



# Austin and San Antonio Chapter of the Association of Energy Engineers



June 2007



Volume 2, Issue 5

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- LEED for Schools Technical Review  
Hosted by Central Texas - Balcones Chapter USGBC  
August 8, 2007  
8:30am - 5:00pm  
For Additional Information Contact:  
Joanna Beiter 202.828.1150  
[jbeiter@usgbc.org](mailto:jbeiter@usgbc.org)
- WEEC 2007 and Expo  
August 15-17, 2007  
Georgia World Congress Center  
Atlanta, Georgia  
For More Information:  
[www.energycongress.com](http://www.energycongress.com)

## A Note From The President

Greetings once again fellow AEE chapter members and supporters!

In preparing this month's note, I was looking through previous issues of this publication. It was just one year ago that we were looking at a hot, drought ridden situation...what a difference a year makes! Rain is something that you gladly take in South Texas whenever you can however, some of us could almost claim receiving more than enough of a good thing! This area was once known as the land of 10,000 springs...we just may see some of those come back to life this year.

I would like to thank Howard Rogers for his presentation on Energy Efficient Residential Design at our May meeting. Howard offered some good design principles; and techniques based on science and his own experience in constructing his home in Fredericksburg.

At our monthly Board Meeting plans for upcoming meetings and field trips were discussed. For our July meeting we will hear a presentation from the Brooks Energy Sustainability Lab (BESL) on a building commissioning study that was done at Northside Independent School District. This study holds value to all,



especially school districts looking to ensure the buildings constructed will perform as to design and the expectations of the customer. Our August meeting will feature a legislative update by SECO on new energy laws on the books and how they will affect us. We will also hold a open Board meeting to offer member input on issues that affect our chapter. A field trip to the York Manufacturing facility in San Antonio is in the final planning stages for September. Thanks to all Board members for your continued efforts to make our chapter flourish. If you have any ideas on future presentations or field trips, please contact Linda Rickard.

Congratulations go out to Felix Lopez on his selection as the Region IV AEE Energy Engineer of the Year! See page three for more details.

This month's presentation

will feature Scott Jarman of Austin Energy. Scott will discuss the Austin Climate Protection Plan. This plan is the most aggressive plan in the US and will likely serve as a model to cities nationwide on how to obtain carbon neutrality in energy production and use.

Thanks in advance to Chapter Vice President Mark Krawczyk for standing in for me at this month's meeting. Frank Thomas and myself will be doing a presentation at the APPA National Conference in San Antonio on the 26th.

In closing, I would like to once again thank each and every one of you for your continued support of our chapter. I invite you to be involved, get those friends and colleagues to join us at our meetings to explore and share new and innovative ideas in Energy Engineering!

Sincerely,

*Bruce*

Bruce Dschuden, CEM  
Chapter President

[brucedschuden@nisd.net](mailto:brucedschuden@nisd.net)

## June Presentation

### *Austin Climate Protection Plan*

In February 2007 the City of Austin adopted one of the most aggressive Climate Protection Plans in the US.

Among some of the initiatives are to make all COA facilities, fleets, and operations totally carbon-neutral by 2020; to make Austin Energy the leading utility in the nation for greenhouse gas reductions; to implement the most energy efficient building codes in the nation and aggressively pursue energy efficiency retrofits and upgrades to existing buildings; and to develop and implement a program to assist all citizens and businesses in achieving carbon neutrality.

## June Presenter

medium facilities.

*"In February 2007 the City of Austin adopted one of the most aggressive Climate Protection Plans in the US"*

### *Scott Jarman, PE, CEM*



.After earning his BS and MS in Mechanical Engineering from Texas A&M University, Scott did a two-year stint as a Teaching/Research Assistant at his alma mater. Serving as Staff Engineer/Audit

Team leader for Texas Energy Engineering Services, Scott conducted energy audits of several major state universities under the Texas LoanSTAR Program, including chillers, lighting, VFD's, Thermal Energy Storage and other technologies.

As Project Manager/Engineer for Energy Environment Interface, Inc., he managed a \$200,000 LoanSTAR contract for schools and local government facilities, resulting in more than \$2 million savings for local governments, universities, state agencies and the State Energy Conservation Office. He served as Austin coordinator for the Local Government Technical Assistance Program, providing preliminary energy surveys for schools and governmental entities. Scott also assisted in developing SimpCALC software, used to streamline and standardize energy analyses for small to

Following a move to the Pedernales Electric Cooperative, Scott accepted an Engineer position with the City of Austin in 1993. He conducted design reviews of new City-owned buildings and implemented energy conservation projects in existing facilities. Scott managed annual budgets of approximately \$4 million, and managed energy conservation measures resulting in more than 1 MW in peak demand savings. He was responsible for the entire bid process from preparing specifications and bid documents through project completion.

For the past nine years, Scott has been serving as Supervising Engineer in the Demand Side Management arena of Austin Energy's Distributed Energy Services Department. He supervises a staff of engineers and oversees the development, implementation and evaluation of existing and new DSM programs such as high bay fluorescent lighting, Thermal Energy Storage, Commercial Demand Response and the Building Tune Up programs. He ensures the City's compliance with Texas Senate Bill 5 requirements for electrical energy efficiency, and has been working with department heads throughout the City of Austin to identify and implement energy efficiency measures in municipal facilities. He is currently working with area school districts to install and monitor solar PV systems in school facilities.

## Presentations/Field Trips 2007

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

- June: Austin Clean Air Initiative/Energy Conservation
- July: New School Commissioning Study Report - BESL/Frank Thomas - NISD San Antonio
- August: Open Board Meeting / Texas Energy Legislation Update - Dub Taylor SECO
- September: York Manufacturing Plant Tour (Tentative) - San Antonio

Do you have any ideas for future topics, speakers, or field trips? Please contact Linda Rickard  
[Linda.Rickard@AustinEnergy.com](mailto:Linda.Rickard@AustinEnergy.com)

### Chapter Kudos

Congratulations are in order for Felix Lopez for being selected as the 2007 AEE Energy Engineer of the Year Award for Region IV! Felix will receive his award at the World Energy Engineering Congress in Atlanta Georgia on August 14, 2007. This year celebrates the 30th Anniversary of the Association of Energy Engineers...a great honor for Felix, SECO, and our chapter!

Additional kudos to Frank Thomas and Bruce Dschuden for receiving additional certification from the Association of

Energy Engineers as Certified Sustainable Development Professionals (CSDP). Both are currently Certified Energy Managers (CEM).

If you are not members of AEE national, please consider the advantages of membership...industry recognized certification programs, publications, training seminars, as well as recognition among your peers for high achievements. Check out:

[www.aeecenter.org](http://www.aeecenter.org)

## Understanding Engineers...Take Five

Three men: a project manager, a software engineer, and a hardware engineer are helping out on a project. About midweek they decide to walk up and down the beach during their lunch hour. Halfway up the beach, they stumbled upon a lamp. As they rub the lamp a genie appears and says "Normally I would grant you three wishes, but since there are three of you, I will grant you each one wish."

The hardware engineer went first. "I would like to spend the rest of my life living a huge house on St. Thomas with no money worries." The genie granted him his wish and sent him off to St. Thomas.

The software engineer went next. "I would like to spend the rest of my life living on a huge yacht cruising the Mediterranean with no money worries." The genie granted him his wish and sent him off to the Mediterranean.

Last, but not least, it was the project manager's turn. "And what would your wish be?" asked the genie.

"I want them back after lunch" replied the project manager.



### Newsletter Comments? Contact:

Bruce Dschuden at [brucedschuden@nisd.net](mailto:brucedschuden@nisd.net)

Frank Thomas at [frankthomas@nisd.net](mailto:frankthomas@nisd.net)



## 2007 Officers

|                |                          |  |
|----------------|--------------------------|--|
| Bruce Dschuden | President                | <a href="mailto:brucedschuden@nisd.net">brucedschuden@nisd.net</a>                         |
| Frank Thomas   | Past President           | <a href="mailto:frankthomas@nisd.net">frankthomas@nisd.net</a>                             |
| Mark Krawczyk  | Vice President           | <a href="mailto:Mark.Krawczyk@freescale.com">Mark.Krawczyk@freescale.com</a>               |
| Karma Nilsson  | Treasurer                | <a href="mailto:knilsson@cps-satx.com">knilsson@cps-satx.com</a>                           |
| Felix Lopez    | Membership (Austin)      | <a href="mailto:felix.lopez@cpa.state.tx.us">felix.lopez@cpa.state.tx.us</a>               |
| Brian Keller   | Membership (San Antonio) | <a href="mailto:Brian.Keller@eeiengineers.com">Brian.Keller@eeiengineers.com</a>           |
| Frank Richards | Communications           | <a href="mailto:Frank.Richards@austinenergy.com">Frank.Richards@austinenergy.com</a>       |
| Robert Spiegel | Webmaster                | <a href="mailto:Rspiegel@ieee.org">Rspiegel@ieee.org</a>                                   |
| Linda Rickard  | Programs                 | <a href="mailto:Linda.Rickard@AustinEnergy.com">Linda.Rickard@AustinEnergy.com</a>         |
| Sid Rodriquez  | Scholarships             | <a href="mailto:isidro.rodriquez2@austinenergy.com">isidro.rodriquez2@austinenergy.com</a> |

### 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

*We're On The Web!!*

[www.txaee.org](http://www.txaee.org)

### June Chapter Meeting

June 26, 2007

"Austin Clean Air Initiative"

Logans Roadhouse

San Marcos, TX

512.805.8889

(See WebSite for Map)



# MEMBERSHIP INVOICE



Austin/San Antonio Chapter of the Association of Energy Engineers

<http://www.txaee.org>

\_\_\_\_\_  
Date

**Local Chapter Dues for 2007**

**\$ 20.00**

Please fill out the following information.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Business Phone: \_\_\_\_\_

FAX: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Suggested Speaker Topic or Tour: \_\_\_\_\_

*Chapter meetings typically are held the 4<sup>th</sup> 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.*

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

*For inquiries regarding this invoice please contact:  
Felix Lopez (Austin) at 512-463-1080 or [felix.lopez@cpa.state.tx.us](mailto:felix.lopez@cpa.state.tx.us) or  
Brian Keller (San Antonio) at 210-496-3100 or [brian.keller@eeiengineers.com](mailto:brian.keller@eeiengineers.com)*

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