

# THIN-AIR BULLETIN

NEW MEXICO CHAPTER      REGION IX      ALBUQUERQUE, NEW MEXICO

## ASHRAE

AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS

March 2005

### Getting LEED Points w/ Indirect-Direct Evaporative Cooling (IEC/DEC)

Our speaker this month will be Bryan Im from Des Champs Technologies. Bryan Im is the western regional sales manager for Des Champs Technologies. He is a mechanical engineer graduate from Virginia Tech. Bryan has been the Western regional sales manager at Des Champs for nearly 5 years. He relocated to Las Vegas, NV in 2004. He has worked closely with IEC/DEC pioneer Mike Scofield, in the design and instrumentation of several high profile IEC/DEC units, including a 2004 ASHRAE Technology Award winner.

The main presentation will consist of three major points:

- 1) General overview of LEED; what it is.
  - a) USGBC
  - b) LEED Terminology
  - c) LEED projects, info, statistics
- 2) Earning LEED points through IEC/DEC, energy savings, building design
  - a) LEED checklist
  - b) In-depth overview of possible individual points earned through IEC/DEC
- 3) Concepts in IEC/DEC
  - a) Heat exchangers
  - b) Heat pipe designs
  - c) Plate designs

This will be a dinner meeting at The Petroleum Club. It will be held on March 15<sup>th</sup>. Please RSVP by March 11<sup>th</sup> to Jason Moorhead at 505-821-2563 or email [jason@mechrep.com](mailto:jason@mechrep.com). Email is preferred.

### **PRESIDENT'S MESSAGE**

Well it has been a quick start to the year and here we are into the month of March already; plus, with the bond elections passing my guess is that things will be getting crazy. With that being said I would like to encourage everyone to keep attending the monthly meetings and get as much out of ASHRAE as possible. This month appears to be a very pertinent topic especially since we live in an area where evaporative cooling is very effective. Also, coming up in May we have another joint meeting with New Mexico Facilities Managers Network.

Besides the meetings we do have a couple of other events coming up to round out our ASHRAE year. In April our chapter will be hosting a local site for the ASHRAE satellite broadcast on "Mold in the Building Environment". This will be held on April 13, 2005 from 11am to 2pm MDT. You will be receiving further information via e-mail as details become available. Also, this June will be our annual golf tournament and we look forward to see all of you out there. Further information will be coming out in our next newsletter.

I look forward to see you at our next meeting on the 15<sup>th</sup> of this month.

Take care,

David Graham

## From the History Books

March 1995

Chapter Officers were:



President:	Al Guerra
President-Elect:	Harold Trujillo
Secretary:	Steve Willard
Treasurer:	Don Schedlbauer

The speaker for the meeting was Ben Montoya, President/CEO of Public Service Company of New Mexico (PNM). He spoke on recent developments in the electric utility industry. Becky Kilbourne, Director-Marketing & Business Development of PNM was the speaker at the Santa Fe Luncheon meeting. As no surprise, the employer recognition for the month went to PNM.

## JUDGES NEEDED

Once again the NWNM Regional Science & Engineering Fair is upon us and we need a few ASHRAE members to help out. ASHRAE sponsors two special awards and we need some judges.



The special awards judging takes place on Friday, March 18, from 12pm until 3pm.

This is a great event, and it is very rewarding to see these kids in action. Please consider spending part of your Friday afternoon helping your local ASHRAE chapter. Please contact Charlie Scoggin at 242-5828 to participate.

## *Is That A Gas Pipeline In Your Yard?*

Most of the homes and businesses in New Mexico use natural gas for heating and other needs. Some of these gas systems utilize what is termed a master meter, a system where multiple customers use gas from a single gas meter. This is the case for many apartment complexes and large facilities. It may also be the case for two buildings on the same residential lot, or even a duplex.

These systems are considered gas pipelines under the Department of Transportation's Pipeline Safety Regulations. The owners of master meter systems are considered gas pipeline operators and purveyors of natural gas. It is as if they are a small private utility providing gas service to their tenants. Many of the owners of these gas systems are unaware of the safety requirements for gas pipelines. Often they hire contractors to work on the system who are also unaware of those requirements.

The requirements for installation and operation of master meter systems are very different than for gas systems that serve single customers. Master meter operators must register their systems and use qualified personnel to perform and document specific operating and maintenance procedures. These requirements are spelled out in the State's Pipeline Safety Regulations.

The Pipeline Safety Bureau will be conducting training sessions that cover these regulations and procedures. The training will be for the owners and operators of master meter systems and their contractors. The training will address the safety and the effective oversight of these widely used gas systems. **If you have questions regarding master meter gas systems or the upcoming training, please contact Jan Janecka (490-3230).**

## STUDENT ACTIVITIES

We are once again offering scholarship(s) to local engineering students at UNM. Below you can see details on this year's award. This was distributed to all of the students enrolled in Dr. Wildin's HVAC class at UNM.

We would like to invite any of the students enrolled in this class to come out to this month's dinner meeting. We welcome your interest and participation and will pay for your dinner.



### \$1,000 in Scholarships

(Total scholarship money distributed will be \$1,000. Number and value of scholarship to be determined by number and quality of submissions.)

#### Requirements:

1. Must be a student member of ASHRAE or submit application to become a student member. (Membership is paid for by local chapter.)
2. Must currently be a student for the Spring 2005 semester.
3. Submit typewritten essay 500 to 600 words on what attracted you into the engineering and or HVAC related field.

Include the following in your essay:

- Reference to employment and wages
- Any individual that has influenced you to the industry
- Any personal desires of achievement in the field
- Anything that would encourage you to focus your career in the HVAC industry

4. Include your name, address and phone number with submission.

Submissions will be received no later than April 4<sup>th</sup> at 3:00 PM by any of the following means:

- E-mail: [Scoggin@nationalheat.com](mailto:Scoggin@nationalheat.com)
- Fax: 243-7626 Attn: Charlie Scoggin
- Mail: Charlie Scoggin  
818 Iron S.E.  
Albuquerque, NM 87102

Notification of Award(s) will be April 11<sup>th</sup>.

Scholarships will be presented at the ASHRAE, New Mexico Chapter Meeting April 19<sup>th</sup> at the Albuquerque Petroleum Club starting at 5:30. Dinner and program is provided free to all student members.

- MARCH MEETING -

SPEAKER: **Bryan Im**

TOPIC: **Getting LEED Points w/ Indirect Direct Evaporative Cooling**

DATE: **Tuesday March 15th, 2005**

LOCATION: Petroleum Club  
500 Marquette NW

TIME: 5:30 social hour

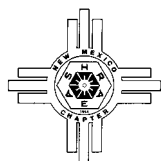
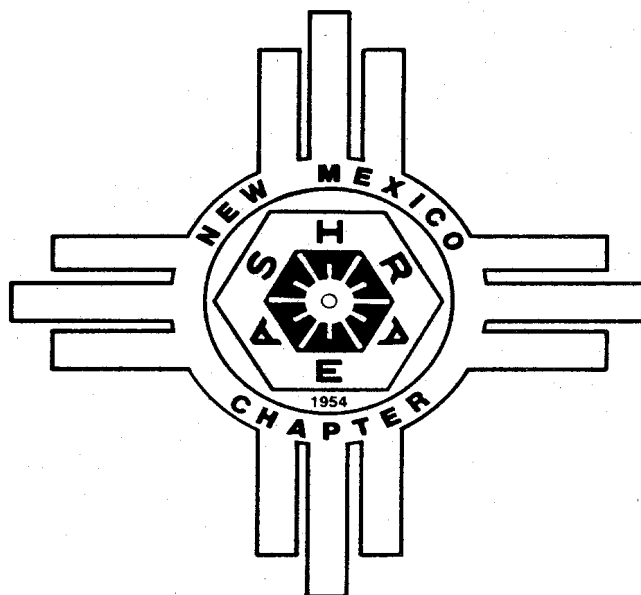
TECHNICAL SESSION: No tech session this month

6:30 Dinner and Main Program

MENU: Chicken Sorpresa

COST: \$ 22.00  
All Costs are inclusive of tax and tip

RSVP: Friday, March 11th, to Jason Moorhead at  
505-821-2563 or **Jason@mechrep.com**



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505-343-9981 fax

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**Our chapter's thanks and society's gratitude are extended to the following 2004-2005 contributors:**

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