



# The Comfort Chronicle

American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.  
East Texas Chapter #091, Region VIII

Volume XXVIII, Issue III, March 2009

www.ashrae-etex.org

## What is ASHRAE and What Does it Mean to us?

By Dick Cawley, P.E.



### What is ASHRAE?

The American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) was founded in 1895 (as ASHVE) and now have about 55,000 members

worldwide. This compares to 120,000 members of the American Society of Mechanical Engineers (ASME), but our members are more specialized. As the following Mission and Vision Statements imply, ASHRAE is the leading engineering organization for addressing concerns with comfort, air quality, global warming, ozone depletion, and conservation of natural resources:

#### Mission Statement:

*To Advance the Arts and Sciences of HVAC&R to Serve Humanity and Promote a Sustainable World*

#### 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.*

It should also be clear that we members must maintain a high degree of professionalism using the knowledge of our specialty fields, because the public is counting on us. We are to provide comfort, clean air, and quality foods for people by preparing equipment and procedures that are safe

and reliable while preserving the earth's resources for future generations. When we signed up to be equipment design engineers, consultants, architects, educators, marketers, researchers, trainers, and/or service technicians in the HVAC&R industry, we inherited those responsibilities. Most of us would not have it any other way.

**Board of Governors Meeting**  
TJC White Center Board room  
Meet @ 7 AM on February 19th

#### **February Meeting**

Date: February 19<sup>th</sup>, 2009 Location: UT Tyler  
3900 University Blvd. Tyler, Tx 75799  
Cost: please refer to flyer  
Schedule: please refer to flyer Program:  
e-week banquet Speaker: various Please  
RSVP to: Sheri McLain, phone 903-581-3391,  
fax 903-579-7862 - email  
[sheri.mclain@trane.com](mailto:sheri.mclain@trane.com)

#### **Future ASHRAE Society & Regional Meetings**

Region VIII CRC 2009	April 23-25
Lubbock, TX	
2009 ASHRAE Annual Meeting	June 20-24
Louisville, KY	

ASHRAE is structured so that its 55,000 members – individually and collectively - can be proactive in providing research, preparing standards, and educating its members and the general public. These efforts constantly improve the health, safety, and sustainability of people, animals, food, and resources in keeping with the mission and vision statements. There are three levels at which members participate: (Continued on page 2)

**(From page 1)**

**National (International) Level** - Here is where almost all of the materials – research, standards, and education – are generated by members. The structure at the national level is:

- Board of Directors
- Councils (Technology, Publishing, Members).
  - Technical and standards committees report indirectly to Technology Council. There are over 100 technical committees (where the action is) and there are many committees responsible for preparing and maintaining standards that guide our industry and find their way into codes and law.
- Regions (and Chapters) are heard through Members Council
- Standing committees (Finance, Planning, Rules, Honors and Awards, etc.)

**Regional Level** – There are 13 regions Plus 1 at large region covering much of the globe.

- We are in Region VIII with 14 other chapters (3 in Mexico)
- Regions have A Director & Regional Chairman and Regional vice Chairs. All report to members council at the national level
- All chapters within the region meet annually to conduct business (and enjoy fellowship with other members). This meeting is referred to as the Chapters Regional Conference (CRC). This year, the Lubbock Chapter is hosting the event, which rotates between chapters.

Finally, the **Local Level** – Our East Texas Chapter is one of 167 chapters organized into regions worldwide. As local members, we can express our opinions; suggest research, comment on standards, and request policy change to the society through the regional officers. This does not mean we should simply reside at the local level with our

participation. As will be seen later, members are encouraged to participate in all levels of ASHRAE.

**What Does ASHRAE Mean to Us?**

As professionals, ASHRAE – our professional organization - should mean a great deal to us. There are several reasons we should each join in and actively participate at national, regional, and local levels:

- Whether designing or specifying equipment, rules and methods are anchored by ASHRAE standards. We have an opportunity to influence these standards with our participation in ASHRAE. Typical adaptations of ASHRAE standards are:
  - National regulations (DOE, EPA)
  - Building codes (state, municipal, BOCA, and other entities)
  - Testing standards (ARI, DOE)
  - Other society activities concerning energy and IAQ
- ASHRAE sponsors \$2.5 million/year in research. we should:
  - Be involved to ensure this research will address industry (and society) needs
  - Carry the research into applications (papers, handbooks, etc.)
  - Capitalize on the results of research by Using them on the job
- ASHRAE publishes Standards, Handbooks, Journals, Transactions, and Position Statements. We should participate in their preparation to help maintain truth and professionalism
- There are many opportunities to serve and interact with peers in other organizations, thereby gaining broader exposure to thoughts and ideas outside of our own little work worlds
- Numerous technical papers are presented at national, regional, and local levels. These are great sources for learning and keeping abreast

How does one get involved? We suggest:

- Begin by joining and participating in the local chapter
  - Attend the monthly meetings and enjoy good programs and activities. Maybe you could share your experiences by speaking at a meeting
  - Volunteer to serve as one of the officers
- Take advantage of the regional activities
  - Attend the CRC. There are good opportunities to participate in programs and training sessions while interacting with members from other chapters
  - If serving as an officer or committee chairman, work with the RVCs (Regional Vice Chairmen)
- Finally, attend the national meetings
  - Serve on technical committees – this is where everything happens
  - Serve on standards committees – also an action spot
  - Attend great technical sessions
  - Meet people from around the world with similar interests

One would look at this list of suggestions and think **“wow! That will require a lot of time.”** True, but remember that this work must be done for the good of society. Other professionals are participating, and the results will have their input. ***Don’t you want some of this important work to bear your mark?***

Dick Cawley, P.E.

Fellow-Life Member ASHRAE

## March Meeting Note

Society President Bill Harrison’s message, “Maintain to Sustain – Delivering ASHRAE’s Sustainability Promise,” is now available for download for chapter programs at [www.ashrae.org/cttc](http://www.ashrae.org/cttc). This presentation provides

information to improve operational strategies to enhance building energy performance. After accessing the web page, scroll to the Chapter Programs Section and it is the first link. If you have questions regarding this presentation or CTTC programs and activities, please contact [rdouglas@ashrae.org](mailto:rdouglas@ashrae.org).

### **Membership Promotions reminder:**

All members are honorary membership promotions committee members and are encouraged to recruit new members as the opportunity presents itself. If you have a potential new member, please refer them to your Membership Promotion Chair (Clinton Odom), or to any BOG member if they need assistance registering for membership on the ASHRAE website. (<https://eweb.ashrae.org/eweb/DynamicPage.aspx?webcode=verify>)

East Texas Chapter ASHRAE Research Promotion  
Prepared by Rhamy Morrison



As we understand our world today, it is changing at exponential rates. At the beginning of 2008 it appeared our industry would experience some effects of inflation because of the slowing of new home starts. But, were we prepared for the results? I think not!

As one person put it, our 40k’s became 101k’s in a very short period of time. The market has taken its largest sustained hit since the great depression of 1929. That phenomenal downturn of 89% in the Dow Jones Industrial average occurred over a 2-year period from 1929 until 1932.

However, according to some historians, in 1987 the Dow Jones suffered another crushing blow, the biggest single day loss in history; 22.6%.

Many, if not all, are suffering from the current market downturn. Personally, I have experienced approximately 66% loss. Now, I am not a market analyst, nor do I understand how to play in the market. It is more like gambling than going to Vegas or Shreveport. At least there, I can have a few hours of fun and relaxation at a controlled spending level.

I said all of this to say that the past month's events have significantly curbed our Chapter's efforts to participate in ASHRAE's Research Promotion campaign. As we know, all manufacturer's and engineering businesses have suffered due to reactions from our Federal government and customers that use our services. People have reverted to a defensive mode and elected to repair their systems and not build new structures anticipating a downturn in business. This reaction has caused some businesses to react with layoffs, plant closures, and business closures.

Even though economic times appear to be gloom and doom, history shows us that we (United States) survive and rebound even stronger. As our current Federal administration suggests, all of us must roll up our sleeves and work harder. Something that American people are all about; "when the times are tough, the tough get going!"

Last year (2008) ASHRAE Research Promotion exceeded its contribution goal of \$2M. By spring 2008, ASHRAE had committed over \$1.2M to Region VIII active research projects and grants. Texas universities received over 55% of those funds.

In the current economy, 2009 will tax all of us. We need to help each other and pull together to overcome this market downturn.

History does repeat itself! We (Americans) will survive! It may take a while but something will happen to rejuvenate our economy again. It is more evident today than in days gone by that this economic event is affecting our global economy in significant ways.

All ASHRAE chapters are struggling to meet goals. According to the latest chapter report some are on track to obtain their goals. One industry prediction is that the HVAC-R industry in North America will increase by 5% each year through 2012, while Asia and Eastern nations should realize a 7% industry increase. That is good news!

All research is vital to our economy as well as our well being and the sustainability of our industry. ASHRAE Research is continuing to fund research in the most economical approaches.

The businesses and companies that survive this economic downturn must be creative in their approach to their business strategy. For the East Texas Chapter to meet its RP goals, we must do the same. Therefore, within the month of March, we plan to announce our 2008-2009 campaign plans. With guidance from the BOG, our Chapter plans a no-frills RP campaign this year.

A no-frills approach means that we will not front-seed a planned event but offer packages for purchase with part of the proceeds going toward RP. That way someone purchasing a package will receive direct benefit and contribute to ASHRAE Research at the same time. More will be announced later this month.

In the past this Chair challenged everyone to contribute \$1 for each year of membership in ASHRAE. I also told you that those people employed at Trane and that have a membership in ASHRAE, Trane will match their contributions.

ASHRAE contributed in 2008 over 55% of Region VIII contributions back to Texas universities for grants and research. That is over \$700,000!

Again, this year the East Texas Chapter obtained Full Circle. That means that the officers and chairs contributed \$100 each to research. Another fact is that if each East Texas Chapter members contributed \$75 each, we would meet our RP goal for this campaign year.

Everyone is aware of the global economic conditions but it will continue to plummet unless we do something to change attitudes. None of us can be frivolous but we can make a difference!

That is why I am asking you to help our Chapter meet its research goal this year by committing to one of the challenges by April 1<sup>st</sup>.

1. Contribute \$1/year that you have been a member of ASHRAE.
2. Make an annual contribution of \$75.
3. Purchase one of the fun packages your chapter will be offering in March.

It is easy to make a contribution of any amount. Use this link to contribute online at ASHRAE.org:

[https://www.ashrae.org/aboutus/resource\\_promotion.asp](https://www.ashrae.org/aboutus/resource_promotion.asp)

You will be helping your chapter, your community, your state, your environment, and your family. Together, we can make a difference! Our industry tremendously affects so many aspects of our world and our environment by improving comfort, food preservation, and the environment.

#### **February Meeting Minutes from Board of Governors** Prepared by Stan Wilkins

*Attendees: Gene Branum, Dick Cawley, Rhamy Morrison, Clinton Odom, Kristin Schaefer, Don Schuster, Bill Stiles, Stan Wilkins*

**Meeting Location and Time:** TJC White Center's Board Room from 7-8am

#### **President – Kristin Schaefer**

- Welcomed board of governors and chapter officers

#### **Secretary – Stan Wilkins**

- No minutes to present from January BOG meeting
- Confirmed attendance to president elect training in Dallas on Feb 21

#### **Treasurer – Bill Stiles**

- No news to present

### Chapter Programs – Kristin Schaefer

- Some discussion was had about the society presidential visit for the March technical meeting. L. Zinger has agreed to make the flyer early in an effort to communicate the meeting in ample time. The meeting was confirmed at Trane and will be catered by Sadlers. Bill Harrison's topic will be "Maintain to Sustain." It was agreed to send supplemental information to the engineering leadership of both Carrier and Trane in an effort to further emphasize the presidential visit.
- The April technical meeting topic will be the ASHRAE satellite broadcast.
- The May technical meeting was confirmed at Carrier with Stanley's BBQ as the caterer. The presenter will be Estes McClure and Associates.

### Historian – Don Schuster

- D. Schuster has promised a write-up in the April newsletter based on the past chapter presidents where they are now. It was agreed upon that the May technical meeting will recognize last and this year's significant service anniversaries. Due to budget constraints, only the meals for this year's significant anniversaries will be covered by the chapter.

### BOG / Refrigeration – Dick Cawley

- The April satellite broadcast has materialized and is planned.
- D. Cawley has promised an article on CRC participation in the March newsletter.

### BOG / Research Promotion – Rhamy Morrison (absent)

- Thus far, there has been little response for contributions from the chapter's perennial contributors. There has been a commitment from Walker and Associates. Trane has denied contribution, and Carrier is very unlikely to contribute.

### Membership Promotion – Clinton Odom

- No news to present.

### Student Activities – Scott Randall (absent)

- A lengthy discussion was had regarding E-Week's response to ASHRAE's participation at the banquet. The only area that was given to ASHRAE for a display was denied since it was away from the primary path of passers by during the open house portion. The consensus of the BOG was that there needs to more emphasis on engineer's and engineering societies' participation in the E-Week banquet. It seems that the schools have put too much emphasis on recruiting, and the banquet has lost sight of its original intention.

### Student Activities – Dr. Jeff Mountain (UT Tyler Adviser) (absent)

- No news to present.

### BOG – Gene Branum

- Confirmed student participation at the E-Week banquet.

### New Business

- Next BOG meeting: March 19, 2009 at TJC White Center's Board Room from 7-8am

### March Technical Meeting – "Maintain to Sustain" presented by Bill Harrison

- Bill Harrison, society president, will present his topic titled "Maintain to Sustain."

For the latest ASHRAE information, see the "ASHRAE Press Releases" section at

<http://www.ashrae.org/pressroom/>

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).

To order, contact ASHRAE Customer Service at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit at [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore). ASHRAE Government Affairs Update, 2/20/09

- > \* Tennessee: Renewable Energy and Energy Efficiency Creates Jobs
- > \* Michigan Governor Pushes Fossil Fuel Use Cuts
- > \* President Obama Orders Swift Action on Appliance Efficiency Standards
- > \* DOE Awards \$40 Million for Industrial Use of Alternative Fuels, CHP
- > \* U.S. Wind Power Capacity Takes Top Spot due to Rapid Growth
- > \* DOE and ASHRAE Establish Washington Fellowship

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#### Tennessee: Renewable Energy and Energy Efficiency Creates Jobs

The State of Tennessee released a report that says the state could reduce its unemployment rate, reduce manufacturing job losses, and increase income growth by investing in energy efficiency and renewable energy.

The report Growing Green: The Potential for Green Job Growth in Tennessee was prepared by the Research and Statistics Unit of the state's Department of Labor and Workforce Development's Employment

Security Division and submitted to the Governor's Task Force on Energy Policy.

Five energy efficiency and renewable energy sectors within the state were analyzed in the report: "green" building, biofuels, wind, solar, and geothermal energy. In those sectors, the report identified 162 occupations representing employment potential in Tennessee.

Many of the potential gains would be in the same categories of jobs people work in today. For example, construction and modification of green buildings requires electricians, roofers and carpenters. Expansion in biofuels requires chemical engineers, agricultural equipment operators and truck drivers. Construction of wind energy sources requires tool and die makers, metal fabricators, and industrial production managers, among many others.

The report states:

\* By spending \$1.9 billion to expand energy efficiency and renewable energy production over two years, Tennessee could create about 45,000 new jobs.

\* By accelerating its investment effort, the state could gain more than 4,200 full-time jobs in wind and nearly 400 in solar components manufacturing by 2015.

\* Among the 162 occupations related to green jobs in Tennessee, 75 percent do not require a college education.

For more information, read the full report.

(<http://www.state.tn.us/labor-wfd/Publications/EmploymentSecurity/GrowingGreenInTN2008.pdf>).

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#### Michigan Governor Pushes Fossil Fuel Use Cuts

In her State of the State speech, Michigan Governor Jennifer Granholm set a goal of reducing the state's reliance on fossil fuels for generating electricity by 45 percent by 2020. Reaching that goal, she said, will require more growth in the state's renewable energy and energy efficiency industries, which will create more jobs. She also praised the economic benefits that those industries have already brought to Michigan.

Granholm said the state could reach the "45-by-20" goal and gain jobs by "spending our energy dollars" on Michigan-produced wind turbines, solar panels, and energy efficiency devices, instead of spending nearly \$2 billion per year importing coal or natural gas from other states.

In October 2008, Michigan enacted a renewable energy standard, requiring the state's investor-owned utilities, alternative retail suppliers, electric cooperatives, and municipal electric utilities to

generate 10% of their retail electricity sales from renewable energy resources by 2015. Since then, Granholm said, four wind manufacturers announced expansions or new plants and three solar panel facilities or major expansions are planned.

To help reach the 45-by-20 goal, Granholm said she would:

- \* Ask the legislature to make Michigan the first state in the nation to allow every homeowner and business to make money by installing wind turbines and solar panels on their property and then selling the energy back to their utilities. Such legislation, she said, would create a new market for large and small wind turbines and solar panels made in the state.

- \* Ask the Public Service Commission to change how rates are set, so that utilities make money by helping customers conserve energy.

- \* Create a Michigan Energy Corps to put unemployed people back to work weatherizing buildings, installing renewable energy technology and processing natural resources into renewable fuels.

- \* Launch a program called Michigan Saves, in conjunction with utility companies, which would allow families and businesses to weatherize their homes and buildings and install Michigan-made energy efficiency technology with no up-front costs. The monthly savings, she said, will pay for the cost of the improvements.

These efforts will lessen the need for new coal power plants, Granholm said. She has directed the Department of Environmental Quality to work with the Public Service Commission in evaluating the need for additional electricity generation and "all feasible and prudent alternatives" before approving new coal-fired power plants in the state.

To learn more, read the governor's State of the State speech ([http://www.michigan.gov/documents/gov/SOS2009\\_265915\\_7.pdf](http://www.michigan.gov/documents/gov/SOS2009_265915_7.pdf)).

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#### President Obama Orders Swift Action on Appliance Efficiency Standards

President Barack Obama issued a memorandum that instructs the Department of Energy (DOE) to take all necessary steps to finalize new appliance efficiency standards as quickly as possible. As noted by the president, the Energy Policy and Conservation Act of 1975 (EPCA) set certain deadlines for DOE to set energy efficiency standards for a broad class of residential and commercial products, and in 2005, DOE was sued for allegedly failing to meet the deadlines and other requirements of the EPCA. In November 2006, DOE entered into a consent decree,

under which DOE agreed to publish the final rules for 22 product categories by specific deadlines, the latest of which is June 30, 2011. In addition, the Energy Independence and Security Act of 2007 (EISA) directed DOE to establish energy standard for additional product categories.

Although DOE has made progress on meeting its consent decree, the agency remains subject to deadlines on 15 of the 22 product categories, as well as a number of additional product categories added by EISA. President Obama directed DOE to focus its efforts on the five energy efficiency rules with deadlines prior to August 8, and then to prioritize its efforts, tackling first the standards that will result in the greatest savings, while still meeting all applicable deadlines. The president announced the new memorandum on a visit to DOE, during which he spoke primarily about his economic stimulus plan. See the presidential memorandum at [http://www.whitehouse.gov/the\\_press\\_office/ApplianceEfficiencyStandards/](http://www.whitehouse.gov/the_press_office/ApplianceEfficiencyStandards/).

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#### DOE Awards \$40 Million for Industrial Use of Alternative Fuels, CHP

DOE announced its award of nearly \$40 million to support the industrial use of alternative fuels and combined heat and power (CHP) technologies. The two separate award announcements included \$30.7 million over the next four years, subject to congressional appropriations, for cost-shared research and development of industrial systems capable of using alternative fuels. The seven alternative fuel projects selected for more than \$9 million in funding this year primarily involve the development of fuel injectors, nozzles, fuel-handling systems, and entire integrated systems for gas turbines, boilers, and other combustion systems. The systems will need to handle fuels with high hydrogen content or with low energy content, such as those produced by anaerobic digesters, as well as fuels containing reactive species that can cause corrosion or generate pollutants. The systems will draw on such sources as wood waste and tire-derived fuel, and one project will use an anaerobic digester to convert cow manure into methane, which will fuel an engine connected to a generator.

An additional 10 alternative fuel projects have also been selected for awards of roughly \$19 million later this fiscal year, including projects involving internal combustion engines, microturbines, a hazardous waste incinerator, a fuel cell that runs on carbon particles (known as a "direct carbon fuel cell"), and a high-temperature solid oxide fuel cell, which can produce power from the hot gas produced by gasifying biomass and other fuels. Projects will also develop burners for

viscous fluids, such as glycerin, and thermal oxidizers that can convert a variety of fuels into a combustible gas.

Such alternative fuel systems can also function as CHP systems by producing both electrical power and industrial process heat. DOE has selected six CHP projects for \$9.1 million in funding over the next three years, subject to congressional approval, including four projects that will receive \$4 million in funds this year. Those four projects will examine an automated control system, waste heat recovery from reciprocating engines, a chiller that runs on waste heat, and a system that combines a microturbine and a chiller. Two more projects are slated to receive more than \$3 million later this fiscal year, and will develop a heat recovery system for fuel cells and a control system for combined cooling, heating, and power systems.

See the announcement at [http://www1.eere.energy.gov/industry/newsandevents/news\\_detail.html?news\\_id=12201](http://www1.eere.energy.gov/industry/newsandevents/news_detail.html?news_id=12201).

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### U.S. Wind Power Capacity Takes Top Spot due to Rapid Growth

The U.S. wind energy industry broke all previous records in 2008, installing 8,358 megawatts (MW) of new generating capacity and placing the United States above all other nations in terms of installed wind power capacity. U.S. wind capacity increased by 50%, bringing it to a total of 25,170 MW, according to the American Wind Energy Association (AWEA). That's enough to push the United States above Germany, the previous leader for installed wind power capacity. According to the Global Wind Energy Council (GWEC), Germany had 22,247 MW of wind capacity at the start of the year, but added only 1,665 MW in 2008, bringing it to 23,903 MW, more than 2,000 MW short of the new U.S. total. Overall, global wind power capacity increased by 28.8% in 2008, with more than 27,000 MW of new generating capacity, increasing the global wind power capacity to 120,791 MW, according to the GWEC.

Currently, only China appears able to challenge the U.S. lead, as the rapidly growing country added 6,300 MW of wind turbines in 2008 to more than double its installed wind power capacity for the fourth year in a row. China's total wind power capacity is only 12,210 MW-less than half of the U.S. wind capacity-but if the country continues to accelerate in its pursuit of wind power, it could quickly catch up to the U.S. total. See the press releases from GWEC ([http://www.gwec.net/index.php?id=30&tx\\_ttnews%5bttnews%5d=177](http://www.gwec.net/index.php?id=30&tx_ttnews%5bttnews%5d=177)), as well as the GWEC's country-by-country compilation of wind power capacity totals

([http://www.gwec.net/fileadmin/documents/PressReleases/PR\\_stats\\_annex\\_table\\_2nd\\_feb\\_final\\_final.pdf](http://www.gwec.net/fileadmin/documents/PressReleases/PR_stats_annex_table_2nd_feb_final_final.pdf)).

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### DOE and ASHRAE Establish Washington Fellowship

ASHRAE is sponsoring a 12 to 18 month fellowship program with placement at the Department of Energy in the Office of Building Technologies, Building Energy Codes Program. This fellowship will enable a selected ASHRAE member to assist DOE in one of the following code deployment activities:

1. Code Compliance
2. Residential Duct Test Training
3. Assessment of the Impact of Updating State Energy Codes
4. Advanced Energy Code Training

The Department will consider candidates for 12 to 18 months for work in these areas, commensurate with the experience of the applicant. A stipend of \$50,000/year will be provided. Applications are now being accepted for this open position.

Federal Government Fellowships provide a valuable public service to the nation while at the same time providing engineers and scientists with a unique opportunity to participate directly in the policy making process. This is an exciting, rewarding, and educational period in their professional careers. This enriching experience enables Fellows to bring back to their employers an insider's perspective on government decision making that can contribute significantly to the mission and vision of the organization.

ASHRAE members interested in applying for the Fellowship should contact Doug Read, ASHRAE Program Director of Government Affairs, (202) 833-1830, [dread@ashrae.org](mailto:dread@ashrae.org).

## East Texas Chapter Members Honored

Tyler Engineer Nominated as ASHRAE New Face of Engineering

ATLANTA

– James Schaefer Jr. is one of the 19 nominees received by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) for the New Faces of Engineering recognition program.

The program, part of National Engineers Week and co-sponsored by ASHRAE, promotes the accomplishments of young engineers by highlighting their engineering contributions and the resulting impact on public welfare. The program targets those age 30 and younger.

ASHRAE has submitted its top five nominees to the National Engineers Week Committee. The top nominee from each engineering society represented on the committee will appear in a full-page ad in USA Today during National Engineers Week, Feb. 15-21, 2009.

Schaefer is a senior lab engineer with Trane Residential Systems, Tyler, Texas.

He holds a Bachelor of Science and Master of Science in Mechanical Engineering from Texas A&M University, College Station, Texas.

As a research engineer, Schaefer was the co-inventor and developing engineer of an installation-assisting diagnostic tool that determines if the refrigerant charge in a residential HVAC unit is application-appropriate and is able to automatically complete the process of properly charging. The tool ensures unit performance and decreases service time for technicians. He also

contributed to the design of products that are industry-leading in efficiency ratings for their size (capacity) and class (cooling or heat pump units with air handler matches.) This experience inspired Schaefer in his most recent capacity as senior lab engineer, where he has had the opportunity to design the repair and rehabilitation for 30+ year old psychometric testing facilities, consult for labs around the world, and provide standards for instrumentation, setup, and calibration of various test facilities for Trane.

If you know of any member of our chapter that deserves a shout out for an accomplishment or honor, please let me (Clinton Odom), or any chapter officer know so we can include it in the next newsletter.

## Make plans now to attend the 2009 CRC CRC 2009 Lubbock, TX

CRC (Chapter Regional Conference) the annual meeting for all 15 chapters in ASHRAE Region VIII. The CRC is a golden opportunity for all the chapters to come together and learn about and from each others. The conference also gives everyone an opportunity to meet and fellowship together. CRC ends with the big event of the awarding of the Golden Gavel to the best chapter of the year. Each year a different chapter hosts the CRC and opens their doors to the Region.

Follow this link to the <http://www.crclubbock.com/> website and you'll find everything you need. One web page gets you to the registration page run through ASHRAE, automatic registration at the hotel, links to airline and car rental reservation pages.

CRC 2009 General Chair: Mike Powell  
Anthony Mechanical Inc.  
PO Box 3886; 525 E 40th Street  
Lubbock, TX 79452  
Phone (806) 747-4151  
Fax (806) 747-7733  
[mike@anthmech.com](mailto:mike@anthmech.com)

Co-Chair for 2009 CRC: Roger Roe  
CHE Inc.  
P.O. Box 6038; 2405 114th Street  
Lubbock, TX 79423  
Phone (806) 745-6692  
Fax (806) 745-3462  
[rogerr@cheincorp.com](mailto:rogerr@cheincorp.com)



## AS HRAE East Texas Chapter (091) 2008-2009 Program S schedule



Meeting	Date	Time	Presenter	Company	Location	Topic
<b>September</b>	18, Thu	11:15AM - 1:00PM	Roger Box, Maintenance Director	Caldwell Zoo	2203 W ML King Jr Blvd Tyler, TX 75702	<b>Animal Comfort Control &amp; Food Preservation Tour</b>
<b>October</b>	16, Thu	11:15AM - 1:00PM	Tim Cauley	Trane	Trane 6200 Troup Hwy Tyler, TX 75707	<b>Rapid Prototyping</b>
<b>November</b>	20, Thu	11:15AM - 1:00PM	Andy Heinze	Parker/Sporlan	Trane 6200 Troup Hwy Tyler, TX 75707	<b>Today's Supermarkets</b>
<b>January</b>	15, Thu	11:15AM - 1:00PM	Lance Kennemer	Brookshire's	Brookshire's Southwest Dairy 109 N. Clayton @ E. Erwin Tyler, TX 75704	<b>Milk Refrigeration Tour</b>
<b>February</b>	19, Thu	6:00PM - 8:30PM	E-Week Committee	TSPE	UT-Tyler	<b>Joint Engineering Society Banquet</b>
<b>March</b>	19, Thu	11:15AM - 1:00PM	William "Bill" Harrison	ASHRAE Society President 2008- 2009	Trane 6200 Troup Hwy Tyler, TX 75707	<b>Maintain to Sustain</b>
<b>April Satellite Broadcast</b>	22, Wed	11:30AM - 3:00PM	Panel	ASHRAE	Trane 6200 Troup Hwy Tyler, TX 75707	<b>Satellite Broadcast Topic: Clean, Lean, &amp; Green IAQ for Sustainable Buildings</b>
<b>CRC</b>	23 to 25- Apr-09	All day	Various	ASHRAE	Lubbock	<b>CRC</b>
<b>May</b>	21, Thu	11:15AM - 1:00PM	Josh Gentry, P.E.	Estes McClure Associates	Carrier Corp. 1700 E. Duncan St. Tyler, TX 75702	<b>ASHRAE Certification, LEED Certification &amp; Licensed Professional Engineer Exam</b>



**American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.  
East Texas Chapter #091, Region VIII  
PO Box 9464, Tyler, TX 75711-9464**

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\* = interim