



ASSOCIATION OF  
ENERGY ENGINEERS

Bay Area Chapter

# NEWSLETTER

December 2002

**Meeting Information**  
**No meeting this month**

**Announcement**

**President's Message**

Another year has come and gone. Energy issues have shifted from the spotlight while the legal battles emanating from the fallout of 2001 continue to be tested by our legal system. Once again our attention is aimed at the Middle East, specifically Iraq. Should this region, rich in oil, be allowed to bully the surrounding area? Is war the ultimate solution? These topics can't be answered in this newsletter, but I'm sure they will continue to make headlines in 2003.

The Bay Area Chapter had another great year. There were many informative meetings and discussions as to local and even national issues related to the energy scene. I'd like to thank the chapter members and the Board of Directors for contributing to another successful year. I would encourage each and every one of you to get involved with the chapter in any way you can, even if it means coming to a monthly meeting. It's been a pleasure serving as your president and I look forward to seeing you in the years to come.

Thanks for listening



John Clark  
President, AEE Bay Area Chapter

The City of Oakland has launched "The Oakland Energy Partnership". The Partnership's Energy Efficient Design Assistance (EEDA) program uses energy experts to provide free customized energy efficiency design assistance to property owners, developers, and designers involved with new construction, renovation or retrofit of existing buildings.

The Partnership also includes *The Large Commercial Building Tune Up Program* that targets medium and large-sized multi-tenant commercial buildings, medical facilities, hotels, and educational buildings in Oakland. This program offers, at no cost to the participant, engineering services to evaluate the performance of the building's existing systems, recommendations for measures that improve performance, and rebates to the participant to implement those measures.

These free services are available through December 2003. To learn more about the EEDA Program, please call Energy Solutions at (510) 482-4420 ext. 220. For assistance or questions regarding the Large Commercial Building Tune Up Program, please contact Quantum Consulting at 510-981-2010.

*AEE Wishes you a  
Joyous Holiday Season  
and a  
New Year  
filled with  
Peace and Happiness*

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Contact: John Clark  
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## 2002 Chapter Awardees

**Municipal Energy Manager of the Year**  
Neal De Snoo, City of Berkeley, Energy Office

**New Technology Developer**  
Michael Siminovitch, LBNL, Env. Energy Technologies Division, Lighting Research

**Energy Technology Promoter**  
Mary Ann Piette, LBNL, Env. Energy Technologies Division, Commercial Building Systems

**Program Design Innovator**  
Sam Cohen, Energy Solutions

**Energy Engineer of the Year**  
Jim Kelsey, P.E., KW Engineering



**Not pictured:**  
**Energy Industry Facilitator**  
Ryan Stroupe,  
PG&E Energy Center

**Energy Industry Promoter**  
Walt Leaman,  
Bay Area Energy Alliance

## Announcement



### **CPUC selects SBW Consulting, Inc. to offer compressed air incentive program**

The California Public Utilities Commission (CPUC) has announced the selection of SBW Consulting, Inc. (SBW) to offer an exceptional industrial energy efficiency program designed to reduce the cost of operating compressed air systems.

The Compressed Air Management Program (CAMP), developed by SBW ((425) 827-0330) and funded through the CPUC, is offering no-cost compressed air system assessments and up to \$0.04/kWh incentive for the first year's electrical savings.

The CAMP incentives are available for qualifying compressed air system improvements, and for 3-year maintenance programs, to qualified customers in the PG&E service territory. The incentive payments are made in two parts; the initial \$0.02/kWh for the cost of system improvement and the second \$0.02/kWh for the three-year maintenance program. The incentive payment for a maintenance program is an innovative and valuable feature of CAMP.

The no-cost assessment of the customer's system by SBW's engineers includes inspection, power and pressure data collection, computer modeling of the system and analysis of the data, recommendations for improvements, technical support while the improvements are being made, and measurement of the savings to determine the incentive amount.

This means a qualifying project for an approved customer that saved 500,000 kWh the first year could receive an incentive payment of up to \$10,000 toward 60% of the improvement cost, and an additional \$10,000 toward the entire cost of a qualifying 3-year maintenance program. This is in addition to the on-going cost savings of \$50,000/year that this customer would get from reduced electricity cost, assuming a cost of \$0.10/kWh.

## Check Out Bay Area AEE Forum!

We've had a great venue on our chapter web site - the Bay Area AEE Forum. The forum is a spot online where you can post information, ask questions, look for open jobs, and generally stay in touch with people in the energy scene in the Bay Area and beyond. We hope that this forum can be a real resource for energy engineers and anyone with an interest in energy efficiency. Just go to [www.aee-sf.org](http://www.aee-sf.org) and click on "forum."

Don't be shy - sign up and take part. You can participate at whatever level of privacy you like. You can remain anonymous, known only by your username, or you can post your email address and website address to all (your marketing dept might like that). There is even a messaging facility that will allow you to privately send and receive messages to other forum members.

We need your help to make this successful. A web forum is just as good as it's postings so we need your help to make this an interesting endeavor. Please contribute what you can. Add discussion topics, links to things you've found useful, and of course questions that you have for our online community. We even have a forum for shameless self promotion so tell us all how great you and your company are! So far we have posts in 28 members with posts in 44 topics ranging from useful web links to discussions of last year's energy crisis in California. If each of our members just contributed one posting, we would have all the momentum we need to make the forum a useful destination on the web.

Posting messages online is easy and can even lead to business for you or your firm. Do you know what kinds of businesses are making the most of an online presence these days? It's not the dot-com companies, many of which have gone bust in the last year. It's businesses in traditional markets that are using the web for marketing or sales of their core products and services. I had doubts myself as to the real value of an online presence until we won one of our biggest contracts ever through a lead that came from someone who came across our web site.

I hope to see you online. We can make the Bay Area AEE forum the premiere venue for online discussion of energy issues, both in California and beyond!



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 Leslie Kramer, 415-434-0900 ext 146.

**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 Leslie Kramer**  
**(415) 434-0900 ext. 146**

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



65 Battery Street, Suite 200  
San Francisco, CA 94111

## Secretary's Report

### November 26th Meeting Report

Our annual awards meeting took place on November 26th at the Pyramid Brewery and Alehouse in Berkeley. The meeting began with a tour of the brewery portion of the facility, and ended with a dinner and presentation of the 2002 AEE awards. The following is a list of the awardees and a brief description of their work.

#### **Energy Engineer of the Year - Jim Kelsey, P.E., KW Engineering**

Jim Kelsey is one of the principals and founders of kW Engineering, an engineering consulting firm in Oakland specializing in energy efficiency in commercial and industrial buildings. He is the technical lead for the City of Oakland's Energy Efficiency Design Assistance program. Jim has developed methods for estimating the energy use of grocery store refrigeration systems and has recently managed an effort to provide audits, analysis, and commissioning for 32 Albertson's stores in Oregon and Utah. His award recognizes his service to the chapter over the last five years as Chapter Newsletter Coordinator, Vice President, President, and for developing and maintaining the chapter website [www.aee-sf.org](http://www.aee-sf.org).

#### **Municipal Energy Manager of the Year - Neal De Snoo, City of Berkeley**

Neal has been the Energy Officer with the City of Berkeley since 1994, where he is responsible for managing staff, projects and programs. Programs and projects include developing and implementing a community energy plan, energy efficiency services for residential, municipal, commercial and industrial facilities, municipal renewable energy projects and other projects related to climate change and resource conservation.

#### **Energy Industry Facilitator - Ryan Stroupe, PG&E Energy Center (PEC)**

As the Pacific Energy Center's Whole Building Performance Program Coordinator, Ryan is responsible for the measurement tools that the PEC provides to California energy customers. This includes overseeing the Center's Tool lending Library, a collection of over 4,000 tools available for monitoring building performance. He's also developed the Universal Translator software tool, which manages and analyzes logged data sets. Finally he manages and participates in teaching the measurement curriculum at the PEC.

#### **New Technology Developer - Michael Siminovitch, Lawrence Berkeley National Laboratory (LBNL).**

Michael is a Staff Scientist at LBNL. His work entails research and development in new residential and commercial lighting technologies. He works with

manufacturers, utilities and state agencies to test and demonstrate next generation lighting systems. Some of his recent projects involve high performance torchieres and table lamps, the high efficiency sulfur lamp, and fiber optic illuminators. A summary of his projects can be seen at <http://eetd.lbl.gov/btp/lsr/projects.html>.

### **Energy Industry Promoter - Walt Leaman, Bay Area Energy Alliance**

For a number of years, Walt has been the sole source behind the Bay Area Energy Alliance. He brought together energy professionals from a wide range of backgrounds and provide opportunities for networking and information gathering. Walt is currently in the battle of his life against pancreatic and stomach cancer, and we wish for him all the physical and spiritual strength that he could possibly have.

### **Program Design Innovator - Sam Cohen, Energy Solutions**

Mr. Cohen specializes in providing program design, marketing, and implementation assistance for energy-efficiency programs serving business sector customers. Currently, Mr. Cohen is supervising three lighting retrofit programs that target the small commercial sector. For many years, he helped manage Pacific Gas and Electric Company's (PG&E) Express Efficiency (nonresidential retrofit) program. Mr. Cohen also assisted in the evaluation of current California utility programs and development of recommendations for the California Board for Energy Efficiency's 1999 efficiency programs. He helped develop SPC programs for small commercial and residential customers. Also, he is co-author of a successful \$1.3 million DOE Rebuild America grant to transform local energy efficiency markets.

### **Energy Technology Promoter - Mary Ann Piette, Lawrence Berkeley National Laboratory (LBNL)**

Mary Ann is a Staff Scientist and Deputy Group Leader of the Commercial Building SYstem's Group at LBNL. Her work involves development and analysis of commissioning, diagnostic, and building performance information systems. She works with the US DOE, California Energy Commission, GSA, City of Oakland, utilities, and other partners, including industry partners as well. She is active in ASHRAE, ACEEE, and the California Commissioning Collaborative. Some of her work can be seen at <http://eetd.lbl.gov/btp/abs/index.html>

Submitted by Stan Boghosian