

# CALENDAR YEARS 2012-3 SCHEDULE

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

**Reduce energy costs 10-20 percent or more by implementing industrial best practices!  
Learn how by signing up for one or more of these Best Practices Workshops today!**

### **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, and 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**

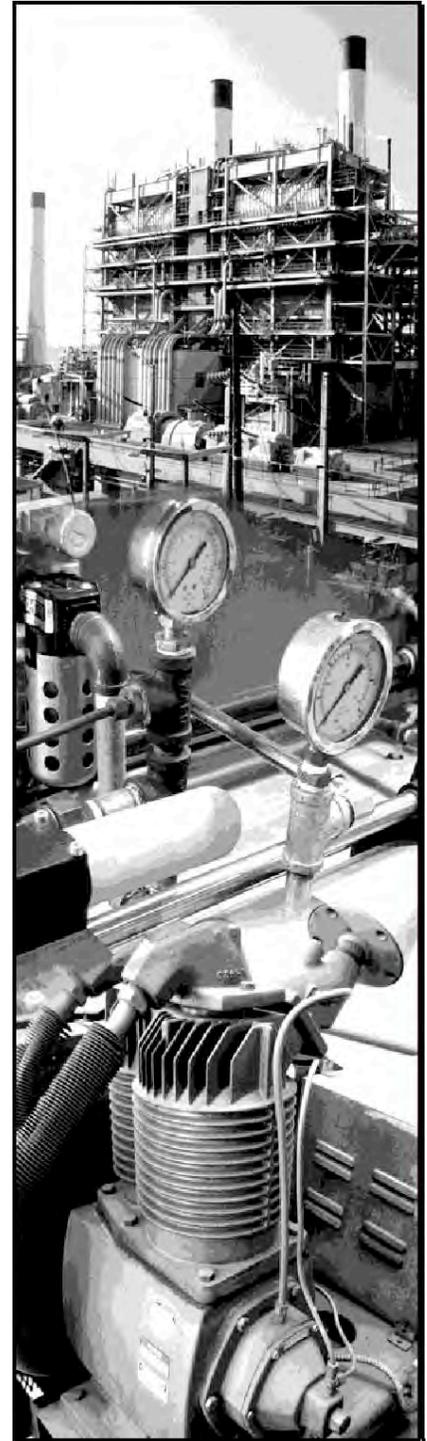
This one-day workshop covers practical issues involved in field measurements of fluid and electrical data. It offers an introduction to the Pumping System Assessment Tool (PSAT) software, which is used to assess the performance of pump systems. Learn how the software functions, what data is required, 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. It 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)



# CALENDAR YEARS 2012-3

## California Best Practices and Efficiency Training Workshops

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

| Date                         | Host                      | Course   | To Register   |
|------------------------------|---------------------------|--|---|
| March 27-9<br>2012-completed | PG&E<br>San Francisco, CA | Specialist Qualification:<br>Pumping Systems         | <a href="#">PG&amp;E registration</a>   |
| April 3-5 2012<br>completed  | PG&E<br>San Francisco, CA | Specialist Qualification:<br>Process Heating         | <a href="#">PG&amp;E registration</a>   |
| April 10 2012<br>completed   | SMUD<br>Sacramento, CA    | CAC Fundamentals of Compressed<br>Air Systems        | <a href="https://usage.smud.org/etcstudent/classlist.aspx">https://usage.smud.org/etcstudent/classlist.aspx</a> |
| April 11 2012<br>completed   | MID<br>Modesto, CA        | CAC Fundamentals of Compressed<br>Air Systems        | <a href="mailto:susand@mid.org">susand@mid.org</a>  |
| May 1 2012<br>completed      | SDG&E<br>San Diego, CA    | Pumping Systems<br>Management                        | <a href="http://sdge.com/seminars">http://sdge.com/seminars</a>   |
| May 23-4 2012<br>completed   | SMUD<br>Sacramento, CA    | CAC Advanced Management of<br>Compressed Air Systems | <a href="https://usage.smud.org/etcstudent/classlist.aspx">https://usage.smud.org/etcstudent/classlist.aspx</a> |
| 23-Aug-2012<br>completed     | SoCalGas<br>Downey, CA    | Steam System<br>Assessment                           | <a href="#">Southern California Gas registration</a>  |
| Aug-9 2012<br>completed      | SoCalGas<br>Downey, CA    | Process Heating<br>Assessment                        | <a href="#">Southern California Gas registration</a>  |
| Jan. 30 2013                 | MID<br>Modesto, CA        | Pumping Systems<br>Management                        | <a href="mailto:susand@mid.org">susand@mid.org</a>  |

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

### Host Locations:

Pacific Gas and Electric  
Pacific Gas and Electric  
Sacramento Municipal Utility District  
Southern California Gas Company  
Southern California Edison  
San Diego Gas and Electric  
Modesto Irrigation District

1129 Enterprise St, Stockton, CA  
851 Howard St. San Francisco, CA  
6301 S Street Sacramento, CA  
9240 Firestone Blvd Downey, CA  
6090 Irwindale Ave. Irwindale, CA  
4760 Clairemont Mesa Blvd. San Diego, CA  
1020 10<sup>th</sup> Street, Suite 102 Modesto, CA

(209) 932-2529  
(209) 932-2529  
(916) 732-5375  
(562) 803-7570  
(626) 812-7370  
(800) 613-8970  
(209) 526-7303

### 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) 653-1227



U.S. Department of Energy  
Energy Efficiency and Renewable Energy

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