



# THE SQUIRREL CAGE —ALAMO ASHRAE

ASHRAE - ALAMO CHAPTER #65

SAN ANTONIO, TX

ISSUE: OCTOBER 2015 VOLUME LV NO. 04

## ALAMO ASHRAE PRESIDENT'S MESSAGE

Alamo ASHRAE,

November is a great month. The hunting season is in full swing, and the average outdoor temperature is slowly falling into the ASHRAE comfort zone. The resurgent AGs are facing Auburn at the beginning of the month and will head to Baton Rouge to face LSU to end regular season SEC play. Locally, we had record rains over the past few weeks, and we needed the rain. I hope that you all stayed safe through some of the flooding that we experienced in Central Texas.

We have some exciting local events planned for the next few months. Short term look-ahead:

- On 11/17, we'll have our first evening dinner meeting (afternoon) at the County Line BBQ on IH-10. Each of these events presents an opportunity to mingle with colleagues, maybe learn or teach something new, and support our local chapter.
- Arrive at 4:30-5 PM for the cash bar.
- Dinner will be served at 6 PM.
- The meeting will start promptly at 6:30.
- We will adjourn at 7:30.
- Christmas Party. Look for an upcoming announcement about our December ASHRAE Christmas party at Cover 3 on during the first week of December. This event is for our members, but is also a time dedicated to honoring local Alamo ASHRAE past presidents. This event is always a barnburner.
- Meeting Sponsorship Opportunity. For all monthly meetings, we are actively seeking meeting sponsors (\$250 cost). The sponsorship allows you to set up a welcome table during the check-in process, allows you 5 minutes of presentation time at the beginning of the meeting, and you can pass out propaganda items to all attendees. This is an available sponsorship opportunity for any interested sponsor at each of our meetings. Take advantage of this opportunity and help support our ASHRAE chapter.

**11/5 Sporting Clay Shoot Results...** The 2015 sporting clays tournament was a success. We'll announce fiscal results at the next monthly meeting. Please congratulate Clint Ullman on winning the top individual shooter award (Score 48/50). Please encourage the shooter that won the "Most room for improvement award." We'll leave first names out of the discussion (but Ms. Wurzbach was a good sport). The top team score was awarded to the following shooters: Clint Ullman, Kurt Mosel, Rick Barreira, Frank Tuttle, and Scott Hutcheson. Congrats to all the raffle prize winners and thank you for all general attendees. We appreciate your support and will look forward to having you as our guests next year.

Society level news? ASHRAE offers some great training courses. For more info, please follow this link: [www.ashrae.org/hvactraining](http://www.ashrae.org/hvactraining). Also, now is the time to get signed up for the ASHRAE winter conference (1/23-1/27 in Orlando). Represent the Alamo Chapter by attending.

If you have any suggestions on what you would like the local or regional ASHRAE BOG to accomplish this year, please let us know.

Respectfully,

Aaron Caldwell, LEED AP



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ANNOUNCEMENT — ALAMO ASHRAE — December 2015 Christmas Social



Please join the Alamo ASHRAE for the

# ANNUAL CHRISTMAS SOCIAL

December 3<sup>rd</sup>, 2015  
7:00 p.m. to 9:00 p.m.

Cover 3  
1806 Loop 1604  
San Antonio, Tx 78259

We encourage you to bring your friends and family. Appetizers will be provided and there will be a cash bar.

COST: \$15/head at the door, appetizers and champagne toast included.  
Past Alamo ASHRAE Presidents and Engineers receive FREE admission!

Please R.S.V.P. to Wes Weissgarber @ [wesw@texasairsystems.com](mailto:wesw@texasairsystems.com)



## OFFICER'S DIRECTORY—LOCAL CHAPTER

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**Meeting Topic: Vital Updates on Refrigerants**

**Location: County Line**  
**Speaker: Bill McQuade**  
**Date: November 17, 2015**

**Meeting Attendance:**

Aaron Caldwell, Andy Luke, Baron Phillips, Bill Wurzbach, Brad Bright, Chris Delgado, Dan Marsh, David Figari, Derek Brown, Edward Garcia, Glenn Johnson , Henry Delgado, John Delgado, John Faultersack, John Freund, Jonathan Lewis, Kalib Brignac, Leo McAfee, Madison Bryer, Margaret Bigger, Mario Trejo, Paul Naizer, Rene Colunga, Rey Gutierrez, Richard McBride, Rick Clardy, Ron Uriegas, Steve Huck, Todd Buck, Wes Weissgarber, Will Fawcett

# BOARD OF GOVERNORS MEETING MINUTES



November 2015



ALAMO ASHRAE

August Board of Governors Meeting Agenda

November 24, 2015

Presiding Officer: Aaron Caldwell

CALL TO ORDER- 11:49AM

ROLL CALL: President – Aaron Caldwell, , Secretary – Chris Delgado, Treasurer – Baron Phillips, BOG- Todd Buck, Historian – Andrew Rodriguez, Dan Seltzer- Research Promotion, Jonathan Houston- YEA, BOG- Wes Weissgarber.

OFFICER & CHAIR REPORTS

*Treasurer – Baron Phillips*

Tax Exempt status- still pending comptroller response  
Clay Shoot Recap  
Website payments

*Research Promotion – Dan Seltzer*

Clay Shoot Recap- Big push for sponsorships paid off  
Golf Tournament- Canyon Springs. Thursday April 14<sup>th</sup>, 2016.

*YEA – Jonathan Houston*

Shooting for next event in January

*CTTC – Brad Gilbert*

January 19, 2016- Oak Hills. Possibly non technical, social format.  
February 16- AIA venue?  
March 22- Oak Hills?  
April 19- County Line?  
May 17- Oak Hills?  
June 21- **Ethics. Luby's? Low cost format.**

# BOARD OF GOVERNORS MEETING MINUTES



October 2015

*Refrigeration – Rey Gutierrez*

- Rampage game and AT&T tour
- Government Activities – Charles Bustamante*

*Student Activities – Shannon Novak*

- Society scholarship application update
- Student Kickoff event with YEA
- Move applications to early Spring to award in April
- Historian – Andrew Rodriguez*
- Skeet shoot photos up

*Chapter Bylaw Changes- Aaron Caldwell*

- Website updates by all chair persons due by end of year
- Meeting venue feedback

ADJOURN 12:55





TREASURER'S FINANCIAL REPORT: SEPTEMBER 2015

ASHRAE Alamo Chapter  
 Balance Sheet  
 Current as of 11/24/2015

ASSETS

CURRENT ASSETS	
Checking	\$ 30,143.90
Money Market	\$ 15,504.28
Total Accounts	\$ 45,648.18
Petty Cash	\$ 200.00
<b>TOTAL ASSETS</b>	<b>\$ 45,848.18</b>

CURRENT LIABILITIES	
CRC (Regional Conference) Host	\$
Committee Potential Contribution	\$ 15,500.00
<b>Total Liabilities</b>	<b>\$ 15,500.00</b>

<b>EQUITY</b>	<b>\$ 30,348.18</b>
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2015 Skeet Shoot Recap	
Total Collected (Participants, Sponsors & Raffle)	\$ 25,030.43
Total Expenses	\$ 10,827.41
<b>Net Profit</b>	<b>\$ 14,203.02</b>

For More Information Please Contact:  
 Baron Phillips  
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## EDUCATION & TRAINING OPPORTUNITIES

### **ASHRAE 2015 Fall Online Courses:**

<https://www.ashrae.org/education--certification/2015-fall-online-courses>

### **ASHRAE 2016 Winter Conference:**

<https://ashrae.org/membership--conferences/conferences/2016-ashrae-winter-conference>

### **ASHRAE High Performance Building Design Professional Certification:**

<https://www.ashrae.org/education--certification/certification/hbdp-high-performance-building-design-professional-certification>

### **ASHRAE Energy Modeling Conference:**

<https://www.ashrae.org/membership--conferences/conferences/ashrae-conferences/2015-ashrae-energy-modeling-conference>



## ASHRAE Learning Institute Options

[Click here for more information!](#)

### ASHRAE Learning Institute

Seminars & Courses at ASHRAE's Winter Conference in Orlando, FL

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**2 WAYS TO REGISTER**  
 Internet: [www.ashrae.org/orlandocourses](http://www.ashrae.org/orlandocourses)  
 Phone: Call 1-800-527-4723 (US and Canada) or 404-836-8400 (worldwide)

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**Full-Day Professional Development Seminars**  
**\$485/\$395 ASHRAE Member – Earn 6 PDHs/AIA LUs or .6 CEUs**

<p><b>Commercial Building Energy Audits</b> Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.</p> <p><b>Commissioning Process in New &amp; Existing Buildings</b> Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.</p> <p><b>Designing HVAC Systems to Control Noise &amp; Vibrations</b> Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.</p>	<p><b>Energy Modeling Best Practices and Applications</b> Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.</p> <p><b>Operations &amp; Maintenance of High-Performance Buildings</b> Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.</p>
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**Half-Day Short Courses**  
**\$189/\$119 ASHRAE Member – Earn 3 PDHs/AIA LUs or .3 CEUs**

<p><b>Laboratory Design: The Basics and Beyond</b> Sunday, January 24, 2016 – 9:30 p.m. to 6:30 p.m.</p> <p><b>Troubleshooting Humidity Control Problems</b> Sunday, January 24, 2016 – 9:30 p.m. to 6:30 p.m.</p> <p><b>Understanding &amp; Designing Dedicated Outdoor Air Systems</b> Sunday, January 24, 2016 – 9:30 p.m. to 6:30 p.m.</p> <p><b>Variable Refrigerant Flow System Design &amp; Applications <b>NEW!</b></b> Sunday, January 24, 2016 – 9:30 p.m. to 6:30 p.m.</p> <p><b>Air-to-Air Energy Recovery Applications: Best Practices</b> Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.</p> <p><b>Applications of Standard 62.1-2013</b> Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.</p> <p><b>Building Demand Response &amp; the Coming Smart Grid</b> Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.</p> <p><b>Energy Management Best Practices</b> Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.</p>	<p><b>Addressing IAQ Problems</b> Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.</p> <p><b>Commissioning Process &amp; ASHRAE Standard 202</b> Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.</p> <p><b>Complying with Standard 90.1-2013: HVAC/Mechanical</b> Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.</p> <p><b>Evaluation and Control of Legionella in Building Water Systems <b>NEW!</b></b> Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.</p> <p><b>Exceeding Standard 90.1-2013 to Meet LEED Requirements</b> Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.</p> <p><b>IT Equipment Design Evolution &amp; Data Center Operation Optimization</b> Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.</p> <p><b>Designing High-Performance Healthcare HVAC</b> Monday, January 26, 2016 – 1:00 p.m. to 4:00 p.m.</p>
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### ASHRAE HVAC Design Training

**2 Courses, 5 Days of Intense Instruction**

Atlanta • Halifax • Hong Kong • Houston

Kuala Lumpur • Miami • Minneapolis • Vancouver

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**HVAC Design: Level I – Essentials** - Registration is \$1,264 (\$1,009 ASHRAE Member)  
 Gain practical skills and knowledge in designing 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** - Registration is \$854 (\$699 ASHRAE Member)  
*HVAC Design: Level II – Applications* provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit [www.ashrae.org/hvactraining](http://www.ashrae.org/hvactraining) to register.