



ASSOCIATION OF
ENERGY ENGINEERS

Bay Area Chapter

NEWSLETTER

May 2003

Meeting Information Tuesday, May 27, 2003

AEE Bay Area Chapter Presents

“UC Merced’s New Campus Planning and Sustainability Goals”

6:00 – 7:00 p.m.

Social

7:00 – 7:45 p.m.

Dinner

7:45 – 9:00 p.m.

Chapter Business and Presentation

Location:

PG&E Pacific Energy Center
San Francisco

Cost:

\$30 Members
\$35 Non-Members
\$15 Students

Reservations:

Call Raj Daswani at (415) 957-9445 ext. 609

Fax (415) 957-9096

Chapter website www.aee-sf.org

or email Raj Daswani raj.daswani@arup.com

See insert for more information.

President’s Message

There is currently a lot of regulatory activity regarding the energy efficiency industry and for the most part good news. Following are a couple of highlights.

President’s Message Cont.

CPUC SELFGEN FEE DECISION – PART TWO...

REF: [HTTP://WWW.CLARUSENERGY.COM/NEWS/LEASES/2003-04-17.HTML](http://www.clarusenergy.com/news/leases/2003-04-17.html)

As mentioned in our previous newsletter, there was a pending decision regarding the Electric Standby Charge Exemption for qualified selfgen projects. The other shoe has now dropped and the remaining major uncertainty of the disputed CPUC charges has been made. Under the April 17, 2003 CPUC decision, the qualification date for the standby charge exemption for selfgen projects under 5 megawatts has been extended. The new dates are December 31, 2004 for Combined Heat and Power projects and December 31, 2005 for Ultra-clean projects. The sunset date for the exemption remains through June 1, 2011. The qualification period was due to expire on June 1, 2003. This, combined with the April 4, 2003 decision to reduce or eliminate the departing load charges for cogeneration projects, means that that customers can now move forward with more certainty for their plans to implement pending cogeneration projects.

CPUC APPROVED STATEWIDE AND LOCAL INCENTIVE PROGRAMS...

REF: APRIL 17, 2003 DOCKET #: R.01-08-028, MEDIA CONTACT: PUC PRESS OFFICE, 415.703.1366, NEWS@CPUC.CA.GOV

The California Public Utilities Commission (PUC) has approved \$200 million for the 2003 statewide and local program energy efficiency incentive programs. This includes Express Efficiency, Standard Performance Contract (SPC), as well as appliance recycling, single- and multi-family energy efficiency rebates, and education and training, for the states Investor Owned Utilities (IOU). The energy efficiency programs have been improved in some respects and the funds available, especially for the SPC program, have been increased. The new updated programs for Pacific Gas and Electric are up on their website.

<http://www.pge.com/>.

The Commission also approves \$3 million for statewide marketing and outreach to the non-English-speaking community and rural customers. In addition, the decision provides \$16.3 million to the City of San Francisco for an energy efficiency pilot program that will assess San Francisco's specific program needs in response to the prospect of the city facing an electricity shortage in 2004-2005 and a concern that statewide programs do not adequately address the city's unique needs.

2003 Board

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(510) 420-8987

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Donation Request

Our local chapter is in need of a portable projector screen (tripod stand, ~70in across) and an overhead projector. Prior to purchasing these we thought it prudent to first poll our membership to see if anyone had these items, in good shape but now taking up space... Note: Unfortunately, according to the home office, although AEE is a non-profit organization ("C6") it is not a charity organization, therefore the donation would not be tax deductible. Thanks for your support.

Secretary's Report

The April AEE meeting included a presentation of LEED by Johnson Controls. The speakers were Nicolina Guiliano and John Burgess.

LEED is the acronym for Leadership in Energy & Environmental Design. The concept fully embraces the Green Building concept and recognizes companies that are environmentally focused. LEED provides a recognition rating system relative to the level of Energy and Environmental focus at a specific facility. The categories are broken down into 5 parts.

1. Sustainable Sites- (22% of scoring system)
2. Materials & Resources- (20% of the scoring system)
3. Water Efficiency (8%)
4. Energy & Atmosphere (27%)
5. Indoor Environmental Quality (23%)

Credits are given in each of the 5 categories.

Currently, we see 50% of the LEED projects are Government sponsored or related facilities. However, organizations are becoming aware of the public response to environmentally conscious companies and the impact such a rating has to the public response to their business.

Johnson Controls has embraced the idea of LEED in their "Brenzel" Technology Center in Milwaukee, Wisconsin. The Brenzel Facility is a \$16M Controls Headquarters with over 130,000 square feet on 7 floors. The building was designed to compliment the original headquarters next door. Hence, the facility is an excellent example of urban redevelopment. The facility utilizes a minimized footprint by building on an existing site and provides an open courtyard "green" area in the city center.

Some of the key decisions in implementing a LEED project are:

1. Selling the CEO on energy savings
2. Tennant needs image to the public
3. Spec. buildings are typically not good candidates for LEED projects
4. Take advantage of retrofits of existing buildings in order to maximize LEED credits.
5. Over 50% of LEED credit ratings occur from the categories of Sustainable sites, Construction Materials, and Water Efficiency.

The bottom line is that rarely will you find a reasonable ROI at the highest recognition level; LEED "Platinum". LEED "Certified" is where the majority of opportunities exist. However, Silver and Gold levels show the social consciousness of the organization.

Johnson Controls has embraced the idea and is available to assist organizations to obtain benchmarks and directions. JCI has over 200 people committed and available to assist in the GREEN Building and LEED concepts.

Patrick Cave
AEE Bav Area Chapter Co-Secretary

President's Message Cont.

WHAT'S UP NEXT FOR (RE) REGULATION...

Ref: Re-regulation/Direct Access Bills,

May 5, 2003, Steve Geissinger, Oakland Tribune

There are two competing bills in Sacramento regarding what is next for the structure of the California energy market. One of the measures attempts to re-regulate the industry and is primarily supported by consumers and the other attempts to retain some retail competition aspects of the deregulated market and is more supported by industry.

In parallel, the Federal Energy Regulatory Commission (FERC) is proceeding with a plan that calls for the continuation of competitive markets and creates regional markets that allow companies and three state agencies, including the Public Utilities Commission to buy and sell wholesale electricity.

Thank you for your time.

Rory Moran



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 typically 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 Stan Boghosian at (925) 933-8400, ext 212.

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 Stan Boghosian
(925) 933-8400 ext 212**

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



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