



ASSOCIATION OF
ENERGY ENGINEERS

Bay Area Chapter

NEWSLETTER

February 1999

PRESIDENT'S MESSAGE

by this month's special guest past president

Dale Sartor

Dinner Meeting Information Tuesday, February 23rd

Program: The Distributed Utility: Opportunities in Distributed Generation and Storage in the Deregulated Energy Marketplace

Lloyd Cibulka, from Distributed Utility Associates (DUA), will present an overview of the Distributed Utility concept, a description of the technologies used for distributed generation and storage, and the particular applications that utilities and customers commonly find useful and cost-effective. Mr. Cibulka is a specialist in the technical evaluation of renewable energy technologies, as well as in the emerging distributed generation and storage technologies. Prior to DUA, Mr. Cibulka worked for PG&E in the R&D Department, where he managed various areas of research in energy delivery technologies. He earned his BSEE degree from Washington University (St. Louis, MO) and his MSEE (Power Option) from the Georgia Institute of Technology. He is member of the IEEE Power Engineering Society and a Registered Professional Engineer in California.

Time: 6:00 Social
6:30 Dinner
7:30 Chapter Biz & Program

Location: The Faculty Club, University of California, Berkeley (see map on enclosed FAX form)

Cost: \$25.00 Members
\$30.00 Non-Members
\$15.00 Students

Reservations:

Call Jose Mascorro at (510) 486-7946 or fax (415) 434-2321 (or (510)-486-4101) using the handy fax form to make reservations by noon Friday, February 19. Please tell us your meal choice as well.

It has been seven years since I was President and wrote the monthly messages, so I'm out of practice. I agonized for several days on what the message could be. Even with inspiration from "Something About Mary," I didn't think I could compete with the Sick Lizard's offensive prose. In desperation, or a stroke of genius, I turned to my 1992 messages. I am now going to revisit three hot topics raised in those newsletters:

- 1) Designing DSM programs (now Market Transformation) to encourage deep savings.
- 2) Using performance contracting to improving the quality of design, construction, and operation of energy projects.
- 3) Encouraging students to enter our profession.

In 1992 the PUC and the utilities were involved in their tri-annual rate case, which included the design of rebate programs. I pointed out that too many rebates were an expensive (to the rate payer) inducement to utility customers to make incredibly good investments. I argued that education, and financing may be far more cost effective especially for investments involving short "pay-backs." The existing rebates provided the same incentives for a project with a one year pay-back (100% ROI) as a project with a 10 year pay-back (10% ROI), and rewarded the Utility with a higher profit for the "cream skimming" projects. I suggested that rebates increase for deeper cuts in energy consumption.

Things have changed substantially. Last month we heard from Mark Chao on Market Transformation programs that now put greater value on programs such as education and financing, and we have seen the redesign of utility sponsored performance contracting to encourage other retrofits than T-8 conversions. But we have a long way to go. The example of deep savings I provided in 1992 is still valid today. Building owners can approach lighting energy savings from two directions: 1) higher fixture efficiency, and 2) better control. If we assume that each has the potential to save 40%, on their own, each is very cost effective. However to achieve maximum life-cycle cost effective savings, both should be deployed and the savings from the "second" measure is 40% less than the first or by itself. Higher incentives are needed to encourage the deeper savings retrofits.

Continued →

AEE National Awards

Introduction and Deadline

Below are the general evaluation criteria for AEE national awards submissions, which cannot be longer than 1 page and need to be email to me ASAP but no latter than Monday the 22nd. Email it to rswood@igc.apc.org. Although there are 10 categories and have reduced it to just the reasonable five that our membership would most likely be able to submit candidates for. Don't forget this is a great way to recognize your boss, co-worker, subordinate or customers.

General Evaluation Criteria

Each award addresses a unique area and submittals should describe the nominee's proficiency in that category. Description s of the nominee's work in the field should be documented by innovated project descriptions, substantiated savings, etc. Future plans and goals are not considered. For reach project, indicate type of project, equipment installed operating results, financial data or special features.

Energy Engineer of the Year

Presented for outstanding accomplishments in promoting the practices, principles and procedures of energy engineering, and for the superior service to the Association. The recipient must be a registered professional engineer.

Corporate Energy Management

Presented for outstanding accomplishments in developing, organizing, managing and implementing their corporate energy management program, and for superior service to the association.

Energy Management Executive of the Year

Presented for outstanding accomplishments in promoting the ideals of energy management and energy development. Recipient should be a chief operating officer or hold an executive position.

Energy Project of the Year - National

Recognizes an innovative energy management project, which has been in operation at least six months and can be substantiated with actual installation costs and operating savings.

Energy Manager Of The Year

Presented for outstanding accomplishments in promoting the practices, principals of energy management and development, and for superior service to the association. Unusually awarded to a Corporate Director of Energy or Energy Manager performing duties for an industrial firm or building owner/manager.

Ryan S. Wood | Director
Bayview Technology Group, Inc.
1091 Industrial Road, Suite 106, San Carlos, CA 94070
Phone: 650-596-1161, FAX:650-593-0156
Customer Service: 1-800-770-8539
<http://www.bayviewtech.com>

Announcements



Know an outstanding energy engineer?

Whether their outstanding in their field or just out standing in a field, you can nominate your favorite for an AEE award.

See inside for how to do it...

Bay Area AEE Web Site Is Up!

Beginning with this issue, you can get your newsletter online. Check it out at www.aee-sf.org. Let us know if you have ideas about what you would like to see there.

We are also still collecting input from members about how you prefer to receive your newsletter. So far most people prefer to get both a printed and an online copy so we will continue to make both available. Soon you will be able to select a "treeless" option if you want it. Stay tuned. If you have not yet made your voice heard on the issue, drop us a line at webmaster@aee-sf.org or send mail to the return address below.

- Jim Kelsey & Kevin Warren

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 Ken Moore
(415) 721-7152

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



Bay Area Chapter

KW Energy Engineering
175 Filbert Street, Suite 205
Oakland, CA 94607-2541