

# SPRING-FALL 2008 SCHEDULE

## *Workshops to Improve Productivity by Investing in Energy Efficiency*

**Your energy costs can be reduced 10-20 percent or more by implementing industrial best practices!  
Learn how by signing up for one or more of these BestPractices Workshops today!**

*Workshop descriptions - See reverse for complete schedule of classes.*

### **Fundamentals of Compressed Air Systems (Advanced Course Also Available)**

Many industries use compressed air systems as power sources for tools and equipment. This initial class demonstrates how to compute the current cost of your plant's compressed air systems, measure and create a baseline of system performance, and determine the impact of different compressor control types. Learn how to achieve cost savings through more effective production and use of compressed air. *For complete course information:*

[http://www.eere.energy.gov/industry/bestpractices/training\\_compressed\\_air.html](http://www.eere.energy.gov/industry/bestpractices/training_compressed_air.html)

### **Fan System Assessment**

This one-day workshop highlights the benefits of optimizing fan performance to reduce costs. It introduces use of the Fan System Assessment Tool (FSAT) software, where users can: determine system efficiency, identify degraded fans, collect data for trending system operation, and quantify potential cost and energy savings. *For complete course information:*

[http://www.eere.energy.gov/industry/bestpractices/fan\\_systems.html](http://www.eere.energy.gov/industry/bestpractices/fan_systems.html)

### **Motor Systems Management**

Motor Systems Management training is designed to help facility personnel reduce energy costs and increase the reliability of their systems. This one day workshop covers inventory tracking, maintenance, repair, power quality, management of power transmission and driven loads as they relate to motor operation. Learn the basics of MotorMaster+ software tool to evaluate motor performance and repair. *For complete course information:*

[http://www.eere.energy.gov/industry/bestpractices/motor\\_systems.html](http://www.eere.energy.gov/industry/bestpractices/motor_systems.html)

### **Process Heating Assessment**

Advanced technologies and operating practices offer significant savings opportunities in process heating, with the potential to reduce energy consumption an additional 5 to 25 percent in the next decade. This one-day workshop includes an introduction to process heating and the equipment used by the industry, discussions of combustion, heat transfer in furnaces, waste heat recovery. Also, students will be instructed in the use of the Process Heating Assessment and Survey Tool (PHAST) software. *For complete course information:*

[http://www.eere.energy.gov/industry/bestpractices/training\\_process\\_heating.html](http://www.eere.energy.gov/industry/bestpractices/training_process_heating.html)

### **Pumping System Assessment**

This one-day workshop covers practical issues involved in field measurements of fluid and electrical data. It offers an introduction to the Pumping System Assessment Tool (PSAT) software which is used to assess the performance of pump systems. Learn how the software functions, what data is required, how to use the software when measured data are not available, and what the assessment results mean. *For complete course information:*

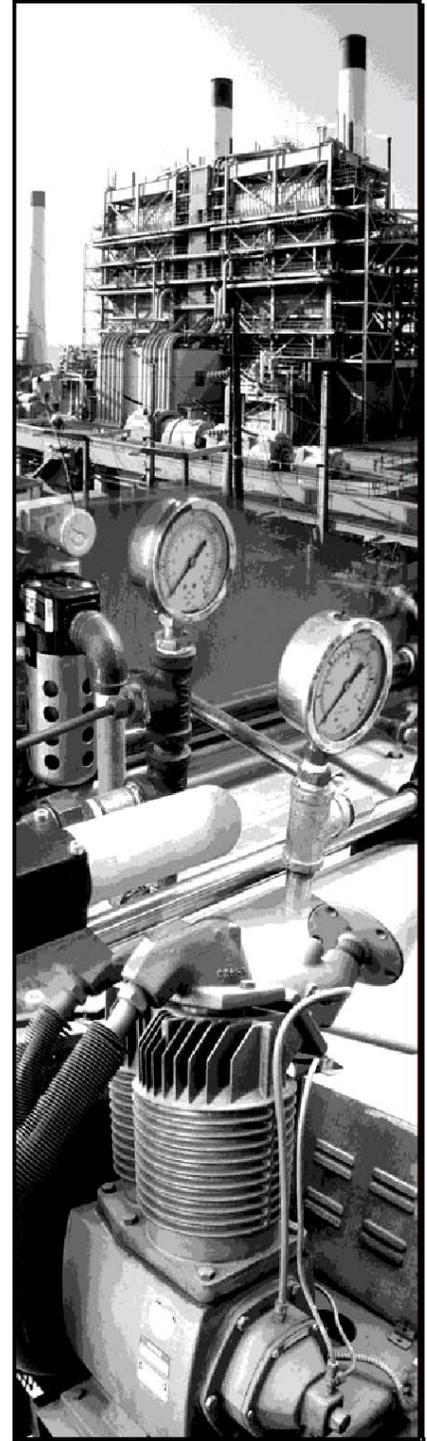
[http://www.eere.energy.gov/industry/bestpractices/pumping\\_systems.html](http://www.eere.energy.gov/industry/bestpractices/pumping_systems.html)

### **Steam System Assessment**

Many facilities can save energy through the installation of more efficient steam equipment. This one-day course covers methods of system efficiency and operation of typical steam systems. Covers material in steam generation efficiency, steam distribution system losses, and resource effectiveness. *For complete course information:*

[http://www.eere.energy.gov/industry/bestpractices/steam\\_systems.html](http://www.eere.energy.gov/industry/bestpractices/steam_systems.html)

**See the reverse side for workshops in your area.**



# SPRING-FALL 2008

## California BestPractices & Efficiency Training Workshops

Industrial BestPractices workshops & technical training sessions are targeted to maintenance supervisors, plant engineers, and industry personnel responsible for the operation or maintenance of these systems.

<u>Date</u>	<u>Host</u>	<u>Course</u>	<u>To Register</u>
May 15	SoCalGas Downey, CA	Process Heating Assessment	<a href="#">Southern California Gas registration</a>
May 15	SCE Irwindale, CA	Fan Systems Assessment	<a href="#">Southern California Edison registration</a>
May 29	SCE Irwindale, CA	Pumping System Assessment	<a href="#">Southern California Edison registration</a>
June 24-25	SCE Irwindale, CA	Advanced Management Compressed Air Systems Level II	<a href="#">Southern California Edison registration</a>
July 23	SoCalGas Downey, CA	Compressed Air Systems	<a href="#">Southern California Gas registration</a>
July 24	SMUD Sacramento, CA	Fan Systems Assessment	<a href="#">SMUD registration</a>
Aug 21	SMUD Sacramento, CA	Motor System Management	<a href="#">SMUD registration</a>
Sept 18	PG&E , CA	Compressed Air Systems	<a href="#">PG&amp;E registration</a>
Sept 25	SMUD Sacramento, CA	Steam System Assessment	<a href="#">SMUD registration</a>
Oct 7	SoCalGas Downey, CA	Motor System Management	<a href="#">Southern California Gas registration</a>
Oct 8	SoCalGas Downey, CA	Pumping System Assessment	<a href="#">Southern California Gas registration</a>
Oct 9	SMUD Sacramento, CA	Process Heating Assessment	<a href="#">SMUD registration</a>
Oct 21-23	SoCalGas Downey, CA	PHAST Specialist Training	<a href="#">Southern California Gas registration</a>
Oct 28-30	SoCalGas Downey, CA	Steam Specialist Training	<a href="#">Southern California Gas registration</a>

Visit <http://www.energy.ca.gov/process/> for additional information.

### Host Locations:

Pacific Gas & Electric  
Pacific Gas & Electric  
Pacific Gas & Electric  
Sacramento Municipal Utility District  
Southern California Gas Company  
Southern California Edison

### For General Information:

Industrial Energy Efficiency  
California Energy Commission  
1516 Ninth St. MS #42  
Sacramento, CA 95814  
[industrialefficiency@energy.state.ca.us](mailto:industrialefficiency@energy.state.ca.us)  
(916) 654-4044

1129 Enterprise St, Stockton, CA  
780 Commercial St, San Jose, CA  
3301 Crow Canyon Rd. San Ramon, CA  
6301 S Street Sacramento, CA  
9240 Firestone Blvd Downey, CA  
6090 Irwindale Ave. Irwindale, CA

(209) 932-2529  
(209) 932-2529  
(209) 932-2529  
(916) 732-5375  
(562) 803-7570  
(626) 812-7370



These workshops are presented in partnership with industry and your local utility.