



# THE AUSTIN REGISTER

AUSTIN, TX CHAPTER, ESTABLISHED 1956

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### Next Chapter Meeting

Topic: **ASHRAE Jeopardy!**

When: **11:00 AM**

**Wednesday,  
December 14th, 2011**

Where: **County Line (Hill)**

Cost: **\$25.00**

## CHAPTER PRESIDENT'S MESSAGE

ASHRAE Austin:

Hello, Austin Chapter. Thanks for a record turnout at our November lunch meeting! We had a great panel discussion on Variable Refrigerant Flow systems. I want to extend a special thanks to our panelists, Ryan Williams, Ronnie Swingler, Kevin Benter, Chip Chambliss, Jon Erik Johnson, and Keith McLaughlin for a very engaging and educational discussion on this subject.

In December, we recognize those who have contributed to ASHRAE Research Promotion (RP). Research in HVAC&R is a big part of why ASHRAE exist. The results of that research lead to advances that are returned to us in the industry in the form of standards writing, publishing, and continuing education.

The Austin Chapter continues to reach its goals when it comes to research promotion fund raising thanks to the generous donations from our constituency. Last year, under leadership by Cameron Labunski, our RP Chair, we raised more than \$35,000 for ASHRAE research! How incredible is that? On behalf of the Austin chapter and Board of Governors, I would like to thank those of you who helped to make this possible. We will

recognize the donors listed in this newsletter at this month's Chapter meeting.

For the current year, we have a goal of \$32,000 for ASHRAE Research Promotion. Joe Reyes is our RP Chair this year and will be leading the charge to exceed this goal again this year. We already had a great turnout for our Sporting Clay event and we look forward to another great Golf Tournament in the spring.

For the December meeting program, we are going to relax and have some fun. We are going to be hosting an ASHRAE Jeopardy game show. That's right "Jeopardy", you know Alex Trebeck and all the hard questions. We will be challenging three teams made up of three members each with questions from categories such as "Fundamentals", "ASHRAE standards",

*(Continued on page 5)*



**WE LOOK FORWARD TO SEEING EVERYONE AT THE NEXT MONTHLY MEETING. PLEASE DISTRIBUTE THIS NEWSLETTER TO ALL INTERESTED FRIENDS AND COLLEAGUES.**

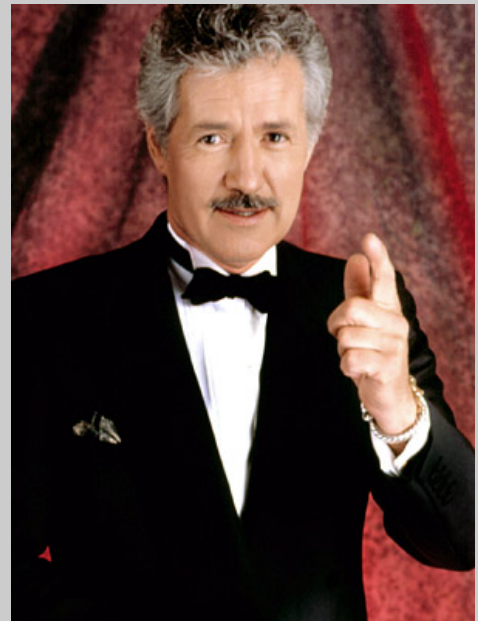
## CHAPTER MEETING PROGRAM SUMMARY

### This Month's Program: **ASHRAE Jeopardy!**

Three teams will compete in a Jeopardy-style game with categories like:

- Fundamentals
- ASHRAE Standards
- ASHRAE History
- Surprise questions!

Come support and heckle your fellow ASHRAE members!



*Note: Jeopardy! host Alex Trebek (pictured at above) will probably not be at the December 2011 ASHRAE Austin Chapter meeting.*

#### Schedule:

Announcements: 11:00 AM  
Main Program 11:15 AM

#### Location

County Line on the Hill  
6500 Bee Caves Road  
Austin, TX 78746  
(1/2 mile west of Loop 360)

**Cost is \$25/person**



## 2011-2012 MEETING CALENDAR

Month	Date	Location	Session	Program / Technical Session			Theme
				Speaker	Company	Topic	
August	8/18	County Line (Hill) Dinner Meeting	Main Program	Ken Simpson, P.E.	Green Building Certification Institute	How to Get Your LEED Project Through the Review Process	Membership Promotion (S)
September	9/15	County Line (Hill) Dinner Meeting	Main Program	Tim Simcoe	Price Industries	Design Considerations for Sound Attenuators	None
			Tech Session	Dr. Jerry Sipes, Ph.D, P.E.	Price Industries	Acoustical Impact of Various Terminal Unit Liners	
October	10/20	County Line (Hill) Dinner Meeting	Main Program	Dan Mason	Danfoss Turbocor Compressors,	Oil Free, Magnetic Bearing Chiller	YEA Month
			Tech Session	Bill Klock	EEA	Air Device Performance	
November	11/17	County Line (Hill) Lunch Meeting	Main Program	Panel of Speakers with industry experience of VRF systems	Mtech, TD Industries, Texas AirSystems, DXS, Paschal-Harper	Panel Discussion on Variable Refrigerant Flow Technology	None
December	12/14	County Line (Hill) Lunch Meeting	Main Program	(3) Teams of Engineering Consultants	Various	ASHRAE JEOPARDY!! (3) Teams will compete in Jeopardy style questions	RP Recognition
January	1/19	County Line (Hill) Dinner Meeting	Main Program	C.W. Clark	TBPE	Engineering Ethics	None
			Tech Session				
February	2/16	County Line (Hill) Dinner Meeting	Main Program	Julian R. DeBullett	McQuay International		Engineers Week / Student Month
			No Tech Session				
March	3/16	County Line (Hill) Dinner Meeting	Main Program	Facility Tour- Adelbert's Brewery		Tour of New Micro-Brewery Emphasizing on Refrigeration Process	Research Promotion
			Tech Session				
April	4/19	County Line (Hill) Dinner Meeting	Main Program	Mark MacCracken, P.E. (DL)	CALMAC Manufacturing	Energy Storage: A Vital Element of the Smart Grid	Nominating
			Tech Session				
May	5/17	County Line (Hill) Dinner Meeting	Main Program	Paul Pieper, P.E.	Venmar CES	Energy Recovery-Best Practices	Officer Induction
			Tech Session		-	-	

**(S) Indicates Chapter Program focused on Sustainability**

**(DL) Indicates ASHRAE Distinguished Lecturer Program**

*Submitted By: Justin Johnson*

# MONTHLY TREASURER'S REPORT

## Treasurer's Report (Fiscal Year Ending 6/30/12) - 2012 7/1/2011 through 6/30/2012 Using 2011-2012

Category Description	7/1/2011 Actual	- Budget	6/30/2012 Difference
<b>INCOME</b>			
Austin Chapter Dues	2,550.00	5,500.00	-2,950.00
Golf Tournament	0.00	35,000.00	-35,000.00
Meeting Income	3,884.93	10,500.00	-6,615.07
Product Directory Income	3,425.00	3,000.00	425.00
Sporting Clay Event	8,877.50	10,000.00	-1,122.50
Trade Shows and Seminars Income	0.00	1,000.00	-1,000.00
FROM 2013 Austin CRC Fund	0.00	0.00	0.00
<b>TOTAL INCOME</b>	<b>18,737.43</b>	<b>65,000.00</b>	<b>-46,262.57</b>
<b>EXPENSES</b>			
Golf Tournament Expense	0.00	16,000.00	16,000.00
Guest Speaker	0.00	250.00	250.00
Meeting Meals	4,949.18	12,500.00	7,550.82
Miscellaneous			
Other Miscellaneous	241.37	1,900.00	1,658.63
<b>TOTAL Miscellaneous</b>	<b>241.37</b>	<b>1,900.00</b>	<b>1,658.63</b>
Product Directory Expense	0.00	1,550.00	1,550.00
Region VIII Membership	0.00	1,100.00	1,100.00
Research Contribution	0.00	23,500.00	23,500.00
Sporting Clay Expense	4,736.32	5,500.00	763.68
Student Memberships	0.00	100.00	100.00
Student Scholarships	0.00	500.00	500.00
Trade Shows and Seminars Expense	0.00	100.00	100.00
TO 2013 Austin CRC Fund	0.00	2,000.00	2,000.00
<b>TOTAL EXPENSES</b>	<b>9,926.87</b>	<b>65,000.00</b>	<b>55,073.13</b>
<b>OVERALL TOTAL</b>	<b>8,810.56</b>	<b>0.00</b>	<b>8,810.56</b>

### Account Balances - As of 12/7/2011:2

(Includes unrealized gains)  
As of 12/7/2011

Account	12/7/2011 Balance
<b>Bank Accounts</b>	
ASHRAE CHECKING	14,342.09
Savings	500.65
<b>TOTAL Bank Accounts</b>	<b>14,842.74</b>
<b>Investment Accounts</b>	
2013 Austin CRC Fund	10,228.39
<b>TOTAL Investment Accounts</b>	<b>10,228.39</b>
<b>OVERALL TOTAL</b>	<b>25,071.13</b>

Submitted By: Derrick Van West

## CHAPTER PRESIDENT'S MESSAGE (CONTINUED)

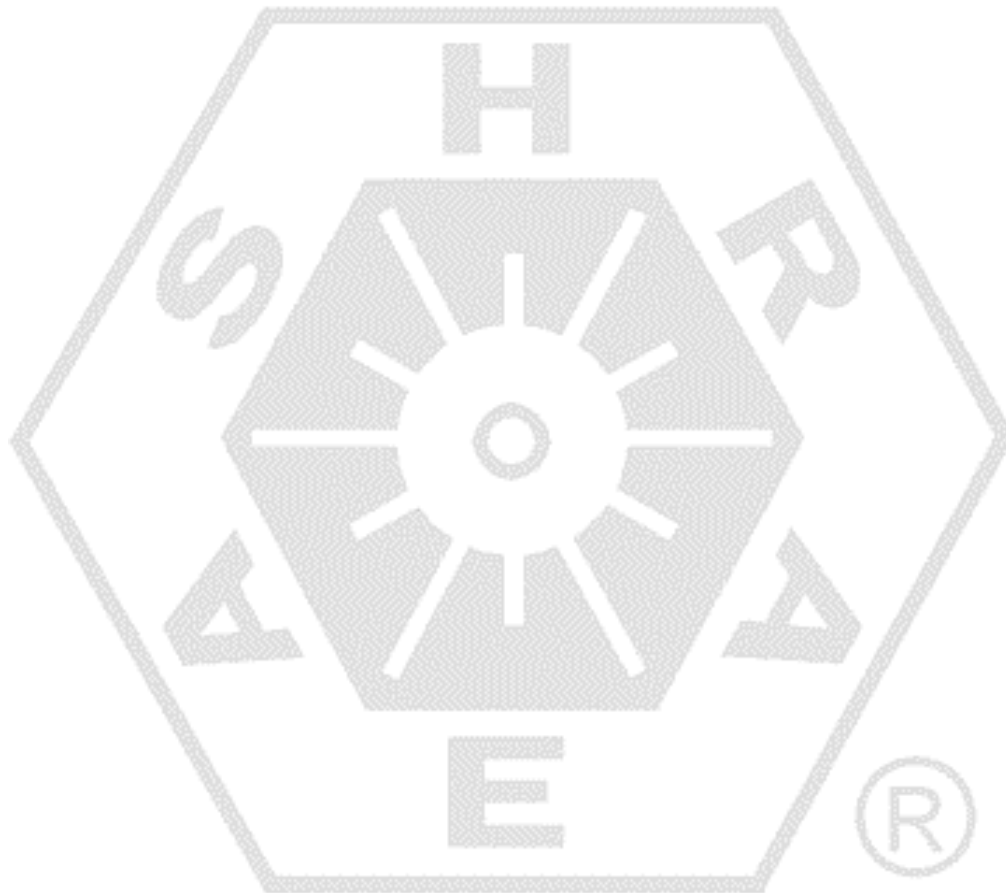
"History", and some surprise questions to keep them on their toes. There will be a final jeopardy question where each team will be able to wager their winnings and whoever has the most points at the end will win a fabulous prize. Make sure to show up and support (or heckle) our contestants and let's have some fun.

Don't forget that **this is a Wednesday lunch meeting in December so arrive at 11:00 AM sharp** to get signed in and seated. I look forward to seeing you all at the December meeting!

Best regards,

Andy Collier, LEED AP

Austin ASHRAE Chapter President



# BOG MEETING NOTES

## Austin ASHRAE - BOG Agenda November 2011

1. **Andy Collier, President**
  - a. 14 teams signed up already for the Sporting Clay Event
2. **Mark Mikulin, President Elect / Newsletter Editor**
  - a. Bill is holding off for a later date to ask for assistance with the CRC event that will be held in Austin
3. **Justin Johnson, Vice President / Programs**
  - a. December is still open; all main program and tech sessions have been scheduled
  - b. Jeopardy (question/answer) type session was discussed for December
4. **Derrick Van West, Treasurer**
  - a. Paypal system is up and running
  - b. Meeting with the bookkeeper the following Monday
5. **Joe Reyes, BOG 1 Research Promotion**
  - a. Not in attendance
6. **Thursten Simonsen, BOG 2 Auditing/Nominating**
  - a. Not in attendance
7. **Randy Schrecengost, BOG 3 Historian/Administrator**
  - a. Reached PAR for PAOE points
  - b. No candidate yet to head the chapter seminar scheduling
  - c. Honors and awards are work in progress
  - d. A motion to be brought to BOG for discussion and approval of possible endowment for RP to honor past presidents
8. **John Dolliver, BOG 4 Membership Promotion**
  - a. John was not in attendance; Spencer was and indicated that the transition is in progress
9. **Cameron Labunski, BOG 5 Student Activities**
  - a. Visited UT campus and talked to ASME student chapter about ASHRAE
10. **Matt Gross, CTTC Committee Chair**
  - a. EEA/TAP is sponsoring the next YEA event scheduled for Nov. 8, 2011
  - b. Roster update is in progress
  - c. Approached and discussed with County Line mgr. the proposed upgrades to the HVAC system in the conference room; mgr requested a proposal to send off to corporate
11. **Ashley Bradford, YEA Committee Chair**
  - a. First event took place in October and it was sponsored by JCI; event went well
  - b. The 2<sup>nd</sup> YEA event is scheduled for Nov. 8

## BOG MEETING NOTES

### Austin ASHRAE - BOG Agenda (continued) November 2011

**12. Glenn See, Golf Committee Chair**

- a. No report

**13. Randy Fuston, Webmaster Committee Chair**

- a. Not in attendance
- b. A new chapter website has been launched and encourage all members to visit and review the new and revamped site

**14. David Driggers – Government Affairs Chair**

- a. Mark Wills, mgr of ASHRAE State and Local Government Affairs office in DC; is in discussion to set up state and local advocacy groups along the same line of the national level to help encourage the adoption of pro-ASHRAE public policies. Further details and information to follow

**15. Sean Cockrell – Sustainability Chair**

- a. Not in attendance

**16. Jamie Denton – Communications Chair**

- a. Not in attendance

## CHAPTER ANNOUNCEMENTS

### 2010 – 2011 ASHRAE Austin Research Promotion Summary

The Austin ASHRAE Chapter and Its Members Raised **\$35,346** for ASHRAE Research This Year  
Thank You!

- Through the efforts of Glen See, Randy Barrington, and Matt Gross – The Austin ASHRAE Chapter was able to make a contribution to ASHRAE Research in the amount of \$8,200

#### Contributions Through Golf Tournament

##### **\$1,000 or more**

- |  |  |
|--|--|
| <input type="checkbox"/> Johnson Controls Inc - Austin | <input type="checkbox"/> Siemens Building Technologies Inc |
| <input type="checkbox"/> Mechanical Reps - Austin      | <input type="checkbox"/> Dynamic Systems Inc               |
| <input type="checkbox"/> Cool Services Inc             | <input type="checkbox"/> Trane - Austin                    |
| <input type="checkbox"/> Texas Air Products            | <input type="checkbox"/> Texas Air Systems Inc             |

##### **\$500 or more**

- |  |   |
|--|---|
| <input type="checkbox"/> Texas Equipment Solutions | <input type="checkbox"/> Tab Technologies Inc         |
| <input type="checkbox"/> HTS                       | <input type="checkbox"/> Robert Madden Industries Ltd |
| <input type="checkbox"/> Chaparral Insulation      | <input type="checkbox"/> Performance Contracting Inc  |
| <input type="checkbox"/> Oslin Nation Company      | <input type="checkbox"/> Engineered Air – Austin      |
| <input type="checkbox"/> TDIndustries              |   |

##### **\$250 or more**

- |   |  |
|---|--|
| <input type="checkbox"/> Fox & Hearn Incorporated | <input type="checkbox"/> ICON Plumbing and Heating |
| <input type="checkbox"/> McGill Airflow LLC       | <input type="checkbox"/> PHI Service Agency Inc    |

#### Personal Contributions

##### **\$500 or More**

- |                                    |                                     |
|------------------------------------|-------------------------------------|
| <input type="checkbox"/> Mike Hart | <input type="checkbox"/> Bill Klock |
|------------------------------------|-------------------------------------|

##### **\$250 Or More**

- |   |                                       |
|---|---------------------------------------|
| <input type="checkbox"/> Gordon Ross      | <input type="checkbox"/> Jeremy Smith |
| <input type="checkbox"/> Larry Bloomquist |                                       |

## CHAPTER ANNOUNCEMENTS

### 2010 – 2011 ASHRAE Austin Research Promotion Summary

#### Honor Roll Level (\$100 or More)

- |   |  |
|---|--|
| <input type="checkbox"/> Cameron Labunski     | <input type="checkbox"/> Justin S Johnson    |
| <input type="checkbox"/> Michael Davidson     | <input type="checkbox"/> Gordon J Hall       |
| <input type="checkbox"/> Richard Lowke        | <input type="checkbox"/> David Driggers      |
| <input type="checkbox"/> Jorge E Villalba     | <input type="checkbox"/> Richard E Beverly   |
| <input type="checkbox"/> B Fritz Stinson      | <input type="checkbox"/> Ahmad M Hamiyeh     |
| <input type="checkbox"/> Todd A Schmitt       | <input type="checkbox"/> Thursten D Simonsen |
| <input type="checkbox"/> Scott Haag           | <input type="checkbox"/> Maureen T Scanlon   |
| <input type="checkbox"/> Randy C Schrecengost | <input type="checkbox"/> Fred L Fall         |
| <input type="checkbox"/> John A Bronson       | <input type="checkbox"/> William B Crook     |
| <input type="checkbox"/> Derrick Van West     | <input type="checkbox"/> Charles W Whidden   |
| <input type="checkbox"/> Andy Collier         | <input type="checkbox"/> Jon Hermann         |
| <input type="checkbox"/> Bryan Sublett        | <input type="checkbox"/> Mark Merriman       |
| <input type="checkbox"/> Joe S Reyes          | <input type="checkbox"/> Lane D Lowke        |
| <input type="checkbox"/> John Johnston        | <input type="checkbox"/> Stuart Bloomquist   |
| <input type="checkbox"/> Matthew Carroll      | <input type="checkbox"/> Dean Revering       |
| <input type="checkbox"/> Michael Roy Johnson  | <input type="checkbox"/> Kevin C Schaal      |
| <input type="checkbox"/> Mark E Mikulin       |  |

#### Company Contributions

##### \$500 or More

- |   |  |
|---|--|
| <input type="checkbox"/> EEA Consulting Engineers (Company Match of Employee Contributions) | <input type="checkbox"/> TDIndustries                      |
| <input type="checkbox"/> Texas Gas Service Company  | <input type="checkbox"/> Tom Green & Company Engineers Inc |

##### \$250 or More

- |   |   |
|---|---|
| <input type="checkbox"/> Goodwin Engineering Inc                          | <input type="checkbox"/> Fritech Incorporated             |
| <input type="checkbox"/> Graco Mechanical Inc                             | <input type="checkbox"/> O'Connell Robertson & Associates |
| <input type="checkbox"/> Company Contributions – Honor Roll \$150 or More | <input type="checkbox"/> Rand Associates Inc              |

#### Creation of Perpetual Research Promotion Gift in Sam Harper's Name

- |   |   |
|---|---|
| <input type="checkbox"/> Austin ASHRAE Chapter            | <input type="checkbox"/> Joe Brooks (San Antonio) |
| <input type="checkbox"/> EEA Consulting Engineers         | <input type="checkbox"/> Randy Schrecengost       |
| <input type="checkbox"/> Texas Air Systems                | <input type="checkbox"/> Bill Klock               |
| <input type="checkbox"/> Texas Air Products – Austin      | <input type="checkbox"/> Larry Bloomquist         |
| <input type="checkbox"/> Texas Air Products – San Antonio | <input type="checkbox"/> Mike Davidson            |
| <input type="checkbox"/> Mechanical Reps.                 | <input type="checkbox"/> Ken Graham               |
| <input type="checkbox"/> Claud Kissman                    | <input type="checkbox"/> Mark Treadway            |

## CHAPTER ANNOUNCEMENTS

### Young Engineers in ASHRAE (YEA) Announcements

#### January Happy Hour

Young Engineers in ASHRAE (YEA) will be holding its first event of 2012 on Thursday, January 12<sup>th</sup> at Flying Saucer in the Triangle. Please join us from 5pm-7pm for Happy Hour sponsored by Texas Air Systems! If you are 35 years old or under, please join us!

Event: YEA Happy Hour

Location: Flying Saucer in the Triangle

Time: Thursday, January 12<sup>th</sup> from 5:00pm – 7:00pm

Sponsored by: Texas Air Systems



Thank you, Texas Air Systems, for your support of YEA!

#### Check out our Facebook page!

We recently launched an Austin YEA Facebook page to keep all of our members informed about upcoming technical meetings, social events & news specific to our Austin group. You can 'Like' our page at <https://www.facebook.com/pages/Austin-YEA/135455226563139>. Help us spread the word to young engineers in your office!

#### Event Re-Cap: Tips for the PE Application & Happy Hour

On the evening of November 8<sup>th</sup>, YEA gathered at BJ's Restaurant & Brewhouse to hear Mr. David Howell of the Texas Board of Professional Engineers present on the PE application process. We had a great turnout of 40+ people, making this one of largest events yet! YEA members enjoyed happy hour following the presentation, sponsored by Texas Air Products.

Thank you, Mr. Howell and Texas Air Products, for your support of YEA!

*For more information about YEA events, or to volunteer as a sponsor, please contact Ashley Bradford at [Ashley.Bradford@buildings.schneider-electric.com](mailto:Ashley.Bradford@buildings.schneider-electric.com).*

## SOCIETY ANNOUNCEMENTS



# ASHRAE

Technology for a Better Environment

ASHRAE has certified more than 1,000 HVAC professionals.  
Are you one of them? Earn recognition for your  
knowledge and expertise.

The 2012 ASHRAE Winter Conference and AHR Expo in Chicago will bring together more than 30,000 visitors from around the world to learn, network, and buy and sell HVAC&R products and services. All six of ASHRAE's certification exams will be administered at the conference.

- **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)**

To participate in this exam administration, please submit an application by **December 28, 2011** for the program in which you're interested. **There will be no on-site registration and seating is limited.**

To get started, go to <http://www.ashrae.org/chicagoexams> to find out more about the programs. Each program has its own Candidate Guidebook that contains important information about eligibility criteria and available resources to help prepare for the exam. We encourage you to read the Guidebook before completing a program's application.

Take advantage of the opportunity to earn an ASHRAE certification while you're attending ASHRAE's Winter Conference and AHR Expo. I look forward to seeing you in Chicago!

Erin Dupree

Communications Coordinator - Certification

## SOCIETY ANNOUNCEMENTS

### ASHRAE Provides Guidance on the “How-To’s” of Energy Audits

ATLANTA—Seeking to promote best practices and offer a “how-to” approach, ASHRAE has released updated guidance on building energy audits.

While energy audits are a commonly used component of the industry, there is great diversity in the services delivered to customers, and little industry standardization. The second edition of “Procedures for Commercial Building Energy Audits” promotes best practices, provides “how-to’s” and fills a void in available information for engineers, building owners, managers and government entities. The new publication includes time-saving tips for energy auditors, how to hire an auditor, what to ask for in a comprehensive audit report and how to build a successful energy efficiency retrofit team.

“As we work to reduce energy consumption in our commercial buildings, we want to ensure that recommendations are cost effective, technically feasible, maintain safety and comfort and result in significant energy savings” Jim Kelsey, a member of Technical Committee 7.6, Building Energy Performance, and who oversaw the writing of the updated publication, said. “This volume focuses on how to improve energy audit best practices. Providing the best audits that we can will help move the industry forward to net zero buildings.”

Additionally, the publication addresses how to build a successful team, analytical methods, successful approaches to site visits, incorporating on-site measurements, economic evaluation of measures and how to organize an energy audit report that promotes action on the part of building owners and managers. It includes many tips for conducting energy audits and reviewing results prepared by others. For example, the top things to check for in when reviewing an audit report include verifying that:

- proposed measures are feasible and appropriate for the building;
- proposed measures meet applicable building codes;
- data are internally consistent;
- savings estimate methods follow established principles and methods;
- estimates of potential energy savings are reasonable compared to quick estimates and historical energy use;
- proposed cost estimates are reasonable relative to field experience;
- interactions between EEMs are identified and addressed;
- recommendations and report meet the project scope, goals and client’s needs;
- any financial discussion includes current and viable mechanisms available per the tax structure, location, and motivations of the client.

Another benefit of the new publication is a greatly expanded section of forms and template analyses, including “live” Excel spreadsheets, checklists and equipment-specific forms suitable for field collection of detailed commercial building data, to name just a few.

“Procedures for Commercial Building Energy Audits, Second Edition” is available in the ASHRAE bookstore, [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore), for \$99 (\$84, ASHRAE members). Or, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, to order.

## THE BACK PAGE

### ABOUT THIS PUBLICATION

The Austin Register is a free monthly newsletter produced by the Austin Chapter of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers. It is primarily intended for use by its Members. The Austin Chapter does not act for the Society.

Newsletter Editor: Mark Mikulin, PE, LEED AP  
512.744.4414  
markmikulin@eeace.com

Letters to the Editor are always welcome. Please include a name and email address, as relevant letters may be published in future issues.



### RELATED INDUSTRY INFORMATION

#### ASHRAE Jobs Program

What: HVAC industry career services for both employers and job-seekers

Info: [www.ashraejobs.com](http://www.ashraejobs.com)

#### Region VIII CRC 2012 in Tulsa, OK

More info to come

## 2011-2012 ASHRAE AUSTIN CHAPTER VOLUNTEERS

POSITION	REPORTS TO	NAME	COMPANY	BUS (512)
<b>OFFICERS</b>				
President	BOG	Andy Collier	Johnson Controls, Inc./York	339-5771
President Elect	President/BOG	Mark E. Mikulin	Energy Engineering Assoc., Inc.	744-4414
Vice President	President/BOG	Justin Johnson	Texas AirSystems, Inc.	462-4777
Treasurer	President/BOG	Derrick Van West	Trane	416-8822
Secretary	President/BOG	Ahmad Hamiyeh	Joes I. Guerra	445-2090
<b>BOARD OF GOVERNORS</b>				
BOG - 1 Research Promotion	BOG	Joe Reyes	MEP Engineering	306-9650
BOG - 2 Auditing / Nominating	BOG	Thursten Simonsen, P.E.	Johnson Controls	413-2441
BOG - 3 Historian / Administrator	BOG	Randy Schrecengost, P.E.	Stanley Consultants, Inc.	427-3623
BOG - 4 Membership Promotion	BOG	John Dolliver	New York Life	444-1835
BOG - 5 Student Activities	BOG	Cameron Labunski, P.E.	Tom Green & Co. Engineers	345-7793
<b>COMMITTEE CHAIRS</b>				
CRC Delegate (President)	BOG	Andy Collier	Johnson Controls, Inc./York	339-5771
CRC Delegate Alt. (Pres-Elect)	BOG	Mark E. Mikulin	Energy Engineering Assoc., Inc.	744-4414
Newsletter Editor	President	Mark E. Mikulin	Energy Engineering Assoc., Inc.	744-4414
Programs	President	Justin Johnson	Texas AirSystems, Inc.	462-4777
Sustainability	President	Sean Cockrell	Grenbloc	535-0208
Government Affairs Subcmte	President	David Driggers	Heat Transfer Solutions	894-3086
2013 Austin CRC Committee	President/BOG	Bill Klock, P.E.	Energy Engineering Assoc., Inc.	744-4400
Chap. Tech Transfer Cmte (CTTC)	Vice President	Matt Gross	Texas Air Products	452-2500
Refrigeration	Vice President	Patrick Randall	Syntergy, LLC	812-8864
Electronic Communications	Vice President	Jamie Denton	Heat Transfer Solutions	917-7420
Golf	BOG - 1	Glenn See	TAB Technologies	486-3609
RP Communications Subcmte	BOG - 1	Bryan Sublett	Robert Madden Industries	486-3609
Auditing	BOG - 2	Jeremy Smith	Texas Air Products	485-5304
Nominating	BOG - 2	Larry Bloomquist	Mechanical Reps Inc.	444-1835
Webmaster	BOG - 3	Randy Fuston	MEP Engineering	306-9650