



ASSOCIATION OF
ENERGY ENGINEERS

Bay Area Chapter

NEWSLETTER

May 2000

Meeting Information Thursday, June 1st

For the past thirty five years, the HVAC industry has all but standardized on several control and design concepts that have never operated as intended. Most primary-secondary variable flow chilled water plants operate inefficiently with low delta T's and high pumping costs. Variable flow terminal control valves are selected for close-off ratings with no consideration given to the dynamic body ratings. Fan tracking systems do not control building pressures and the utilization of enthalpy sensors can result in seriously high operating costs.

5:30pm

Social

6:30pm

Dinner, World Trade Club

7:00pm

Presentation

Location:

World Trade Center, San Francisco

Cost: \$35.00 for Members
\$37.00 for Non-members

Reservations Required:

Call John Clark at (510) 420-8987
or FAX (510) 420-1404
by May 26th.

See inside for more info...

President's Message

Has anyone else noticed how many job openings are popping up these days? It seems like I get one or two listings from Walt Leaman every week, not to mention jobs I am hearing about through other networks (like the UC Berkeley Energy and Resources Group) and through probing calls from executive search firms. And we (BVA) are trying to hire some people, too. The job ads run the gamut from public sector (the California Energy Commission), to utilities (PG&E), to consulting firms, ESCOs, and equipment vendors. What's going on? Is the energy efficiency industry growing, or are people just shuffling around and creating job openings as they job hop? Or is it a combination of both?

Whatever the drivers may be, the level of activity gives us all an opportunity to learn what kinds of skills and experience are in demand in the market, to see if our salaries are competitive, and to consider what else we might be doing (even if we decide we're happiest where we are).

I have noticed that the greatest demand still seems to be for the classically-trained energy engineer who can scope energy efficiency opportunities in buildings (particularly HVAC related) and who can manage design and construction management of these projects. Throw into that an ability to market services to clients, some knowledge of power generation, and a willingness to be on the road a lot, and you can write your own ticket.

But what about entirely new kinds of jobs? At last month's meeting we heard from four Bay Area companies who are developing internet-related energy services ("web based" and "real time" energy information, for example), and as these companies grow, so will new types of job opportunities for energy professionals.

So, I'll end this with a pitch for the Association of Energy Engineers: Now more than ever is the time to keep up with your networking and stay plugged in. You can learn a lot talking to your peers over dinner!

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>NORESKO Your energy solutions partner.</p> <p>NORESKO 100 Produce Avenue, Suite L So. San Francisco, CA 94080</p> <p>888-667-3726 www.noresko.com</p>	 <p>Newcomb Anderson Associates 755 Sansome St., Suite 500 San Francisco, CA 94111</p> <p>www.newcombanderson.com</p>
--	---

Corporate members receive recognition in the newsletter and

Have You Renewed Your Membership Yet?

the chapter website www.aee-sf.org.

NORESKO is a national leader in designing and providing energy services programs. Currently, we are looking for bright, motivated



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.

Career Opportunities

Project Managers in our South San Francisco Office.

NORESKO is a national leader in designing and providing energy services programs. Currently, we are looking for bright, motivated *Project Managers* in our South San Francisco Office.

Project Managers: Project Managers sought to coordinate bids, create budgets, track job costs and manage subcontractors and vendors in the construction of mechanical and electrical efficiency projects. Prior general construction experience and the ability to travel are required. The ideal candidate must be able to work with hand tools and ladders. Troubleshooting and field command skills a plus. Construction estimating, subcontractor evaluation, invoicing and verification of billing accuracy skills are required.

Desired Requirements: Prefer BA or BS degree. State of CA C10 or B Contractors License a plus.

Minimum Requirements: Minimum 3 years exp. in management and installation of lighting and mechanical retrofit projects. Strong verbal, written, communication and time management skills and the ability to work independently are required. Required computer skills include: Excel, MSWord, and the Windows Environment.

NORESKO offers competitive salaries, a full array of benefits and an exciting work environment for the right candidate. Please forward resume with a cover letter to *NORESKO*, Attn.: Tom Harley, 100 Produce Ave., Suite L, South San Francisco, CA 94080, Fax: (650)589.3750, tharley@noresko.com.

NORESKO is a national leader in designing and providing energy services programs. We credit our talented, committed and creative people with our success. There are currently opportunities for bright, motivated team members in our South San Francisco Office for a *Measurement & Verification Specialist*.

Measurement & Verification Specialist: Duties will include monitor and verify energy savings of long term performance contracts in both utility and non-utility sponsored programs. Perform measurement and verification data collection, troubleshooting, and integrity checks. Install and maintain measurement and verification systems for Utility and Performance Contract Programs. Receive, diagnose and solve trouble calls for Energy Management Systems. Develop measurement and verification strategies for lighting and HVAC energy conservation measures.

The Successful applicant will have the following skills and interests: 1-3 years work experience, a general background or interest in energy efficiency, strong computer knowledge, exceptional attention to detail and Customer Assistance skills, experience helpful in engineering, construction, and field work.

NORESKO offers competitive salaries, a full array of benefits and an exciting work environment for the right candidate. Please forward resume with a cover letter to *NORESKO*, Attn.: Human Resources, 100 Produce Ave., Suite L, South San Francisco, CA 94080, Fax: (650) 589.3750, msaunders@noresko.com.

Brown, Vence & Associates, Inc.

Senior Energy Engineer/Project Manager. Brown, Vence & Associates, Inc. (BVA) is one of California's leading energy engineering firms with main offices in San Francisco and Roseville, California. Since 1979, we have been providing energy services including energy audits, management of energy retrofit projects, energy-efficient design reviews, energy management planning, independent engineering reviews of energy projects, renewable energy project development, and technology training.

We are currently seeking to hire a senior energy engineer for our San Francisco office to manage and assist with conducting site visits of commercial buildings and identifying and evaluating energy conservation and distributed generation opportunities. The person in this position will also manage project design and oversee construction of retrofit projects. The successful candidate will possess a B.S. degree in engineering or equivalent and a minimum of 7 years of experience working on improving the efficiency of lighting and HVAC systems in commercial facilities. P.E. desired. Proficiency in MS Excel and excellent oral and written communication skills are required. Experience with building simulation programs helpful. We offer a competitive salary with excellent benefits. Fax resume and cover letter to BVA, (415) 956-6220.

Energy Engineer. Brown, Vence & Associates, Inc. (BVA) is one of California's leading energy engineering firms with main offices in San Francisco and Roseville, California. Since 1979, we have been providing energy services including energy audits, management of energy retrofit projects, energy-efficient design reviews, energy management planning, independent engineering reviews of energy projects, renewable energy project development, and technology training.

We are currently seeking to hire an energy engineer for our San Francisco office to assist with conducting site visits of commercial buildings and identifying and evaluating energy conservation and distributed generation opportunities. The successful candidate will possess a BS degree in engineering or equivalent and a minimum of 3 years of experience performing energy audits of lighting and HVAC systems in commercial facilities. Proficiency in MS Excel and excellent oral and written communication skills are required. Experience with building simulation programs helpful. We offer a competitive salary with excellent benefits. Fax resume and cover letter to BVA, (415) 956-6220.

Editor's Corner

Did you know that Uniform Building Codes Classes are offered at the Diablo Valley Community College (DVC) in Contra Costa County near Concord. There are numerous reasons to take such a class including the fact that they are incredibly cheap (\$25). I am currently taking the Mechanical Codes Class because a few of the States in which I maintain registration require continuing education credits and college classes will satisfy a couple of years worth of these requirements. Also, as energy professionals, we need to know "The Code" as well as those in the design community, as many of us recommend major modification to mechanical and electrical systems. I have seen my share of "boy I didn't realize that was going to be required when I made that recommendation." These range from air side modifications requiring a complete replacement of a school's fire alarm system or the installation of an additional "fire alarm supervised panel" when changing a chiller to meet the current Mechanical Room Refrigeration Room requirements. Do you know what the requirements are when installing gas domestic water heaters to allow a huge central boiler plant to be shut down in the summer, especially when no gas exist in the building. The requirements are usually a whole lot worse than thinking all you have to do is run a gas line over to the mechanical room containing the steam to domestic hot water heat exchanger. Jim Kirkman teaches most of these classes. Jim is the Chief of Inspections at the City of South San Francisco's Building Department. Honestly, I thought I knew the code, hands down, now I know I didn't and I do now. In addition, its fun to discuss problems that are hypothetical or somebody else's with a really good building inspector instead of dealing with one in the field with a lot more at stake. It certainly gives one a different perspective on approaching and resolving job site problems. If you can take Jim's classes, I highly recommend them.

Ed Spivey

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