

The Squirrel Cage —Alamo ASHRAE

ASHRAE - Alamo Chapter #65 **San Antonio, TX** **Issue: November 2011 / Volume LI No. 5**

Alamo ASHRAE President's Message

Alamo ASHRAE,

In local news:

Start the upcoming holiday season with colleagues, a good meal, and a great presentation next Tuesday November 15th at Oak Hills Country Club. RSVP to Rezaur Rahman (rezaur@esaengineers.net) if you are planning to attend. Remember, there will not be a formal chapter meeting in December! However, we are planning our Alamo ASHRAE Holiday Social at Aldino at the Vineyard!! Bring your significant other for a wonderful evening! Details very soon….

In national news:

The 2012 ASHRAE Winter Conference is January 21-25, 2012 in Chicago, IL. Fun facts: The average HIGH temperature in January in Chicago is 30^0F! This is 8^0F lower than our average LOW temperature! Brrr…

The 2012 ASHRAE National Conference is June 23-27, 2012 in SAN ANTONIO! Since this conference is local, we are hoping you all will attend. Also, we are currently looking for volunteers. Please contact Fred Gleeson (Fred.Gleeson@eeiengineers.com) if you are interested.

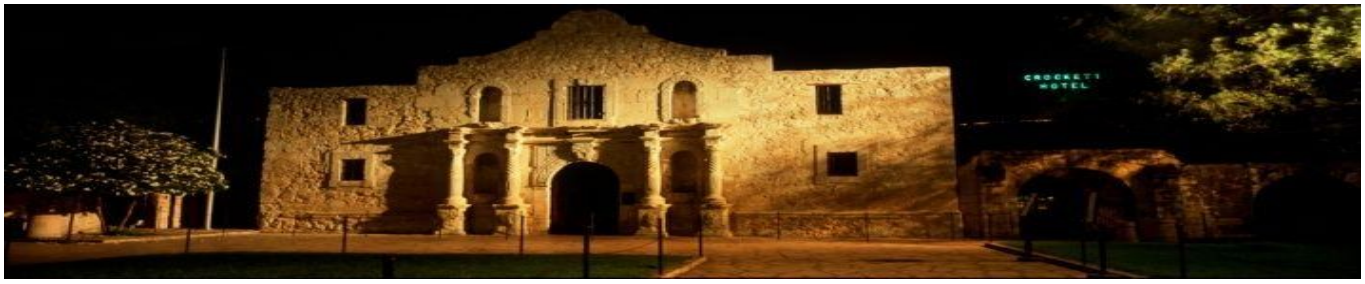
See you next Tuesday at the meeting!

Sincerely,

Jennifer King, PE, LEED AP
2011-2012 Alamo ASHRAE President

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ALAMO ASHRAE MEETING NOTICE



MEETING INFORMATION:

Speaker : Bob Nelson

"CPS STEP Rebate Program"

Tuesday - November 15, 2011
11:30 am—1:00 pm

Oak Hills Country Club
5403 Fredericksburg Road

Cost: $25.00 with reservation / $30.00 without
*Vegetarian available by prior request

Please **RSVP** to Rezaur@esaengineers.net
by the Monday before each meeting

Presentation Overview: Bob Nelson will present and update us on the current state of the CPS rebate programs…

Get paid to save energy? Yes, really.

As a business owner, you may be eligible to receive cash incentives for saving energy. CPS Energy offers existing rebates to commercial customers who take qualified measures to reduce their energy use. If you join the CPS Energy Savers program, you can qualify for an additional 10% on top of these existing rebates.

Take extra steps. Earn extra rebates.

As part of the CPS Energy Savers program, you can earn special rebates for energy saving measures that are not covered by current CPS Energy programs. These rebates can cover everything from installing new, energy saving technologies to taking innovative measures to use energy more efficiently. To take advantage of these incentives, program participants must submit an application for a firm quantity of kW and/or kWh reduction that will be realized through the measure(s) taken. Incentives will be based on project performance.



ASHRAE TRAINING & PUBLICATIONS ADVERTISEMENT

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)

CEU/PDH Credits Available!

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.

Data Center Energy Efficiency
Saturday, Jan 21 – 8:00 a.m. to 3:00 p.m.

Integrated Building Design
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.

Energy Modeling Best Practices and Applications: HVAC/Thermal
Tuesday, Jan 24 – 9:00 a.m. to 4:00 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.

Understanding & Designing Dedicated Outdoor Air Systems (DOAS)
Sunday, Jan 22 – 2:00 p.m. to 5:00 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.

Basics of High-Performance Building Design
Monday, Jan 23 – 8:30 a.m. to 11:30 a.m.

Complying with Standard 90.1-2010: Envelope/Lighting
Monday, Jan 23 – 8:30 a.m. to 11:30 a.m.

Energy Management in New & Existing Buildings
Monday, Jan 23 – 8:30 a.m. to 11:30 a.m.

Advanced High Performance Building Design
Monday, Jan 23 – 2:30 p.m. to 5:30 p.m.

The Commissioning Process & Guideline 0
Monday, Jan 23 – 2:30 p.m. to 5:30 p.m.

Comply with Standard 90.1-2010: HVAC/Mechanical
Monday, Jan 23 – 2:30 p.m. to 5:30 p.m.

Evaluating the Performance of LEED-Certified Buildings
Monday, Jan 23 – 2:30 p.m. to 5:30 p.m.

Combined Heat & Power
Tuesday, Jan 24 – 9:00 a.m. to 12:00 p.m.

Healthcare Facilities: Best Practice Design
Tuesday, Jan 24 – 9:00 a.m. to 12:00 p.m.

Project Management for Improved IAQ
Tuesday, Jan 24 – 9:00 a.m. to 12:00 p.m.

Healthcare Facilities: Best Practice Applications
Tuesday, Jan 24 – 1:00 p.m. to 4:00 p.m.

Design Toward Net Zero Energy Commercial Buildings
Tuesday, Jan 24 – 1:00 p.m. to 4:00 p.m.

ASHRAE LEARNING INSTITUTE

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.

Visit www.ashrae.org/hvacdesign to register

OFFICER'S DIRECTORY—LOCAL CHAPTER

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2012 Annual Meeting chair
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Methods of Effective Room Air Distribution—Dan Int-Hout

OCTOBER 18, 2011

Bob Schrader	David Pena	Jeff Tabb	Richard De La Cruz	Ted Liljenwall
Brad Gilbert	Eric Johnson	Kenner Coon	Rene Colunga	Wes Harvey
Chad Cullison	Elizabeth Kertesz	Mike Cervera	Robert Hambright	
Chip Drewry	Eric Ireton	Ken Graham	Richard Powell	
Chris Garcia	Gary Miller	Matthew Freund	Rezaur Rahman	
Chris Long	Greg Surfas	Mike Fauver	Robert Waxler	
Chris Pyles	John Freund	Michelle Harvey	Sean Duffy	
Clifford Tilbury	John Faultersack	Michael Madzy	Steve Huck	
Dustin	Jennifer Garlet	Mike Lawlor	Steve Morell	
Derek Brown	Jennifer King	Mike Layman	Shannon Novak	
Dennis Dalsing	Jim Knight	Paul Deltz	Steve Richey	
Dennis Flores	Jim Rodriguez	Paul Naizer	Scott Wells	
Dan Int-Hout	Jennifer Schmidt	R.J. Cotter	Todd Buck	

BOARD OF GOVERNORS MEETING MINUTES—NOVEMBER 1, 2011



CALL TO ORDER

ROLL CALL-JK,RO,RG,SN,BG,GW,MV,MM,ML,MK,WT,FG

OFFICER & CHAIR REPORTS

Treasurer – Shannon N

- Financial Report-Actual Amounts from Shannon??
- Oct Chpt Mtg-Made $! Two mos. in a row

CTTC – Brad G

- Meeting Speakers/Topics update
- Nov speaker to be CPS Strategic Energy Plan
- Monthly luncheon sponsors update-Solicit in newsletter
- Refrigeration May speaker

RP – Mike V

- Full Circle-Nov. 15th deadline
- RP Drive: Promote @ Nov. meeting!
- Poker Night 2012-Feb. around Rodeo time

Student Activities – Mario M

- Invite students to Nov. meeting
- National scholarships
- Local scholarships-$TBD in December; award late Jan.

Webmaster – Matt K

- Alamo ASHRAE website presentation
- Ion-Web shutdown
- Added Job Postings
- Regs. TBE by BOG
- Send Revion VIII websites
- Email Presentation

Newsletter – Aaron C (Jennifer K)

- **Deadline for submission to Nov. newsletter: Fri. Nov. 4 @ noon**
- Copy all RVC's on monthly newsletter

Historian-Manuel L

- PAOE Updated

Membership – Golda

- Get copied on mtg. attendees

Sustainability –Woody

- PAOE Updated

Summer Meeting –Fred

- Positive response as for volunteers
- Everything on track

Holiday Social Committee – Manuel L / Steve H

- 2011 ASHRAE Holiday Social: Tues. Dec. 13th
- $40/person, $75/couple at Aldino's (1604 and Blanco)
- RSVP by Nov. 18!
- Space is limited: 1st 44 who RSVP
- Send advertisement ASAP(Past Presidents' night)

OTHER BUSINESS

COSA – DSD matter-Motion passed to Table Issue

Presidential Award of Excellence (PAOE)

- Update: Only 20 pts away from Sustainability Award! Outstanding 1095 pts in YEA!!

www.ashrae.org => Member Login => Secure Chapter Activity => PAOE =>

- Update PAOE Chapter Totals

Nov. meeting – Oak Hills Country Club – Nov 15, 2011 11:30 AM – 1:00 PM

ADJOURN

TREASURER'S FINANCIAL REPORT



Treasurer's Report- As reported by Shannon Novak (Current as of 11/9/2011)	
Checking:	$ 12,978.17
Money Market:	$ 8,116.53
Petty Cash:	$ 200.00
TOTAL ASSETS:	**$ 21,294.70**

UPCOMING ALAMO ASHRAE EVENTS

Date	Topic	Speaker	Sponsor
Nov. 15, 2011	CPS Rebate Opportunities	Bob Nelson	Open
Dec. 13, 2011	No Meeting – Holiday Special	Stay Tuned For more Details Soon!	



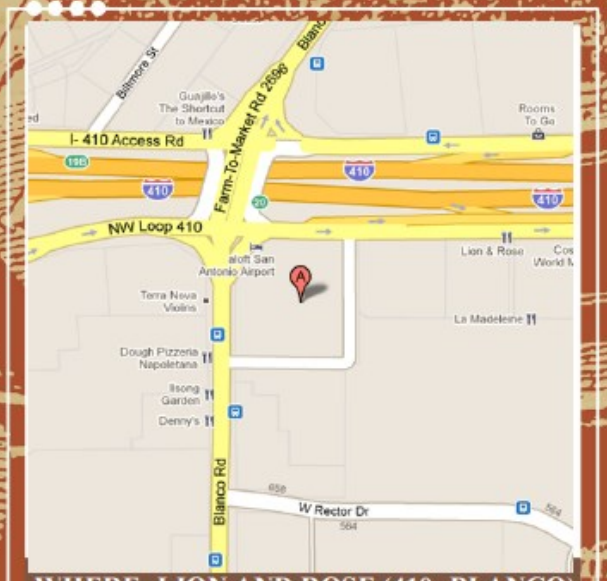
Truthful HVAC Joke of the day:

Q: How are air conditioners similar to computers?

A: They quit working properly when you open too many windows. Haha.

YOUNG ENGINEERS IN ASHRAE NOVEMBER MEETING

DISCUSSION TOPIC: Planning Next Year's Meeting Schedule



WHERE: LION AND ROSE (410 -BLANCO)
WHEN: WEDNESDAY, NOVEMBER 16TH
11:30 12:30

RSVP BY EVITE OR BY CONTACTING:
Stillman Jordan, (210) 841-2913
Email: stillman.jordan@hdrinc.com

DISCUSSION SUMMARY

This will be our planning meeting for next year.

Please join me to discuss what topics, speakers, and tours we want to see in our YEA meetings next year. There is no cost to actually attend this meeting however lunch will **not** be provided. You will have to buy yourself lunch at this meeting if you want to eat something.

I think we are really building our local YEA chapter into something we all can be proud of and i want you all to be a part of that.

If any person or company wants to sponsor and or host a meeting next year this is the perfect time to pitch your ideas to the group and get on the schedule.

Thanks and i hope to see you all there!

SPEAKER:

WHO EVER WANTS TO TALK!!!

AS ALWAYS WE DO NOT DISCRIMINATE BY AGE, SO ALL ASHRAE MEMBERS ARE WELCOME TO ATTEND AND CONTRIBUTE TO THE PLANNING OF NEXT YEAR'S YEA MEETINGS.

ASHRAE Scholarship Program:
Your Education Economizer

In the HVAC&R industry, economizers are used to reduce heating and cooling costs. The ASHRAE scholarship program also serves as an economizer, helping reduce the financial burdens of obtaining your engineering education. Without you, the future leaders of the HVAC&R industry, we at ASHRAE wouldn't be able to do what we do. So through our scholarship program, we aim to help you do what *you* do—learn.

Apply NOW!

ASHRAE has awarded nearly 200 scholarships during the past 20 years totaling more than $1 million. Nearly $80,000 in scholarships is available for the 2012–13 academic year. Applications are now being accepted for ASHRAE's 2012–2013 undergraduate engineering, regional and university specific scholarships.

www.ashrae.org/scholarships

"ASHRAE's scholarship has helped me cover my tuition expenses and materials, giving me the opportunity to satisfactorily fulfill my undergraduate degree. Not only has the help been economical, but it also helped me develop a genuine interest in this field. With this aid, I only have to focus on being well prepared so I can become a change agent within the HVAC&R industry. For these reasons I'm extremely grateful to ASHRAE and hope they'll continue supporting future engineers."



Jacob Vazquez, ITESM (Instituto Tecnologico y de Estudios Superiores de Monterrey) (Mexico), Region VIII Scholarship



"The Reuben Trane scholarship has solidified my involvement in the HVAC industry and has been instrumental in financing my education. It has opened doors for me to further integrate ASHRAE into my educational experience. As well, it has sparked the creation of the first McMaster University ASHRAE Student Branch, bringing my education even closer to the tremendous support and resources available through the ASHRAE network. I look forward to a long career in the HVAC industry."

Benjamin Oliver, McMaster University (Canada), Mechanical Engineering and management, Reuben Trane Scholarship

Application deadlines

Dec. 1, 2011–undergraduate engineering, regional and university-specific scholarships

May 1, 2012–undergraduate engineering technology scholarships and high school seniors scholarships



Other great resources to help you in engineering your future can be found at the ASHRAE StudentZone



Job Postings—Immediate Need

Mechanical Engineer, PE, LEED AP, HVAC/Plumbing **San Antonio, Texas**

J.M. Waller Associates, Inc. (JMWA®) offers environmental, engineering, construction and facility management services to government and commercial clients across the U.S. and around the world. We are seeking a Mechanical Engineer to become part of our new Design Center Team, the epicenter of federal design creation and management!

For eligibility requirements, information requests, or to submit applications, please contact:

Camille A. Filling CIR, ACIR, CDR, CSSR, PRC
Senior Corporate Recruiter
J. M. Waller Associates, Inc.
Tel: 703.912.2903 Ext.1116 | Cell: 703.868.9696

camille.filling@jmwaller.com | www.jmwaller.com

Marketing and Development

TTG Goetting has an opportunity for an Engineer (PE) that is interested in a marketing / development role. This can be an excellent career opportunity for the right person. Please contact Joseph Hernandez at jah@goetting.com or 210.530.7095 for more information. EOE

Easy Being Green



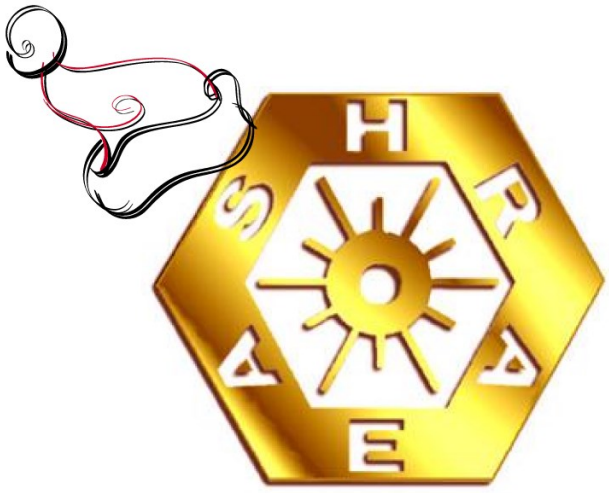
November 2011

This month's Sustainability article takes a look at the ASHRAE Advanced Energy Design Guides. The 30% savings guides have been available for years, but a newly released series raises the energy conservation bar to 50%. The 50% *Advanced Energy Design Guide* series provides a sensible approach to easily achieve advanced levels of energy savings without having to resort to detailed calculations or analysis. The four-color guides offer contractors and designers the tools, including recommendations for practical products and off-the-shelf technology, needed for achieving a 50% energy savings compared to buildings that meet the minimum requirements of ANSI/ASHRAE/IESNA Standard 90.1-2004. Energy savings for the recommendations vary depending on climate zones, daylighting options, HVAC system type, and office type but in all cases are at least 50% when compared to Standard 90.1-2004, ranging from 50% to 61%. Analysis also determined energy savings of approximately 46% when compared to Standard 90.1-2007 and 31% when compared to Standard 90.1-2010. The energy savings target of 50% is the first step in the process toward achieving a net-zero energy building, which is defined as a building that, on an annual basis, draws from outside resources equal or less energy than it provides using on-site renewable energy sources.

These guides have been developed through the collaboration of ASHRAE, the American Institute of Architects (AIA), the Illuminating Engineering Society of North America (IES), and the U.S. Green Building Council (USGBC), with support from the Department of Energy (DOE), to help meet all of an owner's energy performance requirements. In an effort to promote building energy efficiency, ASHRAE and its partners have made these guides available for download (PDF) at no charge. Go to www.ASHRAE.org for information on free download of these guides.

-Woody Thompson

Alamo ASHRAE Holiday Social



Jennifer King - Chapter President
Chapter Officers and Board of Governors
Invite you to a very special evening:

December 13, 2011

The ASHRAE Alamo Chapter Holiday Social

Place: Aldino at the Vineyard
(1203 NW Loop 1604 @ Blanco Rd)

Time: 7:00pm to 9:00pm

ASHRAE Alamo Chapter members & guests
($40.00/person) or ($75.00/couple)

RSVP must be received by Wed. Nov. 23rd.
This event is limited to the first 48 people to RSVP! DON'T MISS OUT!!

Special presentation by Virginia Van Cleave: The History of Christmas in Texas

Past Presidents of the Alamo Chapter will be honored & receive one free glass of wine.

MENU

House Green Salad w/ vinaigrette dressing
Focaccia Bread
Choice Of: Trout Picatta, Ravioli Di Vitello (Veal), or Pollo Gorgonzola
Cheesecake
Non-alcoholic Beverage

RSVP: RSVP to Jennifer King (Jennifer.King@merrick.com) by Wed. Nov. 23rd.

(**Note:** Because Alamo ASHRAE will be committed to paying for your meal,

you will be required to pay regardless of whether or not you attend.)