying with Standard 90.1-2010: Envelope/Lighting

Monday, Jan 23 – 8:30 a.m. to 11:30 a.m.

Project Management for Improved IAQ

Tuesday, Jan 24 – 9:00 a.m. to 12:00 p.m.

Energy Management in New & Existing Buildings

Monday, Jan 23 – 8:30 a.m. to 11:30 a.m.

Healthcare Facilities: Best Practice Applications

Tuesday, Jan 24 – 1:00 p.m. to 4:00 p.m.

Advanced High Performance Building Design

Monday, Jan 23 – 2:30 p.m. to 5:30 p.m.

Design Toward Net Zero Energy Commercial Buildings

Tuesday, Jan 24 – 1:00 p.m. to 4:00 p.m.

The Commissioning Process & Guideline 0

Monday, Jan 23 – 2:30 p.m. to 5:30 p.m.



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