



ASSOCIATION OF
ENERGY ENGINEERS

Bay Area Chapter

NEWSLETTER

May 2002

Meeting Information Tuesday, May 28, 2002

AEE Bay Area Chapter Presents

Is Measurement and Verification Wrong? Now What?

6:00 - 6:30 p.m.
Social

6:30 - 7:30 p.m.
Dinner

7:30 - 9:00 p.m.
Chapter Business and Presentation

Location:
Rustica Restaurant, Oakland

Cost: \$30.00/Members
\$35.00/Non-members
\$15.00/Student

Reservations: Call Rory Moran at (925) 437-2718,
FAX (877) 638-4942, chapter website www.aee.-sf.org,
or by e-mail rorym@axiomengineers.com. See insert for
more information.

President's Message

We have a winner

Did you know that the Bay Area Chapter membership includes the 2002 International Energy Manager of the Year? That's right, Matt Muniz, P.E. is this years recipient of this prestigious award presented by the AEE National organization. With help from Jim Waltz at Engineering Resource Associates, the chapter nominated Matt for his long term dedication and contributions to the energy engineering profession, particularly for his work with the Santa

Rita Jail Photovoltaic Project. The project was the largest rooftop solar photovoltaic system in the United States.

Matt is a graduate of Cal Poly's HVAC Engineering program and has worked for a Fortune 500 temperature controls manufacturer, consulting engineering firms (specializing in energy engineering), and is currently the principle energy engineer and Energy Program Manager for the County of Alameda in Oakland, one of California's largest counties. Matt has been the Energy Program Manager since its inception in 1990 and has overseen numerous major energy retrofit, power production, energy procurement and environmental projects.

The Santa Rita Jail PV project was completed last year and was a collaboration between CMS Viron, Powerlight and Alameda County. It was in integration of a chiller plant retrofit with electrical demand control, a "cool roof" roofing system, and a rooftop solar voltaic installation. The 640 kW system (soon to be expanded to 1.14 mW) covers nearly 2 acres of the roof at the county's jail facility. The project expects to displace over 1.8 million kilowat-hours per year from the grid and save the county approximately \$298,000 annually or about \$7 million over the life of the project. The environmental benefits are astounding, eliminating almost 9 million pounds of carbon dioxide and 2,900 pounds of nitrogen oxides over the life of the project.

Well done, Matt.

Also, a fond farewell to board member Ryan Wood and his new wife who recently moved to Denver. Good luck, Ryan.

Thanks for listening

John Clark
President, AEE Bay Area Chapter

2002 Board

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(510) 786-5730

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Interested in involvement?
Contact: John Clark
(510) 420-8987

**HAVE YOU RENEWED YOUR
MEMBERSHIP?**



Bay Area Chapter

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A special thanks to our Corporate Members. If you were a corporate member, you could have your card advertised (and on the web site too).



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AEE Bay Area Chapter serves as a unique forum for the discussion of energy issues and concerns. AEE Bay Area Chapter provides common professional meeting ground for facility managers, design and specifying engineers, utility and vendor representatives and energy researchers to participate in vigorous peer-to-peer dialogue, learning and group discussion.

AEE Bay Area Chapter strives to provide quality professional development opportunities that build knowledge and skills through meetings, seminars and publications. Emphasis is placed on:

- Assessing the applicability of emerging technologies, and
- Improving the performance and reliability of current technologies.

Meetings are held on the fourth Tuesday of the month. All interested persons are welcome to attend, participate and join the Chapter. If you are interested in joining the AEE Bay Area Chapter, contact Ryan Wood (800) 770-8539.

Announcement

**Building for the Future:
Green Materials Expo
June 15, 2002
10 am – 5 pm**

An event to inspire and inform you about how “green” building design & materials, renewable energy, and energy efficiency can lead us into a sustainable future for our society. See product exhibits, listen to lectures, and participate in hands-on demos. FREE to attend, with online pre-registration, \$10 at the door, and will be held at the:

Environmental Technology Center
Sonoma State University
Rohnert Park, California

Who should attend?

The Expo is anticipated to draw hundreds of green building experts, the general public and the mainstream building community under one roof - architects, engineers, residential and commercial builders, manufacturers, trade contractors, building owners and operators, government officials, academics, and others allied to the field.

Event Registration:

<http://www.sonoma.edu/ensp/etc/registration/default.html>

Contact:

armando.navarro@sonoma.edu

Schedule of Lectures and Demonstrations:

10 am “ Integrated Team Design Process”
“ Building with StrawBales”

11 am “ Turning Gray Concrete Green”
“ Managing a Green Construction Project”

12 noon Keynote Presentation “Maximum Kick with Minimum Impact”, David Arkin

1 pm “ Floor Coverings, Reducing Waste and Improving Indoor Air”
“ Certifying Green Buildings, LEED, How, What, Why”
“ Building with Cob”

2 pm “ Defining and Identifying Sustainable Lumber”
“ Local Government Green Building Initiatives”

3 pm “ Alternatives to Traditional Construction Materials”
“ Environmental Paints, Stains and Finishes”
“ Building with Earthen Plasters”

4 pm “ Reducing Wood Use, Increasing Energy Efficiency: Alternative Exterior Walls”

**Do you know someone who
might be interested in joining
AEE Bay Area Chapter?**

The benefits of joining include:

- Participating in exciting and informative programs
- Receiving a monthly newsletter containing information on meetings, events, and job openings
- Communicating with other energy professionals

For membership application:

**Contact Ryan Wood
(650)-596-1160**

Meetings are held on the fourth Tuesday of each month. All interested persons are welcome to attend, participate and join.



Bay Area Chapter

65 Battery Street, Suite 200
San Francisco, CA 94111

