



THE SQUIRREL CAGE —ALAMO ASHRAE

ASHRAE - ALAMO CHAPTER #65

SAN ANTONIO, TX

ISSUE: DECEMBER 2012 / VOLUME LIII NO. 3

ALAMO ASHRAE PRESIDENT'S MESSAGE

Alamo ASHRAE,

Happy holidays and Merry Christmas! Fall has arrived, and I am sure most of us in the South Texas regions are looking forward to more days that are below 80 degrees.

I am excited to announce the 1st Annual Skeet Shoot was a great success on October 10th! We had 12 teams, 58 shooters, and raised \$1,166.67 for scholarships and research promotion.

I would like to give special thanks to Mike Voyten and Wes Weissgarber for coordinating the event. I want to thank Michelle McNatt, Madison Bryer, Melody Bentley and Allison Gragg for volunteering to help run the event. It would not have gone as smoothly without all that they did. I want to also thank our Sponsors; Range - Texas AirSystems & Texas AirProduct/Grundfos, Beverage - Mechanical Reps & Olan Wilson, and Food – Carrier. I hope everyone had a great time, and we look forward to doing it again next year!

In other news, Rezaur Rahman, our Attendance Chair, recently became a Citizen of the United States, and Wes Weissgarber, our Research Promotion Co-Chair, got married in September. So please congratulate both when you see them next!

Finally, in an effort to update our current members' information and reach out to prospective members, we mailed out Contact Information Update forms to our Alamo ASHRAE affiliates. Please help our chapter by filling out the forms and sending them back to us. If you have any questions or need more forms, please contact Dan Torres at dan.torres@dxseng.com.

Sincerely,

Rocky Ormand
2012-2013 Alamo ASHRAE President



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ALAMO ASHRAE CHRISTMAS SOCIAL



Alamo ASHRAE Christmas Social

Thursday, December 13, 2012 • 5:30

Hosted by Alamo ASHRAE

210-499-0004

MoMak's Malts & Burgers
13838 Jones Maltsberger Rd
San Antonio, Tx 78247

Please join us for our Annual Christmas Social. The event will be **\$10.00 per person** and we encourage you to bring your spouse or significant other. **Appetizers will be provided, and there is a cash bar.**

RSVP ONLINE...You should have received an EMAIL INVITATION FROM “(Alamo ASHRAE) mail@mail.punchbowl.com.”

If you didn't receive an EMAIL invitation, please email Madison Bryer @ madison.bryer@texasairsystems.com.

OFFICER'S DIRECTORY—LOCAL CHAPTER

Officers

President

Rocky Ormand
210-499-0004
rockyo@texasairsystems.com

President-Elect

Rey Gutierrez, EIT, LEED AP
210-363-1416
rey.gutierrez@jmwaller.com

Secretary

Tareq Ismail
210-224-8841
Tareq.ismail@cngengineering.com

Treasurer

J. Woody Thompson
(210) 301-4819
Woody.Thompson@rsandh.com

Board of Governors

Jennifer King, PE, LEED AP
210-446-4319
jennifer.king@merrick.com

Todd Buck
210-495-8100
tbuck@txap.com

Paul Naizer
210.416.1455
paulna@htseng.com

Martin Thomas
210-499-0004
martint@texasairsystems.com

Committee Chairs

Attendance

Rezaur Rahman
210-342-3483
rezaur@esaengineers.net

Honors & Awards

Ian Vohwinkle
210-546-0200
ivohwinkle@dbinc.com

Chapter Technology Transfer

Brad Gilbert
210-426-0887
bradg@htseng.com

Historian

Manuel Lizcano, PE
210-732-4440
MFLizcano@lceinc.net

Membership Promotion

Dan Torres
361-676-6805
dant@dxseng.com

Refrigeration Chair

Daniel Nuckolls
210-501-3926
Daniel.nuckolls@alctexas.com

Sustainability Chair

Raj Kapoor
210-379-5849
raj.rajkapoor@gmail.com

Newsletter Editor

Aaron Caldwell
210-516-1784
Aaron.Caldwell@trane.com

Research Promotion

Mike Voyten
210-650-9005
mikev@mechreps.com

Wes Weissgarber

210-650-9005
wesw@mechreps.com

Student Activities

Mario Mijangos
210-599-6120
mmijangos@brandteng.com

Website Editor

Matt Koch, PE, PhD
830-446-1839
mattkoch@scitex.us

YEA—Young Engineers

Stillman Jordan III, EIT
210-841-2913
Stillman.jordan@hdrinc.com

Tech Energy & Govt Activities

Fred Gleeson
210-496-3100
Fred.Gleeson@eeiengineers.com

Previous Meeting Attendance:

Energy Modeling—Speaker: Stillman Jordan / September 18, 2012 / Attendees: Alison Gragg, Andres Sobrevilla, Bill Crook, Brad Gilbert, Bill Wurzbach, Chris Delgado, Carol Frawley, Carmen Abad Fitts, Chris Garcia, Chris Long, Chris Richardson, Dean Alderson, Dennis Dalsing, Dennis Flores, Dick Grant, Dan Nesman, Darby Stacey, Dan Torres, Eric Johnson, Elizabeth Kertesz, Francisco Gomez, Ian Vohwinkle, Josh Baumgartner, James Drewry, John Freund, John Faultersack, Juan Jeffers, Jim Knight, Jennifer King, Ken Graham, Keith Reihl, Matt Bynum, Mike Furst, Mike Lawlor, Mike Voyten, Orlando Palacios, Paul Davila, Paul Deltz, Pat McLarry, Phillip Preston, Paul Raabe, Paru Shah, Rick Andrews, Rene Colunga, Ryan Flynn, Robert Hambright, Raj Kapoor, Randall Manteufel, Rocky Ormand, Richard Powell, Rezaur Rahman, Sukru Erisgen, Stillman Jordan, Steve Huck, Scott Smith, Stan Rakowitz, Scott Wunsch, Todd Buck, Thursten Simonsen, Todd Sparrow, Will Pearce, Woody Thompson, Vince Fuentez, Wes Weissgarber, Zac

Air Distribution Acoustics / Speaker: Steve Dikeman / October 16, 2012 / Attendees: Bill Crook, Brad Gilbert, Chris Delgado, Chris Long, Cowboy McCool, Dwayne Blevins, Dennis Dalsing, Dan Torres, Greg Surfas, Hector Carrisalez, Josh Baumgartner, James Drewry, John Freund, Karen Ball, Kenner Coon, Matthew Bynum, Matt Freund, Mike Fauver, Mike Lawlor, Manuel Lizcano, Mike Voyten, Paul Deltz, Paul Naizer, Phillip Preston, R.J. Cotter, Robert Hambright, Rob McNicol, Rocky Ormand, Rick Powell, Rezaur Rahman, Steve Dikeman, Steve Huck, Scott Wunsch, Todd Buck, Taylor Koerth, Travis McLeod, Tom Phillips, Walter Gleye, Woody Thompson, Wes Weissgarber

SEPTEMBER BOARD OF GOVERNORS MEETING MINUTES



ALAMO ASHRAE

2012/2013 PLANNING MEETING MINUTES

September 4, 2012 – 12:00 PM – Texas AirSystems

Presiding Officer: Rocky Ormand

CALL TO ORDER

ROLL CALL: President - Rocky Ormand, President Elect – Rey Gutierrez, Secretary – Tareq Ismail, Treasurer – Woody Thompson, Governor – Jennifer King, Governor – Martin Thomas, Governor – Todd Buck, Governor – Paul Naizer, CTTC – Brad Gilbert, Thursten Simonsen & Nishant Kanapilly, MP – Dan Torres, RP – Mike Voyten & Wes Weissgarber, Student Activities – Mario Mijangos, YEA – Stillman Jordan, Historian – Manuel Lizcano, Webmaster – Matt Koch, Newsletter – Aaron Caldwell, Sustainability – Raj Kapoor, Refrigeration – Daniel Nuckols, Attendance – Rezaur Rahman, Honors & Awards – Ian Vohwinkle, Government Activities – Fred Gleeson

OFFICER & CHAIR REPORTS

Treasurer – Woody Thompson

- Financial Report
- Accountant Year-End Report
- Tax Exempt Status
- Deposit for Skeet Shoot & Golf Tournament

CTTC – Brad Gilbert, Thursten Simonsen & Nishant Kanapilly

- Meeting Speakers & Topics (Deadline October 1st, 2012)
- Distinguished Lecturer (DL) – Kent Peterson (?) / Bob Barker (?)
- Sponsors
- MOB (Due October 1st, 2012)

Membership Promotion – Dan Torres

- Updates (?)
- Membership Mailing – Update Contact Information
- MOB (Due October 1st, 2012)

RP – Mike Voyten & Wes Weissgarber

- Update on Skeet Shoot
- Update on Golf Tournament
- Call List Campaign
- MOB (Due October 1st, 2012)

SEPTEMBER BOARD OF GOVERNORS MEETING MINUTES



...Continued from Previous Page

YEA – Stillman Jordan

- Upcoming Events/Upcoming Meetings
- Leadership Conference
- Possible Tour to Sysco Warehouse (?)

Refrigeration – Daniel Nuckols & Paul Naizer

- Topic for Program – Coordinate with CTTC
- YEA Coronation

Historian – Manuel Lizcano

- Digital Archives
- Articles

Newsletter – Aaron Caldwell

- Deadline for submissions to newsletter will be Fri after BOG mtg
- Copy all RVC's on monthly newsletter

Student Activities – Mario Mijangos

- Updates
- Scholarships

Webmaster

- Need new one

Sustainability – Raj Kapoor

- Updates

Honors & Awards – Ian Vohwinkle

- Updates

Government Activities – Fred Gleeson

- Updates

OLD BUSINESS

Presidential Award of Excellence (PAOE)

- Update points (Monthly)

SEPTEMBER BOARD OF GOVERNORS MEETING MINUTES



...Continued from Previous Page

Manual for Chapter Operations (MCO)

- **Management by Objectives (MBO) – * Due October 1st, 2012 ***
- **Email corresponding chair**

ASHRAE Region VIII Officers: <http://region8.ashraeregions.org/officers.htm>

NEW BUSINESS

ADJOURN

NOVEMBER BOARD OF GOVERNORS MEETING MINUTES



ALAMO ASHRAE

November 7, 2012 -- 12:00 PM -- Texas AirSystems

Presiding Officer: Rocky Ormand

CALL TO ORDER

ROLL CALL: President - Rocky Ormand, President Elect – Rey Gutierrez, Secretary – Tareq Ismail, Treasurer – Woody Thompson, Governor – Martin Thomas, Governor – Todd Buck, Sustainability – Raj Kapoor, Refrigeration – Daniel Nuckolls,

OFFICER & CHAIR REPORTS

Treasurer – Woody Thompson

- Financial Report
- Other updates
(look into using credit card swipe application to utilize credit at every event)

CTTC – Brad Gilbert, Thursten Simonsen & Nishant Kanapilly

- Meeting Speakers & Topics
- Distinguished Lecturer (DL)
- Sponsors
(the month of February and June are open for speakers. Refrigeration topic can be in the month of May or April)

Membership Promotion – Dan Torres

- Updates
- Membership Mailing – Update Contact Information for all members.

RP – Mike Voyten & Wes Weissgarber

- Update on Golf Tournament
- Call List Campaign
(Skeet shoot winners prizes to be provided at the BOG meeting)

YEA – Stillman Jordan

- Upcoming Events/Upcoming Meetings
- Leadership Conference.
- Possible Tour to Sysco Warehouse
(waiting on authorization)

Refrigeration – Daniel Nuckolls & Paul Naizer

NOVEMBER BOARD OF GOVERNORS MEETING MINUTES



...Continued from Previous Page

- Topic for Program – Coordinate with CTTC
- YEA Coordination
(Woody to and Raj to assist in the refrigeration presentaion)

Historian – Manuel Lizcano

- Digital Archives
- Articles

Newsletter – Aaron Caldwell

- Deadline for submissions to newsletter will be Fri after BOG mtg
- Copy all RVC's on monthly newsletter,
- Send a copy of the newsletter to USGBC.

Student Activities – Mario Mijangos

- Updates
- Scholarships

Webmaster

- Need new one

Sustainability – Raj Kapoor

- Updates

OLD BUSINESS

Presidential Award of Excellence (PAOE)

- Update points (Monthly)

ASHRAE Region VIII Officers: <http://region8.ashraeregions.org/officers.htm>

- Christmas Party at MoMac's in a form of Happy hour.

NEW BUSINESS

ASHRAE Expo in January.

ADJOURN

TREASURER'S FINANCIAL REPORT



3:36 PM
11/06/12
Cash Basis

ASHRAE Alamo Chapter Balance Sheet As of October 31, 2012

ASSETS

Current Assets

Checking/Savings

Checking 11,686.93

Money Market 8,120.01

Total Checking/Savings 19,806.94

Other Current Assets

Petty Cash 202.00

Total Other Current Assets 202.00

Total Current Assets 20,008.94

TOTAL ASSETS 20,008.94

LIABILITIES & EQUITY

Liabilities

Long Term Liabilities

Long Term Contributions

CRC (Reginal Conference) Host 15,500.00

Total Long Term Contributions 15,500.00

Total Long Term Liabilities 15,500.00

Total Liabilities 15,500.00

Equity

Opening Bal Equity -20,745.15

Retained Earnings 21,563.19

Net Income 2,573.05

Total Equity 3,391.09

TOTAL LIABILITIES & EQUITY 18,891.09

Learning Opportunities—Industry Happenings

...Contact your local chapter president for more info!

ASHRAE Learning Institute

Seminars & Courses at ASHRAE's Winter Conference and AHR Expo in Dallas, TX

2 WAYS TO REGISTER

Internet: www.ashrae.org/dallascourses

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

Full-Day Professional Development Seminars

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

The Commissioning Process in New & Existing Buildings

Saturday, Jan 26 – 8:00 a.m. to 3:00 p.m.

Complying with Standard 90.1-2010

Tuesday, Jan 29 – 9:00 a.m. to 4:00 p.m.

Data Center Energy Efficiency

Saturday, Jan 26 – 8:00 a.m. to 3:00 p.m.

Energy Modeling Best Practices and Applications:

HVAC/Thermal

Tuesday, Jan 29 – 9:00 a.m. to 4:00 p.m.

Healthcare Facilities: Best Practice Design & Applications

Saturday, Jan 26 – 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

Air-to-Air Energy Recovery Fundamentals

Sunday, Jan 27 – 2:00 p.m. to 5:00 p.m.

Commissioning Process & Guideline 0

Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

Humidity Control: Applications, Control Levels and Mold Avoidance

Sunday, Jan 27 – 2:00 p.m. to 5:00 p.m.

Evaluating the Performance of LEED®-Certified Buildings

Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

Air-to-Air Energy Recovery Applications: Best Practices

Monday, Jan 28 – 8:30 a.m. to 11:30 a.m.

Optimization of HVAC Systems & Components:

Techniques & Real-World Examples

Tuesday, Jan 29 – 9:00 a.m. to 12:00 p.m.

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

Monday, Jan 28 – 8:30 a.m. to 11:30 a.m.

Energy Management in New and Existing Buildings

Tuesday, Jan 29 – 9:00 a.m. to 12:00 p.m.

Combined Heat & Power: Design through Operations

Monday, Jan 28 – 8:30 a.m. to 11:30 a.m.

Avoiding IAQ Problems

Tuesday, Jan 29 – 9:00 a.m. to 12:00 p.m.

Understanding Standard 189.1-2011 for High-Performance Green Buildings

Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

Designing Toward Net Zero Energy Commercial Buildings

Tuesday, Jan 29 – 1:00 p.m. to 4:00 p.m.

Introduction to Ultraviolet Germicidal Irradiation (UVGI) Systems

Monday, Jan 28 – 2:45 p.m. to 5:45 p.m.

Understanding & Designing Dedicated Outdoor Air Systems

Tuesday, Jan 29 – 1:00 p.m. to 4:00 p.m.

Laboratory Design: The Basics and Beyond

Tuesday, Jan 29 – 1:00 p.m. to 4:00 p.m.

HVAC Design Training

Jan 14-18, 2013 • Jan 30-Feb 1, 2013 (Level I only) • Mar 18-22, 2013 • Jun 3-7, 2013 • Aug 12-16, 2013

HVAC Design: Level I - Essentials

Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II - Applications

Developed by industry-leading professionals, the workshop provides participants with advanced level information about designing, installing and maintaining HVAC systems that can be put to immediate use. Participants will gain an in-depth look into Standards 55, 62.1, 90.1, and 189.1 and the Advanced Energy Design Guides, as well as a range of other HVAC topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

Visit www.ashrae.org/hvacdesign to register

MORE Learning Opportunities

ASHRAE Learning Institute

Seminars & Courses at ASHRAE's Winter Conference and AHR Expo in Dallas, TX

2 WAYS TO REGISTER

Internet: www.ashrae.org/dallascourses

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

Full Day Professional Development Seminar
\$485/\$395 ASHRAE Member — Earn 6 PDH/.6 CEU or 6 AIA LU credits

<p>The Commissioning Process in New & Existing Buildings Saturday, Jan 26 — 8:00 a.m. to 3:00 p.m.</p> <p>Data Center Energy Efficiency Saturday, Jan 26 — 8:00 a.m. to 3:00 p.m.</p> <p>Healthcare Facilities: Best Practice Design & Applications Saturday, Jan 26 — 8:00 a.m. to 3:00 p.m.</p>	<p>Complying with Standard 90.1-2010 Tuesday, Jan 29 — 9:00 a.m. to 4:00 p.m.</p> <p>Energy Modeling Best Practices and Applications: HVAC/Thermal Tuesday, Jan 29 — 9:00 a.m. to 4:00 p.m.</p>
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Half Day Short Courses
\$159/\$119 ASHRAE Member — Earn 3 PDH/.3 CEU or 3 AIA LU credits

<p>Air-to-Air Energy Recovery Fundamentals Sunday, Jan 27 — 2:00 p.m. to 5:00 p.m.</p> <p>Humidity Control: Applications, Control Levels and Mold Avoidance Sunday, Jan 27 — 2:00 p.m. to 5:00 p.m.</p> <p>Air-to-Air Energy Recovery Applications: Best Practices NEW Monday, Jan 28 — 8:30 a.m. to 11:30 a.m.</p> <p>Application of Standard 62.1-2010: Multiple Spaces Equations & Spreadsheet Monday, Jan 28 — 8:30 a.m. to 11:30 a.m.</p> <p>Combined Heat & Power: Design through Operations NEW Monday, Jan 28 — 8:30 a.m. to 11:30 a.m.</p> <p>Understanding Standard 189.1-2011 for High-Performance Green Buildings Monday, Jan 28 — 2:45 p.m. to 5:45 p.m.</p> <p>Introduction to Ultraviolet Germicidal Irradiation (UVGI) Systems NEW Monday, Jan 28 — 2:45 p.m. to 5:45 p.m.</p>	<p>Commissioning Process & Guideline 0 Monday, Jan 28 — 2:45 p.m. to 5:45 p.m.</p> <p>Evaluating the Performance of LEED®-Certified Buildings Monday, Jan 28 — 2:45 p.m. to 5:45 p.m.</p> <p>Optimization of HVAC Systems & Components: Techniques & Real-World Examples NEW Tuesday, Jan 29 — 9:00 a.m. to 12:00 p.m.</p> <p>Energy Management in New and Existing Buildings Tuesday, Jan 29 — 9:00 a.m. to 12:00 p.m.</p> <p>Avoiding IAQ Problems Tuesday, Jan 29 — 9:00 a.m. to 12:00 p.m.</p> <p>Designing Toward Net Zero Energy Commercial Buildings Tuesday, Jan 29 — 1:00 p.m. to 4:00 p.m.</p> <p>Understanding & Designing Dedicated Outdoor Air Systems Tuesday, Jan 29 — 1:00 p.m. to 4:00 p.m.</p> <p>Laboratory Design: The Basics and Beyond NEW Tuesday, Jan 29 — 1:00 p.m. to 4:00 p.m.</p>
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HVAC Design Training

Jan 14-18, 2013 • Jan 30-Feb 1, 2013 (Level I only) • Mar 18-22, 2013 • Jun 3-7, 2013 • Aug 12-16, 2013

HVAC Design: Level I - Essentials

Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

Registration is \$1239, \$989 (ASHRAE Member)

Enroll 3 or more participants from the same company and save!



HVAC Design: Level II - Applications

Developed by industry-leading professionals, the workshop provides participants with advanced level information about designing, installing and maintaining HVAC systems that can be put to immediate use. Participants will gain an in-depth look into Standards 55, 62.1, 90.1, and 189.1 and the Advanced Energy Design Guides, as well as a range of other HVAC topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

Registration is \$829, \$679 (ASHRAE Member)

Enroll 3 or more participants from the same company and save!

Visit www.ashrae.org/hvacdesign to register

Alamo ASHRAE Contact Info

Is your company missing any ASHRAE opportunities?



To: Office Manager

Re: Alamo ASHRAE Membership

From: Dan Torres – Alamo ASHRAE Membership Promotion Chair

Hello,

The intention of this letter is to help update the current contact information for Alamo ASHRAE (American Society of Heating, Refrigeration, and Air-conditioning Engineers) members, as well as to reach out to prospective members for the San Antonio Chapter. The Alamo chapter of ASHRAE is actively seeking new members interested in networking and learning through the opportunities that the San Antonio chapter has to offer. At your earliest convenience, if you would please fill out the attached form with current and/or prospective ASHRAE member contact information and return to dant@dxseng.com or fax #: 210-340-2575. This should only take a few minutes and will help our local chapter immensely.

Our next Alamo Chapter of ASHRAE meeting will be held on Tuesday, October 16th at Oak Hills Country Club from 11:30 A.M. to 1 P.M. The topic to be covered is Air Distribution Acoustics. This topic will be presented by Steve Dikeman of AcoustiFLO, a professional with over 25 years of experience in the HVAC industry. The lunch provided will be **FREE** for any prospective ASHRAE members. All current and prospective members are encouraged to RSVP to: rezaur@esaengineers.net

Thank you for taking the time to read through this letter, and I urge you to come see us on Tuesday the 16th! For any more information please do not hesitate to contact me at 361-676-6805 or please visit: www.alamoashrae.org

Best Regards,

Dan Torres

Direct Expansion Solutions

Alamo ASHRAE Contact Info

Is your company missing any ASHRAE opportunities?

...Continued from Previous Page



Contact Information

Name: _____
Company: _____
Email: _____
Telephone: _____

Alamo ASHRAE Member: YES or NO (Please Circle)

Contact Information

Name: _____
Company: _____
Email: _____
Telephone: _____

Alamo ASHRAE Member: YES or NO (Please Circle)

Contact Information

Name: _____
Company: _____
Email: _____
Telephone: _____

Alamo ASHRAE Member: YES or NO (Please Circle)

Contact Information

Name: _____
Company: _____
Email: _____
Telephone: _____

Alamo ASHRAE Member: YES or NO (Please Circle)



ASHRAE PRESS RELEASE—ANNOUNCEMENT

Oct. 30, 2012

Water Conservation Standard Opens for First Public Comment

ATLANTA – With HVAC&R systems accounting for approximately a third of water consumption in a typical office building, the need to minimize water usage is a major consideration in the built environment industry.

A standard to provide baseline requirements for the design of buildings, site and mechanical systems is being developed by ASHRAE, the American Society of Plumbing Engineers (ASPE), the American Water Works Association (AWWA) and the U.S. Green Building Council (USGBC).

ASHRAE/USGBC/ASPE/AWWA Standard 191P, Standard for the Efficient Use of Water in Building, Site and Mechanical Systems, is currently open for public comment from Oct. 26 until Dec. 10, 2012. To comment on the proposed standard or for more information, visit www.ashrae.org/publicreviews.

“Water efficiency and conservation is a critical factor in the design and operation of buildings,” John Swift, chair of the committee writing the standard, said. “Buildings consume 20 percent of the world’s available water, a resource that becomes scarcer each year. Efficient practices and products provide opportunities to save significant amounts of water. The reduction of energy use and operating costs and the expectation of increased government regulation will continue to drive faster adoption of water-efficient products and methods.”

The requirements in the standard would optimize the volume of water required to operate HVAC systems, plumbing systems and irrigation systems. There is currently no standard document that adequately and comprehensively addresses the issue of how to efficiently use water in the design, construction and operation of buildings, according to Swift.

The proposed standard covers HVAC&R and non-HVAC&R systems including: evaporative heat rejection, humidification systems, thermal storage, ground source pump systems, water heating systems, laboratory facilities and residential appliances. It would not apply to storm water management.

The standard will provide the tools that a design team needs to properly apply water efficiency measures on all aspects of a building design and construction project. In order to optimize water efficiency in buildings, plumbing, fire protection and HVAC&R engineers must work closely with civil engineers and landscape architects in putting together a functional building mechanical system.

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, refrigeration and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow’s built environment today.



ASHRAE PRESS RELEASE—ANNOUNCEMENT

For Release:
Oct. 17, 2012

Contact: Amanda Dean
Public Relations
678-539-1216
adean@ashrae.org

ASHRAE, AHR Expo Return to Dallas, Texas for 2013 Winter Conference

ATLANTA—Deep in the heart of Texas, where the stars at night are big and bright, ASHRAE is convening for its 2013 Winter Conference to corral energy use and blaze the way in high performing building design.

The 2013 Winter Conference takes place Jan. 26-30 at the Sheraton Dallas. To register and for complete Conference information, visit www.ashrae.org/dallas.

The International Air-Conditioning, Heating, Refrigerating Expo®, held in conjunction with the Winter Conference, will run Jan. 28-30. The Expo, www.ahrexpo.com, is held at the Dallas Convention Center.

In keeping with ASHRAE's goal of continuing education the Conference offers some 200 Professional Development Hours, as well as Continuing Education Units, which can be applied toward a professional engineering license.

The technical program features more than 200 sessions addressing energy conservation; facility management: operations, technology and energy improvements; large building design; standards, guidelines and codes; HVAC&R systems and equipment; HVAC&R fundamentals and applications; and refrigeration. One particular track of note is Industrial and Transportation Ventilation, focusing on the industrial and manufacturing sector prevalent in Texas. The full Technical Program offers the opportunity to earn a year's worth of PDHs, NY PDHs, AIA LUs and LEED AP credits and runs Jan. 27-30.

Five Professional Development Seminars and 15 Short Courses are offered to help industry professionals stay current on HVAC technology, including how to apply the newest ASHRAE standards. The ASHRAE Learning Institute (ALI) is offering five new half-day short courses on everything from the basics of laboratory design to techniques for optimizing HVAC systems and components. The full-day professional development seminars focus on the commissioning process; data center energy efficiency; healthcare facilities; complying with Standard 90.1-2010 and energy modeling best practices. ALI courses are approved for renewal of professional engineer and professional architect licenses, as well as for industry certification programs. www.ashrae.org/Dallascourses.

The Conference's Plenary will feature former Pittsburgh Steelers quarterback Rocky Bleier. Despite being wounded in both legs during the Vietnam War, he embarked on a two-year road to recovery, and eventually pressed on to become one of the Steelers' top leading ground-gainers, passing the 1,000-yard rushing mark in one season, and contributing to four Super Bowl victories. Bleier's speech, "Be the Best You Can Be," motivates audiences to keep on striving for greater accomplishments. He shares his remarkable story during the Plenary, 3:15 p.m., Saturday, Jan. 26.

Additionally, ASHRAE offers a special administration of all six certification examinations on Wednesday Jan. 30: Building Energy Assessment Professional (BEAP), Building Energy Modeling Professional (BEMP), Commissioning Process Management Professional (CPMP), High-Performance Building Design Professional (HBDP), Healthcare Facility Design Professional (HFDP) and Operations & Performance Management Professional (OPMP). ASHRAE's certification program recognizes industry professionals who have mastered knowledge and skills reflecting best practices in certain aspects of building design and operations. More information on each certification can be found at www.ashrae.org/certification.

ASHRAE Conference technical tours give you a first-hand look at technology developed by members to further the industry. Tours include the Southern Methodist University, the Baylor Charles A. Sammons Cancer Center and Cowboys Stadium.

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, refrigeration and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow's built environment today.



ASHRAE PRESS RELEASE—ANNOUNCEMENT

For Release:
Oct. 3, 2012

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ASHRAE Brings Technology, People Power in Support of Engineering for Change

ATLANTA – ASHRAE has joined forces with an international engineering program to encourage its members to use their knowledge and technology to meet humanitarian challenges across the globe.

ASHRAE is now a network supporter of Engineering for Change (E4C). E4C is a growing community of engineers, technology professionals, designers, scientists, non-governmental organizations (NGOs) and local community advocates who are working together to design, apply and share innovative and sustainable technical solutions to a broad range of humanitarian challenges in local communities around the world.

“By partnering with Engineering for Change, our members can contribute their knowledge and our technology to help improve the quality of life for people around the world,” ASHRAE President Tom Watson said. “Our involvement allows us to match the technology to the need, to find affordable solutions that benefit communities and ourselves.”

“We are delighted to welcome ASHRAE to the E4C coalition,” Noha El-Ghobashy, president of Engineering for Change, said. “ASHRAE’s longstanding commitment to the promotion of engineering excellence in the service of sustainability and humanity makes it a natural ally for the work of the E4C coalition. We look forward to working together with ASHRAE and its distinguished membership for years to come.”

The initiative is part of Watson’s presidential theme Broadening ASHRAE’s Horizons, which emphasizes the role of ASHRAE members as leaders in the application of sustainable design and practices in our communities worldwide.

Under E4C (www.ashrae.org/e4c), ASHRAE members can get involved with existing projects or start new ones. Watson noted that there is a wide range of projects – from refrigeration to hospitals to indoor air quality – to which members could contribute their technical expertise.

Watson also is encouraging ASHRAE members and chapters to examine ways to get more involved in their local communities. Another effort underway is ASHRAE’s Community Sustainability Project program (www.ashrae.org/community), which is designed to encourage members to volunteer with local non-profits or other associations for activities such as engineering and installation of energy efficiency measures for their facilities.

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ASHRAE PRESS RELEASE—ANNOUNCEMENT

For Release: Oct. 2, 2012

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Groundbreaking Information for Data Center Energy Efficiency Guidance

ASHRAE Releases Third Edition of Thermal Guidelines for Data Processing Environments

ATLANTA – Four new data center classes that can enable fulltime economizers for a number of applications in many climates are contained in the latest edition of the principal book in the ASHRAE Datacom Series of publications.

Since its first edition in 2004, ASHRAE's "Thermal Guidelines for Data Processing Environments," published by ASHRAE's Technical Committee (TC) 9.9, Mission Critical Facilities, Technology Spaces and Electronic Equipment, has become the de-facto reference material for unbiased and vendor-neutral information on the design and operational parameters for the entire datacom (data centers and telecommunications) industry.

Based on the latest information from major IT equipment manufacturers, which are an integral part of the committee, it has never been easier to obtain the most meaningful data to guide data center designers and operations staff to design and run their facilities in the most energy efficient manner possible, including how to operate in a completely "chillerless" environment. Further, the guidance enables a more energy efficient operation without compromising the reliability or "mission" of the data center.

"This third edition creates more opportunities to reduce energy and water consumption but it is important to provide this information in a manner that empowers the ultimate decision makers with regards to their overall strategy and approach," Don Beaty, chair of the Publications Subcommittee of TC 9.9, said. "The idea is to provide objective data, methodology and guidance, but at the same time, respect the right of the data center designers, owners and operators to optimize the operating environment of their data center based on the criteria most important to their business needs."

Highlights in this third edition include new air and liquid equipment classes and expanded thermal envelopes for facilities that are willing to explore the tradeoffs associated with the additional energy saving of the cooling system through increased economizer usage and what that means in terms of the impact to IT equipment attributes such as reliability, internal energy, cost, performance, contamination, etc.

"The most valuable update to this edition is the inclusion of IT equipment failure rate estimates based on inlet air temperature," Beaty said. "These server failure rates are the result of the major IT original equipment manufacturers (OEM) evaluating field data, such as warranty returns, as well as component reliability data. This data will allow data center operators to weigh the potential reliability consequences of operating in various environmental conditions vs. the cost and energy consequences."

The book is part of the ASHRAE Datacom Series, developed to provide a more comprehensive treatment of datacom cooling and related subjects. Other books in the series are "Green Tips for Data Centers," "Particulate and Gaseous Contamination in Datacom Environments," "High Density Data Centers – Case Studies and Best Practices," "Design Considerations for Datacom Equipment Centers," "Best Practices for Datacom Facility Energy Efficiency," "Datacom Power Trends and Cooling Applications," "Real-Time Energy Consumption Measurements in Data Centers," "Liquid Cooling Guidelines for Datacom Equipment Centers" and "Structural and Vibration Guidelines for Datacom Equipment Centers."

The cost of "Thermal Guidelines for Data Processing Environments, Third Edition," is \$54 (\$46, ASHRAE members). To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit www.ashrae.org/bookstore.

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**Position: MEP Project Engineer**

LNV is seeking a **MEP Project Engineer** for our San Antonio Texas office. This Project Engineer will report to the lead Mechanical, Electrical, Plumbing Engineer.

For a full description of this job posting, [Click Here](#).

Required:

- Accreditation Board for Engineering and Technology (ABET) accredited (Mechanical Preferred) Engineering degree
- Must have a Texas Professional Engineer license (Mechanical Engineering Preferred)
- Proficiency in Microsoft Office Suite (Word, Excel, Microsoft Project); AutoCAD; BIM
- Proficiency in software related to MEP design
- Must hold a valid driver's license and be able to travel 50% of the time.

Preferred:

- Proficient in the use of Trane Trace™, DOE-2 eQuest®, COMcheck™, Energy Star ratings.
- LEED AP certification, Commissioning Professional, Certified Energy Manager
- ASHRAE member, NAESCO member, Master Degree

Do you have a job opening that you would like to advertise? Please coordinate with Rocky Ormand @ rockyo@texasairsystems.com if you would like to consider posting a job opportunity in next month's edition of The Squirrel Cage!