



Austin and San Antonio Chapter of the Association of Energy Engineers



June 2006



Volume 1, Issue 5

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ENERGY INDEX

- 15th Symposium on Improving Building Systems in Hot and Humid Climates hosted by Texas A&M ESL and Florida Solar Energy Ctr Buena Vista Palace, Disney World Orlando, Florida July 24-26, 2006
www.hothumidsymposium.org
- Air Quality 2006: Energy Leadership & Emissions Reductions Conference hosted by Texas A&M ESL Hilton University of Houston Houston, Texas October 10 and 13, 2006
<http://airquality2006.tamu.edu>
- AEE Online Seminars Small-Scale Cogeneration First Session Starts July 10
www.aeecenter.org/realtime/cogen
- 2006 National Workshop on State Energy Building Codes Four Points by Sheraton Denver Southeast Denver, Colorado July 31-August 3, 2006
www.energycodes.gov/news/2006_workshop/registration.stm

A Note From The President



Greetings once again fellow AEE chapter members and supporters! I was told this morning that this was the first day of summer (6/21). Well you could have fooled me. It looks like we are in for another hot and dry summer.

I am glad we have the opportunity to get together once a month to have presentations and share ideas on how best to cope with the Texas weather while using our Texas energy in an efficient manner.

Last month's presentation was an example of just that. I want to thank Jim Shoop and Brian Keller for an outstanding presentation on the U.S. Building Council and the LEED Green Building Rating System. Jim and Brian are with Engineering Econom-

ics, Inc. here in San Antonio.

Please check our calendar in this newsletter and/or online. We have filled it with some great topics and field trips. Vince Fuentez of Daikin AC (Americas) will be our presenter next week.

Look for more information in the newsletter. If you have an idea for a presentation or field trip or have some information you would like to share please let me know.

As always I thank our AEE members and

supporters for all that you do to make a positive difference. Use our resources wisely and have a great summer! Where is that rain?

See you in San Marcos!

Sincerely,

Frank Thomas, CEM

Chapter President

frankthomas@nisd.net

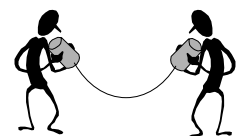


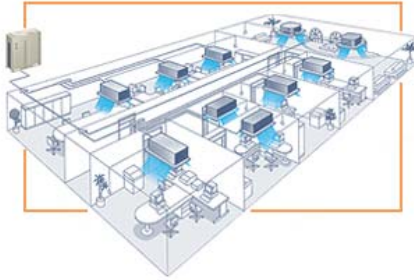
Interim Communications Officer

As announced in our last newsletter, our Communications Officer, Kimberly Blankenship had to step down. The call was put out for a volunteer to fill that position. We are fortunate to announce that Carol

Harwell has graciously volunteered to handle communication duties such as meeting notifications, distribution of newsletter, and maintaining mailing list. Carol has been one of the anchors of our chapter

serving in various capacities over the years. Thank you Carol for stepping up once again!





Variable Refrigerant Volume System

“The Variable Refrigerant Volume system saves money by reducing energy consumption and improving efficiency”

Vince Fuentes, BS, CEM

Daikin AC

Vince Fuentes is a sales engineer for Daikin AC™. He covers South/West Texas, New Mexico, and Native American projects.

Fuentes possesses a Bachelor of Science Degree in Industrial Engineering & Engineering Management from Stanford University.

June Speaker

He is a Certified Energy Manager® (AEE).

Mr. Fuentes has over eight years of experience in the energy sector working with Native American Tribes, public and private industry, and non-profit organizations.

He was formerly Energy Manager for Bexar County (San Antonio region).

His Energy Management Program saved Bexar County taxpayers \$450,000 through

energy consumption reduction.

Prior to Bexar County Fuentes was the Energy Manager for the Ysleta ISD, in El Paso, TX, where the Energy Program had saved the district \$1.5 million in cost avoidance in 15 months. Prior to that, Fuentes worked with Native American Tribes in the Southwest and California in energy project development.

vince.fuentes@daikinac.com

June Presentation

The topic is ductless heating and cooling technology using 410A refrigerant systems.

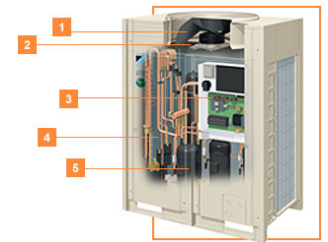
The Variable Refrigerant Volume system saves money by reducing energy consumption and improving efficiency. Inverter technology enables compressor speed to vary according to the cooling/heating load so the system consumes only the

power necessary to match that load.

When a room requires lower capacity for heating or cooling, the system automatically decreases the power supply frequency and uses less energy.

Applications for this technology are virtually limitless.

The systems are modular, have long life span, energy efficient, quiet, and easy to design.



Variable Refrigerant Volume System

Scholarship Committee Recommendations



The Austin-San Antonio chapter of the Association of Energy Engineers has submitted to national two candidates for AEE Scholarships. Many thanks to our committee chair Norman Muraya and Dan Kahn for making

the following recommendations:

Setra Yappi, Junior; UT Engineering. Studying petroleum engineering with emphasis on other forms of energy and energy conservation. He has maintained a

4.0 GPA in his studies.

Ghazal Dashti, Sophomore; UT Engineering. Doing lab work at UT in enhanced oil recovery. She would also like to take courses in energy management. She too has maintained a 4.0 GPA in her studies.

Presentations/Field Trips 2006

The following speakers, presentations, and field trips are scheduled for upcoming meetings:

June: Vince Fuentes—Ductless Variable Refrigerant Cooling

July: Cooling Efficiency by Reducing Latent Load @ Munters Corp—Lunch Provided

August: Electronic HID Ballasts @ WideLite Corp—Lunch Provided

September: Energy Interactive—Load Profiling

October: CPS Energy Coal Plant Tour

November: Infrared Imaging Solutions

December: End of Year Luncheon/Program

Do you have any ideas for future topics, speakers, or field trips? Please contact Bob Spiegial Rspiegel@ieee.org or Linda Rickard Linda.rickard@austinenergy.com

Want To Be Published?

It is hoped that future issues of this newsletter will feature articles authored by our own members. If you have done something innovative or want to provide some insight on technology, consider putting a pen to it and submitting for future publication. Space will vary from issue to issue so it would be nice to have a library of articles that we could share with our members!

Understanding Engineers...Take Three

A pastor, a doctor and an engineer were waiting one morning for a particularly slow group of golfers. The engineer fumed, "What's with these guys? We must have been waiting for 15 minutes!" The doctor chimed in, "I don't know, but I've never seen such ineptitude!" The pastor said, "Hey, here comes the greens keeper. Let's have a word with him."

"Hi George! Say, what's with that group ahead of us? They're rather slow aren't they?" The greens keeper replied, "Oh, yes, that's a group of blind firefighters. They lost their sight saving our clubhouse from a fire last year, so we always let them play for free anytime." The group was silent for a moment. The pastor said, "That's so sad. I think I will say a special prayer for them tonight." The doctor said, "Good idea. And I'm going to contact my ophthalmologist buddy and see if there's anything he can do for them." The engineer said, "Why can't these guys play at night?"



Newsletter Comments? Contact Bruce Dschuden at brucedschuden@nisd.net



2006 Officers

Frank Thomas	President	<i>frankthomas@nisd.net</i>
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Our Mission:

- ◆ Advance the professional careers and the common purposes of its members. Facilitate networking, social exchange and training.
- ◆ Present and discuss energy, environmental topics, and members' ideas. Stay abreast of fast changing developments. Anticipate their future.
- ◆ Disseminate information to the trade and to the general public via meetings, publications, trade shows and presentations.
- ◆ Build an exciting, expanding chapter
- ◆ Cooperate with other AEE chapters and related organizations.
- ◆ Promote energy efficiency.
- ◆ Promote renewable resources

June Chapter Meeting

June 27, 2006
"Ductless Variable Refrigerant Cooling"
Logan's Roadhouse – San Marcos, TX
11:00am Garage Room
512.805.8888





Austin/San Antonio Chapter of the Association of Energy Engineers

<http://www.txaee.org>

Local Chapter Dues for 2006: \$ 20.00

Date _____

Name: _____

Company: _____

Address: _____

City/State/Zip: _____

Business Phone: _____ FAX: _____

E-mail Address: _____

Suggested Speaker Topic or Tour: _____

Chapter meetings typically are held the 4th Tuesday of each month at 11:30 a.m. Location for the meetings is posted on the Austin/San Antonio AEE Web Site <http://www.txaee.org/calendar.htm>. Look forward to informative, professional, and educational presentations in the energy field, plus field trips to various locations in Austin and San Antonio.

For inquiries regarding this invoice please contact Isidro Rodriquez at 512-322-6333 or isidro.rodriquez@austinenergy.com

Remit to: Austin AEE, PMB 287, 815-A Brazos Street, Austin, TX 78701-2509

Amount Paid _____ **Method of Payment** _____

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