



# The Texas Norther

Monthly Newsletter of the Dallas Chapter, Region VIII  
www.dallas-ashrae.org

Volume 58, No. 7

March 2009

## Chapter Meeting

### See you in March at the next meeting.

8:00 a.m. Seminar  
11:00 a.m. Main Meeting  
Registration  
11:30 a.m. - Luncheon

#### Where:

Maggiano's Little Italy  
North Park Mall  
205 Northpark Center  
Dallas, TX 75225

#### Seminar Topic:

LEED Existing Building Standard

#### Lunch Session Topic:

LEED 2.2v vs 2009 Standard

#### Presenters:

Ken Sidebottom  
Johnson Controls, Inc.  
Melissa Wackerle  
The Beck Group

#### Reservations:

By Phone - 972/780-6019  
On the web - <http://www.dallas-ashrae.org/reservations1.php>

PLEASE REFER TO THE  
RESERVATION POLICY  
ON THE BACK PAGE OF  
THIS NEWSLETTER

Letters to the Editor should be  
sent via e-mail to  
[kmiller@md-eng.com](mailto:kmiller@md-eng.com)

ASHRAE National Customer Service:  
800/5ASHRAE

## Message From the President

Message from the President  
March 2009

In case you missed it, the February technical session and meeting was at our new meeting location Maggiano's Little Italy in Northpark. We will plan to meet there for the remainder of the spring. Mr. Pat Cockrum with PCI Industries provided both the technical session and meeting discussion on building code requirements for Fire/Smoke Dampers and applications. Thanks to Pat for an informative discussion on current codes and requirements.

This month we have three scheduled joint meetings. We will be meeting with the Dallas Chapter of the USGBC including a seminar and lunch topic on the new LEED requirements at Maggiano's for this month's regular meeting date. Don't miss it.

Additionally, we have a Research Promotion Sporting Clay Shoot with the DFW Chapter of ASPE, scheduled for Friday March 13 and an ASHRAE Dallas - Ft Worth meeting with Society President Bill Harrison as our keynote speaker. Peter Sudbeck, your programs chair will follow-up with more information on this upcoming meeting.

Next month, mark your calendar to include the Region 8 CRC in Lubbock. If you haven't attended a CRC (Regional Meeting) plan to attend.

As the 2008 - 2009 ASHRAE Dallas year continues, consider if you would like to join a committee to help. If you have any questions or would like more information please contact any of your current officers.

We are looking forward to seeing you at the next meeting.

Respectfully,  
Walter D. Horn P.E.





CALENDAR 2008-09						
		Chapter		Society		Other
Sept	9/3/08 9/10/08	BOG Meeting - Double Tree Hotel Chapter Meeting - Royal Oaks CC <i>Geothermal Heat Pump Design &amp; Don Penn, Image Engineering, Ltd.</i>				
Oct	10/1/08 10/8/08	BOG Meeting - Double Tree Hotel Chapter Meeting - Royal Oaks CC <i>DDC Controls &amp; Specification Items Randy Christie, Johnson Controls, Inc.</i>				
Nov	11/5/08 11/12/08	BOG Meeting - Double Tree Hotel Chapter Meeting - Royal Oaks CC <i>The New (Proposed) ASHRAE 189.1 for Higher Performance Green Buildings Thomas M. Lawrence, Ph.D, University of Georgia</i>				
Dec	12/3/08 12/10/08 12/10/08	BOG Meeting - Double Tree Hotel Chapter Meeting - Royal Oaks CC <i>VFD's in Central Plant Operation Roy Hubbard, Johnson Controls, Inc.</i> Seminar Psychrometrics & Pump Basics Roy Hubbard, Johnson Controls, Inc.				
Jan	1/7/09 1/14/09	BOG Meeting - Double Tree Hotel Chapter Meeting - Royal Oaks CC <i>Engineering Ethics Lance Kinney PE, Texas Board of PE</i>	1/25/09 - 1/29/09	ASHRAE Winter Meeting - Chicago	1/24/09	Future Cities Judging
Feb	2/4/09 2/11/09 2/11/09	BOG Meeting - Double Tree Hotel Chapter Meeting - MAGGIANO's <i>Fire/Smoke Damper - Applications Pat Cockrum - PCI Industries</i> Technical Session - Code Requirements	2/20/09 2/21/09 2/17-23/09	Region VIII Strategic Planning Meeting - President Elect Training Engineer's Week		
Mar	3/1/09 3/4/09 3/11/09 3/13/09 3/18/09	Membership Promotion Month BOG Meeting - Double Tree Hotel Chapter Meeting - MAGGIANO's LEED EB Seminar & Lunch Meeting Ken Sidebottom, USGBC Chairman Sporting Clay Shoot with ASPE ASHRAE President Bill Harrison - Joint Meeting with Fort Worth Chapter Night mtg. 5:30 pm - 7:00 pm				
Apr	4/1/09 4/8/09 4/22/09 4/30/09	BOG Meeting - Double Tree Hotel Chapter Meeting - MAGGIANO's <i>DDC Controls, Wireless Technology Pat Harder - Johnson Controls, Inc.</i> ASHRAE Satellite Broadcast <i>Clean, Lean, and Green: IAQ for Sustainable Buildings</i> ASHRAE Golf Tournament <i>Bridlewood Golf Club</i>	4/23/09 - 4/25/09	Region VIII CRC West Texas Chapter Lubbock, Texas		
May	5/6/09 5/12/09	BOG Meeting - Double Tree Hotel Chapter Meeting - MAGGIANO's Ductless Systems <i>Jack Geortner - Johnson Controls, Inc.</i>				
Jun	6/3/09	BOG Meeting - Doubletree Hotel	6/20/2009 - 6/24/09	ASHRAE Annual Meeting Louisville KY		
Notes				ALI - ASHRAE Learning Institute		



**MARCH CHAPTER LUNCHEON  
& LEED EB SEMINAR**

Date: Wednesday, 03/11/2009

Time: LEED EB Seminar Meeting Time

7:30 am Registration  
8:00-11:00 am Seminar  
(3 PDH)

Lunch Meeting Time

11:00 am Registration  
11:30 am-1:00 pm Luncheon  
(1 PDH)

Location: Maggiano's Little Italy

North Park Mall  
205 Northpark Center  
Dallas, TX 75225

Reservation Line: (972) 780-6019

Or online: [www.dallas-ashrae.org](http://www.dallas-ashrae.org)



# ASHRAE DALLAS CHAPTER & USGBC NORTH TX CHAPTER

## LEED EB Seminar

### **LEED Existing Building (EB) Standard**

**Ken Sidebottom**  
Johnson Controls, Inc.

**LEED EB Seminar Topic Description:**

This presentation will cover current LEED Existing Building Standard code requirements, exceptions, and trends.

## Lunch Meeting

### **LEED 2.2v vs 2009 Standard**

**Melissa Wackerle**  
The Beck Group

**Lunch Meeting Topic Description:**

This presentation will provide a comparison of the previous LEED 2.2v versus the new 2009 Standard. This comparison will detail the changes made in the rating of buildings along with the differences on how individuals can get their LEED accreditation.

**Presenter:**

Ken Sidebottom, Chair, Board of Directors - NorthTexas Chapter of USGBC, and works for Johnson Controls, Inc. Ken provides support in facility assessment, program development and implementation planning for Green Building projects and LEED® Certified projects developed by Johnson Controls globally. Ken belongs to several industry organizations, including the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) and the Association of Energy Engineers (AEE). He has published articles in various industry Publications and is quoted on the benefits of Greening Existing Buildings and the benefits of Building Green.

*Lunch Program and Seminar - \$100.00*

*Lunch Program only- \$20.00*

*Seminar only - \$80.00*

*Lunch Program only (no meal) - \$10.00*

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Reservations can also be made online at [Dallas-ASHRAE.org](http://Dallas-ASHRAE.org)



## **Economic Stimulus Bill Reinforces Importance of Energy-Saving Standard 90.1**

ATLANTA—In the economic stimulus package just signed into law by President Obama, ANSI/ASHRAE/IESNA Standard 90.1-2007 and its energy-saving features are recognized through special funding measures.

For states to receive additional funding from the \$16.8 billion allotted to the Department of Energy, Office of Energy Efficiency and Renewable Energy, governors would be required to work toward implementation of a building energy code at least as stringent as Standard 90.1-2007 and to develop a plan for achieving 90 percent compliance with the code, including provisions for training and enforcement programs.

“For more than 30 years, Standard 90.1 has been one of the building industry’s most important benchmarks for energy efficiency,” says ASHRAE President Bill Harrison. “Its inclusion in the economic stimulus package demonstrates not only its importance in the building industry, but the importance and economic potential of saving energy and promoting energy-efficient technologies.”

Standard 90.1 provides minimum requirements for the energy-efficient design of buildings in the United States, except low-rise residential buildings. Written during the 1970s energy crisis, ASHRAE Standard 90.1 first was published in 1975 as an effort to cut energy use in buildings. The 2004 version of the standard is referenced in the U.S. Energy Policy Act, which requires states to adopt commercial building codes that meet or exceed the standard’s requirements.

ASHRAE has set a goal of making the standard 30 percent more stringent over the 2004 version by the 2010 publication.

The stimulus package, the American Recovery and Reinvestment Act, focuses on economic stimulus through both tax credits and public-sector spending, with a heavy focus on infrastructure and energy. Several provisions are of interest to and could bring new opportunities to the building sector, including:

- Tax credits for the production of renewable energy are extended until at least 2012
  - Research expenses associated with renewables, conservation, and carbon capture and sequestration could result in higher credits in 2009 and 2010
  - The Department of Energy is authorized to provide grants up to 30% of the cost of installation of items such as fuel cells, solar, small wind, geothermal heatpumps, and combined heat and power systems
  - Department of Energy, Energy Efficiency and Renewable Energy receiving \$21.4 billion for research, weatherization assistance, grants and other programs
  - Department of Labor receiving \$750 million for job training, with significant focus on emerging industry sectors including energy efficiency and renewable energy
  - Federal agencies are receiving considerable funds for retrofitting and upgrading existing facilities to meet federal energy and water use requirements and alleviate any maintenance backlogs

For more information on ASHRAE government affairs, please visit [www.ashrae.org/advocacy](http://www.ashrae.org/advocacy).

## **ASHRAE Publishes Updated Guidance for Buildings in Hot and Humid Climates**

ATLANTA – Expanded and revised guidance on keeping heat and humidity out of buildings in hot and humid climates is contained in a new book from ASHRAE.

The second edition of *The ASHRAE Guide for Buildings in Hot and Humid Climates*, is expanded from 124 to 316 pages and based on years of questions, comments and suggestions from practicing architects, engineers and building managers who work in hot and humid climates, according to author Lew Harriman.

The book includes four new chapters to guide architectural design toward reduced energy consumption, reduced mold risk and lower-cost mechanical systems. The HVAC&R design section has also been expanded. Six new chapters help system designers quantify and reduce cooling and dehumidification loads, design more economical ventilation systems and save more than 25 percent of annual HVAC&R energy through low-cost sealing of air distribution components. Suggestions for contractors are also provided to reduce mold risk and prevent scheduling problems through simple improvements to jobsite practices as well as through modern drying technology.

Chapter summaries allow building professionals to quickly understand the big picture issues and to understand the logic behind suggested best practices for hot and humid climates. The book also provides specific, actionable suggestions for implementing ASHRAE standards for comfort, ventilation and energy efficiency in parts of the world where high heat and humidity can occur at any time of the year.

The cost of *The ASHRAE Guide for Buildings in Hot and Humid Climates*, expanded second edition, is \$116, non-members (\$99, ASHRAE members).



## ASHRAE Satellite broadcast/webcast

April 22, 2009 1:00-4:00 p.m. edt



Using the guidance provided by the IAQ Guide: Best Practices for Design, Construction, and Commissioning developed through collaboration with ASHRAE, AIA, BOMA, EPA, SMACNA and USGBC, this broadcast will challenge the building community to use enhanced IAQ practices to create a more sustainable built environment. Join ASHRAE in learning more about your role in transforming mid-range practice into best practice for healthy, productive, sustainable indoor environments.

This free broadcast/webcast is sponsored by the ASHRAE Chapter Technology Transfer Committee with support from the United States Environmental Protection Agency. For complete details, visit our website at [www.ashrae.org/ibdbroadcast](http://www.ashrae.org/ibdbroadcast).

### How to Participate

- You may host a broadcast site for your colleagues.
- You may register to view with others at a site near you.
- You may register to view the Webcast on your PC.

### PDH Credits

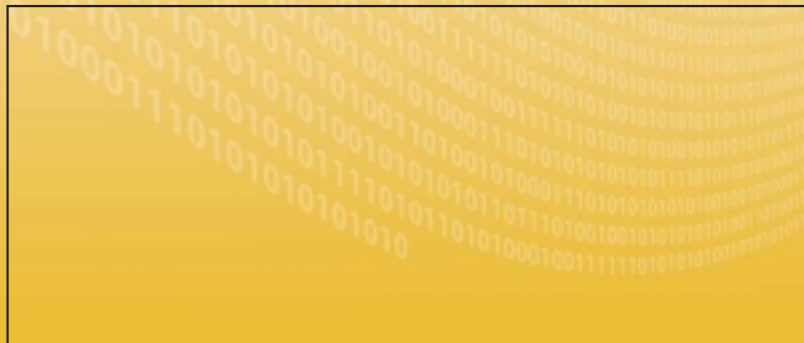
Three (3) Professional Development Hours or three (3) AIA Learning Units may be awarded to viewers who complete the "Participant Reaction Form" following the broadcast.

### About the Presenters

- Martha Hewett, Director of Research, Center for Energy & Environment, Minneapolis, MN  
"Practical, Proven Strategies to Deliver Better IAQ"
- Hoy Bohanon, P.E., Owner and Manager of Bohanon Engineering, PLLC, Winston-Salem, NC  
"Improving Your IAQ and Reducing Your Energy Costs through HVAC Design"
- H.E. Barney Burroughs, Owner and CEO of Building Wellness Consultancy, Inc, Atlanta, GA  
"Keeping Buildings Clean: Avoiding and Building Control of Contaminants to Attain and Maintain IAQ Acceptability"
- George DuBose, Certified General Contractor, Liberty Building Forensics Group, Orlando, FL  
"Avoiding Costly IAQ Problems in the Building Envelope"
- John McFarland, P.E., Director of Engineered Systems, WorkingBuildings, LLC, Atlanta, GA,  
"Integrating Good IAQ into the Design & Construction Process"

### Registration

There is no fee for registration. Online registration for satellite site coordinators and Webcast viewers will begin March 2, 2009, at [www.ashrae.org/iaqbroadcast](http://www.ashrae.org/iaqbroadcast). Satellite viewer registration will begin March 16, 2009. If you have any questions, call 678-539-1206 or email [ashrae-satellitebroadcast@ashrae.org](mailto:ashrae-satellitebroadcast@ashrae.org).





**RESERVATION POLICY:** To encourage members to make early reservations, the CHAPTER offers meals at the reduced rate of \$20.00. The regular rate of \$25.00 per meal is charged for all meals for which there is no prior reservation. A non-diners' table is provided for the convenience of those who do not want to eat a meal, but do want to attend the CHAPTER meeting. Reservations must be made by 12 NOON of the Monday prior to a CHAPTER meeting. If necessary, a previously made reservation may be cancelled no later than 8 AM of the day before a CHAPTER meeting. Those who have made reservations for a meal are responsible for payment to the CHAPTER, even if they cannot attend the meeting.

## 2008-2009 Dallas Chapter Officers and Board of Governors

The Officers, Board of Governors and Committee Chairs may be contacted via the following phone numbers or at the Chapter address; P.O. Box 802426, Dallas, 75380-2426

		Phone	Email
President	Walter D. Horn	214.622.6441	walter.horn@jjainc.com
President-Elect/Programs	Peter Sudbeck	972.868.3658	peter.j.subbeck@jci.com
Research Promotion	Mark S. Meyer	972.570.4700	markm@texasairsystems.com
Secretary	Ben Bain	972.570.4700	benb@texasairsystems.com
Treasurer	W. Preston Dickson	214.349.2320	pdickson@timberlakedickson.com
Immediate Past President	Mark S. Meyer	972.570.4700	markm@texasairsystems.com
Governor Membership Program	David Macicek	972.406.6000	dmacicek@trane.com
Governor TEGA	Doug Bronson	214.622.6402	doug.bronson@jjainc.com
Chapter Technology Transfer	Peter Sudbeck	972.686.3658	peter.j.sudbeck@jci.com
Student Activities	Jeffery W. Vestal	469.568.6300	jvestal@adwcorp.com

## 2008-2009 Dallas Chapter Committee Chairs

Historian	Roy Taylor	972.241.4881	tiffins40@sbcglobal.net
Webmaster	Luis Natareno	214.622.6437	luis.natareno@jjainc.com
Roster	Bob Dawson	214.765.8703	RDawson@lan-inc.com
Newsletter Editor	Kevin Miller	469.467.0200	kmiller@md-eng.com
Photographer	Paul LeMaire	972.620.3600	plemaire@frymire.com
Honors & Awards	N/A		
Golf	Rusty Vaughn	972.570.4700	rustyv@texasairsystems.com
Publicity	Leo Stamaugh	214.369.3500	leostambaugh@cs.com
Refrigeration	Tony F. Zemanek	972.620.3500	tzemanek@frymire.com

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