

The Squirrel Cage —Alamo ASHRAE

ASHRAE - Alamo Chapter #65 **San Antonio, TX** **Issue: July 2014 Volume LIV No. 01**

Alamo ASHRAE President's Message

Alamo ASHRAE,

Summer is here in full force! Mark my words – it will be hot. We will take the month of July off from our monthly chapter meeting, but will kick off the new ASHRAE year in August with a party – stay tuned for more info. I look forward to seeing everyone there. Let's get as many members as possible there, even if it's only for a drop-in.

I'd like to thank our Officers and Board of Governors for their volunteer efforts this year; we have a great leadership team who is ready to perform. Rey and his team did an excellent job this past year and we plan to follow suit. If you feel interested in becoming more involved with Alamo ASHRAE, please let us know.

ASHRAE is the governing body of our industry, without it, chaos ensues. Let's challenge ourselves and other members to promote ASHRAE; this is **our chapter** – we can do what we want to instigate growth and participation. Send me or anyone on the Board of Governors ideas you have to make our chapter, meetings, YEA, or other events even better. I promise you, if we agree on an idea, we will do it! Remember this is **our chapter**, let's make it great.

Sincerely,
Wes Weissgarber
2014-2015 Alamo ASHRAE President

ASHRAE Alamo Chapter

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Alamo ASHRAE Meeting Notice: July 2014—No Meeting



We will not meet this month. We will meet again in August, stay tuned for more details.

Past Events:
YEA Lunch And Learn
Fredrich Air Conditioning



A big thanks goes out to Fredrich Air Conditioning for sponsoring out last YEA Lunch and Learn. On June 19th the 15 YEA members in attendance learned about: PTACs, Split Systems, EER versus SEER and MUCH more. A big thanks again to everyone who made this event possible!

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Meeting Topic: Texas Board of Professional Engineers – Professional Practice Update / Ethics
Location: Oak Hills Country Club, 5403 Fredericksburg Road, San Antonio, TX
Speaker: David Howell, P.E. Deputy Executive Director & Director of Licensing Texas Board of Professional Engineers
Date: June 17, 2014

Previous Meeting Attendance:

Anthony Bailey, Alison Gragg, Aaron Caldwell, Brad Bright, Bill Crook, Brad Gilbert, Bob Hall, Butch Tarrillion, Bill Wurzbach, Chris Burger, Chip Drewry, Christopher Garcia, Cowboy McCool, Cliff Tilbury, Don Barker, Derek Brown, Dennis Dalsing, David Howell, Daniel Seltzer, Dustin Williams, Eric Hernandez, Eric Johnson, Eric Sell, Eduardo Zavala, Frank Painter, John Faultersack, John Freund, John Ferencak, Jon Hermann, Gentry Colvin, Joaquin Hernandez, John Grothues, Jennifer Schmidt, Joe Reynolds, Jessica Ries, Keith Robinson, Kern Tucker, Matt Koch, Mike Martin, Mike Lawlor, Mark Severyn, Mark Savage, Orlando Palacios, Phil Gamble, Richard DeLaCruz, Rey Gutierrez, Rick McHugh, Rezaur Rahman, Ryan Royal, Steve Huck, Teresa Saldana, Will Fawcett, Walter Gleye, Wes Weissgarber

ASHRAE Alamo Chapter



TREASURER'S FINANCIAL REPORT: JULY 2014

ASHRAE BALANCE SHEET (2013 – 2014)



Current as of:	7/9/14
ASSETS	
Banking Current Assets	
Checking Account	$ 12,280.85
Savings	$ 15,500.19
Subtotal Current Assets	$ 27,781.04
Other Current Assets	
Petty Cash	$ 200.00
TOTAL ASSETS	$ 27,981.04



ASHRAE News

ASHRAE PRESS RELEASE—ANNOUNCEMENT

ASHRAE Guideline on Specifying Building Automation Systems Published; Open for Public Review

ATLANTA – Guidance on performance monitoring is featured in a newly published guideline from ASHRAE.

ASHRAE Guideline 13-2014, *Specifying Building Automation Systems*, provide designers of building automation systems (BAS) with background information, recommendations for good practice, project considerations, and detailed discussion of options with respect to the design of a BAS system. The guideline includes online access to an example specification that illustrates the concepts described throughout the document.

The new informative Annex D Performance Monitoring was included to assist in the specification of performance monitoring systems.

"The guideline defines three levels of performance monitoring and provides criteria for each level," Dave Kahn, chair of the Guideline 13 committee, said. "This allows even the basic systems to realize some performance monitoring benefits. It allows monitoring and reporting of HVAC equipment function and operating efficiency, energy consumption and environmental conditions. Careful grouping of X-Y type plots can provide information required to monitor and, if necessary, troubleshoot each different part of the HVAC system. A Level 3 automated fault diagnosis can be used to predict faults. Performance monitoring can direct a building owner to additional energy savings potential at the plant or equipment level."

The Cost of Guideline 13-2014, *Specifying Building Automation Systems*, is $95 ($81, ASHRAE members). To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 678-539-2129, or visit www.ashrae.org/bookstore.

ASHRAE is already looking ahead to changes to the 2017 version of the guideline. Addendum *a* to the standard is open for an advisory public review from June 6 to July 21, 2014. For more information or to comment, visit www.ashrae.org/publicreviews.

"Under the proposed change, the guideline is being rewritten to update the use of the Internet as the primary method for networking BAS devices," Kahn said. "The Guideline contains very little specification language on the Internet. Our Committee hosted a consultation seminar at the 2013 ASHRAE Conference, and attendees told us internet connectivity was the top issue we need to address."

The significant changes under proposed addenda *a* are:

- discussion of BAS Design Options using IP and non-IP devices
- Use of new software tools, such as energy dashboards
- Strategies that BAS designers can use when working with the Enterprise IT department to deal with securing BAS devices on the Enterprise Intranet.
- A new Clause 12, BAS Device Network Design, written as a standalone section so readers who are responsible for this work can refer to one section for all information on this topic.
- A new Clause 13 addressing options for migrating legacy control systems to the Enterprise Intranet.

More information about the guideline is available in a seminar at ASHRAE's 2014 Annual Conference, June 28-July 2, Seattle, Wash. Kahn is scheduled to give a presentation on specifying performance monitoring with the guideline as part of a session on monitoring. The seminar takes place at 8 a.m. Wednesday, July 2. For more information, visit www.ashrae.org/seattle.

For Release:
June 17, 2014
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ASHRAE News

ASHRAE PRESS RELEASE—ANNOUNCEMENT

ASHRAE bEQ Program Qualifies for Florida Rating System under Energy Bill

ATLANTA – Under amended legislation recently signed, the building energy rating and labeling program known as Building Energy Quotient (bEQ) now qualifies as an energy rating option for buildings in the state of Florida.

Florida Governor Rick Scott signed House Bill 7147, which qualifies the bEQ program as an approved system, on Friday, June 13. The provisions in the bill amend a 2013 Florida law specifying requirements for energy ratings for all residential, commercial and state-owned buildings.

"ASHRAE commends the state of Florida for recognizing the importance of requiring collection of the information necessary for making informed decisions about the energy use of buildings where we live, work and play," ASHRAE President Bill Bahnfleth said. "The ultimate goal of the bEQ program is to promote more energy efficient buildings and give owners more control over rising energy costs, Understanding a building's energy use characteristics is the critical first step in identifying and implementing measures that will economically and responsibly reduce energy use and costs."

ASHRAE felt interpretations of the original 2013 law were incorrect, raising questions about how a person or company becomes qualified or approved to provide this rating.

In recent months, ASHRAE worked on an amendment to better define what constitutes an approved building energy efficiency rating system. Under the change, the bEQ program qualifies as an approved system. The bill becomes effective July 1, 2014.

bEQ is a building energy rating and labeling program, offering two labels: an *As Designed* label that rates the building design's potential energy use under standardized conditions—independent of the building's occupancy and usage—and an *In Operation* label that rates the building's actual measured metered energy use as influenced by the building's occupancy, operation and usage.

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ASHRAE News

ASHRAE PRESS RELEASE—ANNOUNCEMENT

ASHRAE/IES Publish User's Manual for Standard 90.1

ATLANTA – Guidance on how to incorporate changes regarding building envelope, lighting, mechanical and the energy cost budget in the 2013 energy standard from ASHRAE and IES are included in a newly published User's Manual.

ANSI/ASHRAE/IES Standard 90.1-2013, *Energy Standard for Buildings Except Low-Rise Residential Buildings,* incorporates 110 addenda, reflecting changes made through the public review process.

Because the standard is written in mandatory language and is not intended as a design specification or an instruction manual, the User's Manual was developed to minimize multiple interpretations of Standard 90.1 that may occur.

The manual helps users of the standard understand its principles and requirements and how to comply with them. It also includes measurements and calculations in both I-P and SI units, making it usable with either edition of Standard 90.1.

The book includes sample calculations, application examples and references to helpful resources and websites. It is intended for architects, engineers, contractors, code officials and other building professionals, and is also suitable for use in educational programs.

In addition, purchasers of this User's Manual can download compliance forms and tools from ASHRAE.org.

"Including all the forms and instructions together in one location vs. including them in print allows users to download the package for continual use in their business," Drake Erbe, Standard 90.1 committee chair, said.

The cost of the User's Manual to ANSI/ASHRAE/IES Standard 90.1-2013, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, is $115 ($98, ASHRAE members). To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 678-539-2129, or visit www.ashrae.org/bookstore.

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ASHRAE News

ASHRAE PRESS RELEASE—ANNOUNCEMENT

3rd Annual Research Summit Presented

Call for Papers for ASHRAE 2015 Annual Conference

ATLANTA — ASHRAE is seeking papers for its 2015 Annual Conference in Atlanta, Ga., June 27-July 1, 2015.

"The 2015 Annual Conference in Atlanta will have a strong focus on the design, construction and operation of high performance buildings as four of the nine tracks in the conference focus on advanced design guidance, modeling, operation and optimization, and indoor air quality, which are key aspects of high performance buildings along with one track that explicitly considers measured results and other aspects of high performance buildings," David Claridge, conference chair, said.

The third annual **Research Summit** brings together researchers to present and discuss the latest research. Papers describing ASHRAE-related research are encouraged as well as papers from societies and associations worldwide.

The **Moving Advanced Energy Design Guidance to the Mainstream Track** focuses on the Advanced Energy Design Guides and seeks papers on methods for using the guides, including actual building case studies and other documented uses to move the market towards energy efficiency.

The **High Performance Buildings Track** extends ASHRAE's extensive activities in the design and measured performance of these buildings by seeking papers on these successes as well as identifying shortfalls where high performance has fallen considerably short of the design.

Real engineering as applied to operation, maintenance and operational optimization or "commissioning" can bring increased comfort and offers huge financial returns. The **Building Operation, Maintenance, and Optimization/ Commissioning Track** seeks papers related to all aspects of this topic.

Computational capacity and data collection capability has expanded the scope, complexity and practical applications of modeling. The **Modeling throughout the Building Life Cycle Track** seeks papers related to all aspects of building modeling and, in particular, successful applications that have extended modeling into operational phases of the building life cycle.

Indoor air quality is closely linked to comfort and to occupant satisfaction, productivity and health. The **Indoor Air Quality Track** seeks papers that explore these links, particularly in ways that make the case for high levels of IAQ compelling to building owners.

The **Refrigeration Track** has an emphasis on related refrigeration technologies that will reduce the use of traditional refrigerants including evaporative cooling and desiccants.

As with past ASHRAE conferences, the Atlanta Conference also seeks papers addressing advances and practices across HVAC&R systems, equipment, fundamentals and applications.

Conference paper abstracts are due Sept. 22, 2014. Upon acceptance, papers will be due Jan. 5, 2015. These papers undergo a single-blind review.

Full technical papers are due Sept. 22, 2014. Papers submitted for review must be both technically accurate and clearly written. These papers undergo a rigorous double-blind review and will be published in ASHRAE Transactions.

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