



ASSOCIATION OF
ENERGY ENGINEERS

Bay Area Chapter

NEWSLETTER

July 2000

Meeting Information Tuesday, July 25th

Tour of EBMUD Wastewater Treatment Plant

5:30 Tour:

EBMUD Wastewater Treatment Plant,
2020 Wake Avenue, Oakland, CA
(510) 287-1458

Directions:

See "Driving Instructions" on Page 3

Dinner:

Italian Colors Restaurant (following tour)

Location:

Jack London Square, Oakland
(Broadway at Embarcadero) Dinner
Menu TBA

Cost:

\$30.00 for Members
\$35.00 for Non-members
\$20.00 for Students

Reservations Required:

Call John Clark at (510) 420-8987 or
FAX (510) 420-1404 by July 21st

See inside for more info...

President's Message

Do people care about energy-efficiency? People Do. In a press release June 1 2000, Chevron Corp. and PG&E Corporation announced that Chevron is purchasing a portion of PG&E Corp.'s retail energy services business, PG&E Energy Services. Chevron is purchasing PG&E Energy Services' retail value-added business. This includes energy management, energy efficiency, billing and information services, and other products and services, for major commercial, industrial and institutional customers, as well as related infrastructure assets.

According to the press release: "This purchase will help position Chevron to provide total energy solutions for its commercial and industrial customers," said Patricia Woertz, president of Chevron Products Company. "The energy services business is vibrant and growing, and this acquisition will accelerate our entry into the value-added services segment of the energy market."

A few months ago, PG&E Energy Services sold its retail commodity sales business to Enron Corporation. These announcements followed a recent decision by PG&E Corporation to exit its retail energy services business, which will allow the company to give added focus to the wholesale generating, energy commodities trading and natural gas transmission activities of the PG&E National Energy Group.

What is the significance of this new development to the energy-efficiency industry, if any? Well, for one, we have a new big (very big) player in the business, potentially with new goals and strategies. And, apparently Chevron intends to retain the current staff of PG&E Energy Services value-added group, and the jobs will remain in San Francisco (according to one former PG&E Energy Services employee). So, we won't be seeing 200 laid off energy professionals flooding our local job market. I also think it is interesting that a business model that combined commodity sales with efficiency services did not pan out for PG&E, and that the two business areas had to be sold separately. Enron seems to be the only company that has figured out how to finesse that. I am wondering, too, how Chevron, with its lack of corporate experience in this business area, will actually succeed in a market that we all know from experience is quite competitive and tough to crack. And, in what novel ways will Chevron jointly market efficiency and oil? Perhaps we will soon be able to buy compact fluorescent lamps at the Chevron Food Marts.

by Leslie Kramer

2000 Board

President – Leslie Kramer
(415) 434-0900 x146

Senior Vice President – Jim Kelsey
(510) 834-6420

Co-Vice President – John Clark
(510) 420-8987

Co-Secretary – Stan Boghosian
(510) 845-7468

Co-Secretary – Bruce Chamberlain
(415) 554-3177

Treasurer – Steve Greenberg
(510) 486-6971

Membership – Ryan Wood
(800) 770-8539

Newsletter – Ed Spivey
(925) 944-8929

Website – Jim Kelsey
(510) 834-6420

Website – Kevin Warren
(510) 834-6420

Database Manager – Open

Com. Involvement – Open

Scholarships and Awards –
Rory Moran
(415) 733-4633

Member At Large -
Open

Interested in involvement?

Contact: Leslie Kramer
(415) 434-0900 x146

AEE Advertisement Cost

Charges for advertising in the Newsletter and Web Site are as follows:

<u>Advertisement Size</u>	<u>(1) one month</u>	<u>(3) three months</u>
Quarter Page	\$50	\$40/month
Eighth Page	\$30	\$20/month
Business Card	Not Available	\$15/month

- Advertisement in both documents will be at an additional charge of 50% to the above.
- Corporate members are permitted to advertise their business card at no charge, otherwise Corporate members will be charged at half of the above cost.

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).

 <p>NORESOCO Your energy solutions partner.</p> <p>NORESOCO 100 Produce Avenue, Suite L So. San Francisco, CA 94080</p> <p>888-667-3726 www.noresco.com</p>	 <p>Newcomb Anderson Associates 755 Sansome St., Suite 500 San Francisco, CA 94111</p> <p>www.newcombanderson.com</p>
 <p>SCHILLER ASSOCIATES</p> <p>www.schiller.com E-mail: steves@schiller.com Phone: 510-444-6500 Fax: 510-444-6502</p>	<p>Energy ETC. Inc. <i>Smart Systems... Smart Future</i></p> <p>Engineering, Training,</p> <p>22779 Rancho Palomares Pl. Castro Valley, CA 94552-5408 Ph: 510-581-4899 Fax: 510-583-0926</p>

Have You Renewed Your Membership Yet?

Corporate members receive recognition in the newsletter and the chapter website www.aee-sf.org.



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 which 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.

AEE Bay Area Chapter Presents

*Tour of EBMUD
Wastewater Treatment Plant*
Tuesday July 25th



Background: EBMUD provides secondary treatment for a maximum flow of 168 million gallons per day (MGD). Primary treatment can be provided for up to 320 MGD. Storage basins provide plant capacity for a short-term hydraulic peak of 415 MGD. The average annual flow is currently 80 MGD. EBMUD treats domestic, commercial and industrial wastewater for the cities of Alameda, Albany, Berkeley, Emeryville, Oakland and Piedmont, and for the Stege Sanitary District, which serves El Cerrito, Kensington and part of Richmond. Each of these communities operates sewer collection systems that discharge into one of five EBMUD intercepting sewers. The 29 miles of interceptors collect wastewater from approximately 1,400 miles of sewers. EBMUD has a 4.2 megawatt power generation plant that recovers about 85 percent of the available energy from methane gas and also generates half of the electrical power needed to operate the wastewater treatment plant.

Tour: Meet at **5:30** at EBMUD Wastewater Treatment Plant, 2020 Wake Ave., Oakland (510) 287-1458

Dinner: Italian Colors Restaurant (following Tour)
Jack London Square in Oakland
(Broadway at Embarcadero)
Oakland, CA
Dinner Menu To Be Announced



Cost: \$30 Members
\$35 Non-Members
\$20 Students

Reservations: Call John Clark at (510) 420-8987 or FAX (510) 420-1404 using the handy FAX form. Make your reservations by noon Monday, June 19th. You can also respond by e-mail to webmaster@aee-sf.org or at the chapter website www.aee-sf.org.

Driving

Instructions: You can get instructions (and maps) to best suite your needs by going to website <http://maps.yahoo.com/> and clicking on "Driving Directions".

Upcoming Meeting Announcements:

There will be no meeting in August. See you in September!

Career Opportunities

ENERGY PROFESSIONALS - Energy Professionals with 5-30 years experience in energy-efficient design or analysis for award-winning firm specializing in green buildings and cutting-edge projects. Candidates will have a solid background in HVAC and an understanding of simulations using major energy software such as DOE or TRACE. Alternately, candidates will be very experienced in energy analysis and have a basic familiarity with HVAC. Duties may include energy audits, simulations, writing reports, quality control, management, and business development. Responsibilities within the firm commensurate with experience from project manager to principal track. Excellent opportunity for growth. Relocation package. Address inquiries to Jacqui Ham at: Steven Winter Associates, Inc. 50 Washington St. Norwalk, CT 06854
Fax: 203-852-0741 E-mail: swinter@swinter.com Web: www.swinter.com

JIM: ELECTRO-TEST INC. is seeking a part time Energy Service Technician to assist in the assessment of energy conservation measures performance.

JOB SUMMARY:

Install and remove instruments at various job sites in California to record the performance of energy consuming systems. Download, process and analyze data from energy recording instruments. Prepare reports on energy systems performance.

JOB REQUIREMENTS:

- Must be proficient with MS Word 97 and MS Excel 97
- Must be willing, through training and practice, to become proficient in the use of specialized software systems for performing energy analyses.
- Required work in an field environment physically handling ladders and moderately heavy equipment
- Travel to job sites throughout California may be required

Must be willing to work flexible hours and occasional weekends.

This would be a great opportunity for a young person, perhaps now in college, to gain some experience in the energy services industry. Refer to JIM: ELECTRO-TEST WEBSITE www.electro-test.com for additional information.

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
(800) 770-8539**

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



Bay Area Chapter

1415 Oakland Boulevard, Suite 200
Walnut Creek, CA 94596