



Central Oklahoma Chapter

ISSUE 7 - MARCH
2012-2013 EDITION

Sou'Wester

Monthly Newsletter of the Central Oklahoma Chapter



**Chapter President
Dusty Stoabs, P.E.**

Greetings ASHRAE Members, Associates, Affiliates, and Students! ASHRAE's mission is to advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world. The primary means in which we advance the arts and science of HVAC&R is through education. This emphasis on education is seen in the ASHRAE Vision statement: "ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider of opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning and refrigerating."

In order to be the foremost source of technical and educational information on HVAC&R subject matter, ASHRAE provides a wealth of educational material via print, online, and live presentations. The Society Education webpage at <https://www.ashrae.org/education--certification/> is the home for information on

UPCOMING EVENTS

April Meeting

April 3rd at 50 Penn Place in 3rd floor retail space

11:30am Lunch (\$20 at the door)

12:00pm Presentation by ASHRAE Distinguished Lecturer

Chris Mathis on Compliance With ASHRAE 90.1

1:00pm Wrap-Up

Chapters Regional Conference (CRC)

April 18-20 at Hyatt on Lady Bird Lake in Austin, TX

PRESIDENT'S MESSAGE

Continued from Page 1

how to get plugged-in to the seemingly endless amount of educational opportunities that are available. Whether it comes through instructor-led seminars and short courses through the ASHRAE Learning Institute, self-paced training through ASHRAE eLearning, technical presentations at meetings, or through live webcasts, you are certain to find a topic that interests you and in a delivery method that is convenient.

Coming up, on April 18, is the 2013 ASHRAE Webcast, "Assessing Building Energy Performance—From Principles to Practice." The webcast will address the importance of building energy performance and its far-reaching implications in both new and existing buildings, as well as the opportunities that assessing building energy performance presents. Your Central Oklahoma Chapter will be presenting this webcast free and lunch is provided! I would like to thank our host venues for providing broadcast locations where members and guests can gather together, watch this year's webcast, and discuss the information presented.

Dusty Stoabs, PE
ASHRAE Central Oklahoma Chapter President

ASHRAE RESEARCH PROMOTION

One of the many active projects completely funded by ASHRAE Research funds.

1455-RP

ADVANCED CONTROL SEQUENCES FOR HVAC SYSTEMS – PHASE I AIR DISTRIBUTION AND TERMINAL SYSTEMS

April 2009 – July 2013 (P)

Taylor Engineering, LLC.

Principal Investigator, Mark Hydeman

TC 1.4, Control Theory and Application

This research project is intended to be the first of two phases: Phase I: Air Distribution and Terminal Systems and Phase II: Central Plants and Hydronic Systems. This first phase will include developing comprehensive optimized control sequences for the following common air distribution and terminal subsystems: Generic thermal zones, Single zone systems, Variable air volume terminal units, and Variable air volume systems.

Logic diagrams will be developed for the sequences so that the logic is not vague, as is inherent in any written sequence. Sequences will be tested and debugged using simulation. Future research projects will be implemented to test the sequences in real buildings.

Once the research project is complete, the sequences and flow diagrams will be proposed as appendices to Guideline 13 via the addenda process. This will allow them to be publicly reviewed. Including the sequences in Guideline 13 will also allow them to be maintained over time, such as fixing bugs and incorporating new energy saving or diagnostic sequences via addenda, and also provides a good way for them to be disseminated – control sequences and control specifications go hand in hand.

You can contribute online @ www.ashrae.org/contribute or send a check made out to ASHRAE Research and send to:

ASHRAE Research
C/O David Royal
Automated Building Systems, Inc.
PO Box 23557
Oklahoma City, OK 73123

President Obama Nominates New DOE, EPA Heads

With the current leadership of the U.S. Department of Energy (DOE) and Environmental Protection Agency (EPA) set to depart, President Barack Obama has released his long-anticipated nominations for their replacements. If confirmed by the Senate, Dr. Ernest "Ernie" Moniz will become the new DOE Secretary, and Gina McCarthy will become the new EPA Administrator. Below are their bios.

DOE: Dr. Ernie Moniz

Dr. Ernest J. Moniz is the Cecil and Ida Green Professor of Physics and Engineering Systems at the Massachusetts Institute of Technology (MIT). His research at MIT, where he has served on the faculty since 1973, has focused on energy technology and policy. Dr. Moniz also serves as the Director of the MIT Energy Initiative and the MIT Laboratory for Energy and the Environment. From 1997 until January 2001, Dr. Moniz served as Under Secretary of DOE. Prior to that, he served as Associate Director for Science in the Office of Science and Technology Policy in the Executive Office of the President from 1995 to 1997. In addition to his work at MIT and the Department of Energy, Dr. Moniz has served on a number of boards of directors and commissions, including the President's Council of Advisors on Science and Technology (2009-Present), the Department of Defense Threat Reduction Advisory Committee (2010-Present), and the Blue Ribbon Commission on America's Nuclear Future (2010-2012). Dr. Moniz is a Fellow of the American Association for the Advancement of Science, the Humboldt Foundation, and the American Physical Society. In 1998, he received the Seymour Cray HPCC Industry Recognition Award for vision and leadership in advancing scientific simulation. Dr. Moniz received a Bachelor of Science degree summa cum laude in physics from Boston College and a doctorate in theoretical physics from Stanford University.

EPA: Gina McCarthy

Gina McCarthy is currently the Assistant Administrator for the Office of Air and Radiation at EPA. McCarthy was appointed Assistant Administrator in 2009 after having served as the Commissioner of Connecticut's Department of Environmental Protection (DEP) from 2005 to 2009. McCarthy came to the Connecticut DEP from the Commonwealth of Massachusetts, where she began her career as Canton, Massachusetts' first full time health agent in 1980. She went on to serve the Commonwealth for 25 years in a variety of environmental positions, including Undersecretary for Policy at the Massachusetts Executive Office of Environmental Affairs and Deputy Secretary of the Massachusetts Office for Commonwealth Development where she was in charge of coordinating environmental, transportation, energy, and housing agency policies. McCarthy earned a BA in Social Anthropology from the University of Massachusetts Boston and a joint Master of Science in Environmental Health Engineering and Planning and Policy from Tufts University.

How Are Federal Agencies Being Impacted by the Sequester? OMB Releases Report

Last week the Office of Management and Budget (OMB) released a report outlining more of the specific impacts that the automatic \$85 billion spending cuts known as the "sequester" will have on federal agencies and offices. These reductions began going into effect on March 1, and will continue rolling out through the fiscal year until Congress and the President can reach agreement on an alternative path to addressing our nation's deficit and debt issues. Below are specific funding cuts of greatest interest to ASHRAE members:

Energy Information Administration, which administers the Commercial Buildings Energy Consumption Survey (CBECS): -\$5 million

Department of Energy's Office of Energy Efficiency and Renewable Energy, which administers the Building Energy Codes and related buildings programs: -\$91 million

General Services Administration's Government-wide Policy account, which includes GSA's Office of Federal High-Performance Green Buildings: -\$3 million

Army, military construction: -\$408 million

What these cuts actually mean in terms of changes to individual government grant and other programmatic activities remains unclear, since the funding reductions roll out somewhat slowly, giving time to Congress and the President to act. It does appear however that large reductions in federal spending (compared to prior years) will be the new norm for the foreseeable future, and as a result, we'll see fewer or smaller scale government grants and activities.

For additional information, please contact Mark Ames, ASHRAE Manager of Federal Government Affairs, at mames@ashrae.org or 202-833-1830. To view OMB's full report, visit (PDF) <http://ow.ly/izXnK>

BOARD OF GOVERNORS MEETING MINUTES

The Board of Governors held their last meeting on February 25, 2013.

Chapter Officers Present:

Dusty Stoabs - President
David Royal – President Elect
Shaun Sexton – Treasurer
Joe Sanders - Secretary

Board of Governors Present:

Tim Jones John Semtner Brian Sauer
Daniel Brazeale Mark Furgason
Jason Keyes

Absent:

Bryan Garcia Grant Flurry

Members Present:

None

New Business and Committee Reports:

Meeting called to order by Dusty Stoabs at 11:39 A.M.

Meeting minutes from January BOG presented and approved.

Treasury – Shaun Sexton

Possible error on the chapter meeting receipts; credit cards may not have been added. Continuing to work towards reconciling the bank statements. Financial report tabled for corrections.

Dusty Stoabs announced that the bus trip went well but there were over 20 empty seats. Total loss was around \$650 for the chapter.

Matt Mitchell with OSU has requested that we provide funds to help offset expenses for the winter meeting. The money otherwise will come from research. 19 students from OSU attended. Dusty made a motion to send \$500 and request a match from the region. Motion passed 9-0.

The CRC is April 18-20th in Austin, TX at the Grand Hyatt.

Research Promotion - David Royal

Money has started to come in; ClimateMaster has agreed to make a significant contribution.

CTTC - Daniel Brazeale

March meeting is set and ready to go; April meeting will be the distinguished lecturer for the year.

No other new business.

Dusty Stoabs adjourned the meeting at 12:54.

BOARD OF GOVERNORS CONTACT INFORMATION

Officer Name	Role	Company	Phone	Email
Dusty Stoabs, P.E.	President	Frankfurt Short Bruza	(405)840.2931	dstoabs@fsb-ae.com
Joe Sanders	Secretary	RB Akins Company	(405)947.6502	jsanders@rbakins.com
Shaun Sexton	Treasurer	050 Engineering Company	(405)236.2030	ssexton@050engineering.com
Alan Loeffler	Historian	Federal Corporation	(405)239.7301	aloeffler@federalcorp.com
Alejandro Garcia	Chapter Delegate Honors and Awards	The Benham Companies	(405)478.5353	alejandro.garcia@saic.com
Bryan Garcia, P.E.	Webmaster Chapter Alternate	Trane Company	(405)717.7614	bdgarcia@trane.com
Daniel Brazeale	YEA Coordinator Board of Governors Tech Transfer Chair	Engineered Equipment	(405)525.7722	dbrazeale@eei-ok.com
Timothy Jones	Member Promotions Board of Governors	Engineered Equipment	(405)525.7722	tjones@eei-ok.com
Brooke Enochs	Student Activities Chair	Tinsley-Mullens Engineers	(405)463.6570	benochs@tmecorp.com
Tony Clark	Newsletter Editor	Tinsley-Mullens Engineers	(405)463.6570	tclark@tmecorp.com
Brian Sauer	Tech Energy & Gov. Board of Governors	Garver	(405)329.2555	basauer@garverusa.com
David Royal	Research Promotions President Elect	Automated Building Systems	(405)245.5409	david.royal@abscompanies.com
Grant Flurry	Board of Governors	Federal Corporation	(405)239.7320	gflurry@federalcorp.com
Jason Keyes	Board of Governors	Siemens	(405)615.6690	jason.keyes@siemens.com
John Semtner	Board of Governors	Architectural Design Group	(405)808.5894	jsemtner@adgokc.com
Mark Furgason	Board of Governors	Automated Building Systems	(405)948.1794	mark.furgason@abscompanies.com



Board of Governors at Sportsman's Club on October 29, 2012.

AREA JOB OPPORTUNITIES



Frankfurt-Short-Bruza, an established multi-disciplined firm has immediate openings for self-motivated, detail oriented, confident and accountable individuals to fill the positions of Project Mechanical Engineer & Plumbing Designer. FSB offers an excellent salary & benefits package and a unique work environment where each individual is encouraged to make positive contributions to each other, our clients and communities. Please visit our website at www.fsb-ae.com for more company information.

Project Mechanical Engineer

Minimum three years HVAC design experience; Engineering Intern (EIT) or Professional Engineer (PE) licensure; CAD proficiency; Availability to travel for jobsite inspections and client meetings; Good verbal and written communication skills, Self-starter with ability to coordinate with in-house disciplines; Ability to manage in-house Plumbing and Fire Protection designers; Desire to serve as a project lead Mechanical Engineer.

Plumbing Designer

Minimum three years continuous and recent design experience in a similar role; Have a high school diploma or general equivalency degree; Be physically able and willing to climb ladders and maneuver crawl spaces; Possess design knowledge and proficiency to allow the successful execution of the above job responsibilities; Be proficient with engineering software used to perform job responsibilities; Be proficient with Autodesk AutoCAD and/or Revit MEP. If you are an individual who would like to join a progressive company that offers a positive working environment, send your resume and salary history to employment@fsb-ae.com. Salary is commensurate with experience and professional licensure.

FSB is an Equal Opportunity/Affirmative Action Employer.

High Impact Management, LLC (HIM), a growing Oklahoma City based company providing reliable, resourceful and responsive construction management solutions to federal, public and private sector clients is recruiting for the following positions:

Mechanical Engineer with HVAC experience to perform professional building/facility and mechanical engineering project duties in support of **HIM's** projects within an OKC military installation or complex.

- BS degree in the area of Mechanical Engineering along with P.E. license is desirable.
- Five (5) plus years HVAC experience or equivalent combination of education and experience.
- Primary responsibility is for building and facility mechanical engineering planning and design formulation work for multi-phase new construction, renovation, and improvement projects.
- Assist Project Managers (PM) in the production of the building mechanical portion of the Statement of Work, Design Analysis, Conceptual Drawings, Technical Requirements and ROM (Rough Order of Magnitude) and Feasibility Cost Estimates.

Building Electrical Engineer to perform professional building/facility and building electrical engineering project duties in support of **HIM's** projects within an OKC military installation or complex.

- BS degree in the area of Electrical Engineering along with P.E. license is desirable.
- Five (5) plus years experience or equivalent combination of education and experience.
- Primary responsibility for building and facility electrical planning and design work for substantial multi-phase, limited-design new construction, renovation, and improvement projects for a variety of real property facilities.
- Verify that programming, building electrical design requirements, and funding coordination is complete for each phase of a project in order to ultimately deliver a complete project, ready to advertise for construction contract award.
- Provide technical assistance and solutions to customers requesting building and facility electrical engineering expertise.

Both **Mechanical/Electrical Engineer** will work in conjunction with other engineers, engineering technicians, engineering project managers, and engineering inspectors and receive functional management from the design engineering lead, division managers, and assignments by the assigned engineering project managers. If interested, please email resume to HR@HIMOKC.COM



Presenters



Thomas E. Watson,
ASHRAE President



Drury Crawley, Ph.D



Jim Kelsey, LEED AP,
P.E., BEAP



Christopher Mathis

Assessing Building Energy Performance:

From Principles to Practice

April 18, 2013 | Noon to 3 pm CDT

This webcast will feature industry experts who will explain the importance of building energy performance and its far-reaching implications in both new and existing buildings. Viewers will also learn about the various tools and approaches that are available, as well as the many opportunities that assessing building energy performance presents.

How to Participate

- You may register to view the webcast on your PC
- You may host a webcast viewing site for your colleagues
- View the webcast at a site

PDH Credits

Three (3) Professional Development Hours (PDHs) or three (3) AIA Learning Units (LUs) may be awarded to viewers who complete the "Participant Reaction Form" by May 2, 2013.

For more information about the program, presenters, continuing education credits, sponsorships, and ABEP resources, please visit us at www.ashrae.org/ABEPwebcast OR scan this tag with your smart phone.

Central Oklahoma Broadcast Locations:

EEL: 4601 N Santa Fe Ave, Oklahoma City, OK 73118
Trane: 305 Hudiburg Cir Oklahoma City, OK 73108
OU: Student Memorial Union—Frontier Room
OSU: Contact Matt [mmatts@ostateemail.okstate.edu] for location



Free mobile app at
gettag.mobi



CENTRAL OKLAHOMA CHAPTER ASHRAE BALANCE SHEET

As of 1/31/2013

Account	Total
Assets	
Bank and Cash Accounts	
Bank of the West CD01	0.00
Bank of the West CD02	0.00
Checking-BOK	25,413.49
Petty Cash Meeting Meal Change	0.00
Undeposited Funds	0.00
Total Bank and Cash Accounts	25,413.49
Other Assets	
Accounts Receivable - old	0.00
Total Other Assets	0.00
Account Receivable	
Accounts Receivable	0.00
Total Account Receivable	0.00
Investment Accounts	
Bank of Oklahoma CD03	0.00
Bank of Oklahoma CD03 (Cash)	0.00
Total Investment Accounts	0.00
Total Assets	25,413.49
Liabilities	
Other Liabilities	
Prepaid Meals	0.00
Total Other Liabilities	0.00
Tax Liabilities	
Sales Tax	0.00
Total Tax Liabilities	0.00
Total Liabilities	0.00
Net Worth	25,413.49

CENTRAL OKLAHOMA CHAPTER - TREASURER'S REPORT - INFLOWS/OUTFLOWS

1/1/2013 through 1/28/2013

Subcategory	Total
Inflows	
BOG Meals 2012 Income	94.07
Receipts, Chapter Meals	
Jan 13	622.40
Total Receipts, Chapter Meals	622.40
Total Inflows	716.47
Outflows	
AHR 2013 Reimbursement	1,426.00
Chapter Meals/Meeting Exp	
Jan 13	991.75
Total Chapter Meals/Meeting Exp	991.75
Research Contributions	
12-13	1,520.00
Total Research Contributions	1,520.00
Special Event Expenses	
Future City 12-13	300.00
Total Special Event Expenses	300.00
YEA	
12-13	123.00
Total YEA	123.00
Total Outflows	4,360.75
Income less Expenses	(3,644.28)

CENTRAL OKLAHOMA CHAPTER ASHRAE BALANCE SHEET

As of 2/28/2013

Account	Total
Assets	
Bank and Cash Accounts	
Bank of the West CD01	0.00
Bank of the West CD02	0.00
Checking-BOK	24,111.00
Petty Cash Meeting Meal Change	0.00
Undeposited Funds	0.00
Total Bank and Cash Accounts	24,111.00
Other Assets	
Accounts Receivable - old	0.00
Total Other Assets	0.00
Account Receivable	
Accounts Receivable	0.00
Total Account Receivable	0.00
Investment Accounts	
Bank of Oklahoma CD03	0.00
Bank of Oklahoma CD03 (Cash)	0.00
Total Investment Accounts	0.00
Total Assets	24,111.00
Liabilities	
Other Liabilities	
Prepaid Meals	0.00
Total Other Liabilities	0.00
Tax Liabilities	
Sales Tax	0.00
Total Tax Liabilities	0.00
Total Liabilities	0.00
Net Worth	24,111.00

CENTRAL OKLAHOMA CHAPTER - TREASURER'S REPORT - INFLOWS/OUTFLOWS

2/1/2013 through 2/28/2013

Subcategory	Total
Inflows	
AHR 2013	320.00
BOG Meals 2012 Income	95.29
Dues, Society	40.00
Interest Income	0.19
Membership Dues	
From Society	680.00
Total Membership Dues	680.00
Receipts, Chapter Meals	
Feb 13	863.45
Jan 13	400.00
Total Receipts, Chapter Meals	1,263.45
Total Inflows	2,398.93
Outflows	
AHR 2013 Reimbursement	512.83
Chapter Meals/Meeting Exp	
Feb 13	974.00
Total Chapter Meals/Meeting Exp	974.00
Scholarship	
2012-2013	1,520.00
Total Scholarship	1,520.00
Special Event Expenses	
Fall Golf 12	597.84
Total Special Event Expenses	597.84
YEA	
12-13	96.75
Total YEA	96.75
Total Outflows	3,701.42
Income less Expenses	(1,302.49)

CENTRAL OKLAHOMA CHAPTER ASHRAE BALANCE SHEET

As of 3/25/2013

Account	Total
Assets	
Bank and Cash Accounts	
Bank of the West CD01	0.00
Bank of the West CD02	0.00
Checking-BOK	23,820.00
Petty Cash Meeting Meal Change	0.00
Undeposited Funds	0.00
Total Bank and Cash Accounts	23,820.00
Other Assets	
Accounts Receivable - old	0.00
Total Other Assets	0.00
Account Receivable	
Accounts Receivable	0.00
Total Account Receivable	0.00
Investment Accounts	
Bank of Oklahoma CD03	0.00
Bank of Oklahoma CD03 (Cash)	0.00
Total Investment Accounts	0.00
Total Assets	23,820.00
Liabilities	
Other Liabilities	
Prepaid Meals	0.00
Total Other Liabilities	0.00
Tax Liabilities	
Sales Tax	0.00
Total Tax Liabilities	0.00
Total Liabilities	0.00
Net Worth	23,820.00

CENTRAL OKLAHOMA CHAPTER - TREASURER'S REPORT - INFLOWS/OUTFLOWS

3/1/2013 through 3/25/2013

Subcategory	Total
Inflows	
<hr/>	
Receipts, Chapter Meals	
Mar 13	980.75
Total Receipts, Chapter Meals	980.75
Total Inflows	980.75
 Outflows	
<hr/>	
BOG Meals 2012	280.00
Chapter Meals/Meeting Exp	
Mar 13	991.75
Total Chapter Meals/Meeting Exp	991.75
Total Outflows	1,271.75
<hr/>	
Income less Expenses	(291.00)