



Helping Your Business Save Energy
Discover the economic and environmental benefits of energy efficiency.



ENERGY RESOURCE CENTER

Energy Efficiency and Sustainability Seminars for Commercial and Industrial Businesses



The Gas Company's
Energy Resource Center
9240 Firestone Blvd.
Downey, California 90241-5388

ADDRESS SERVICE REQUESTED

Seminar Schedule: Third Quarter 2010

Wasting energy is like burning money.

If you have energy efficiency challenges...we have solutions!

Discover the wealth of benefits that energy efficiency can offer your organization. Stay up-to-date on the latest energy-efficient, cost-saving opportunities, technologies and certification programs. Take advantage of the education and training offered by The Gas CompanySM at the Energy Resource Center, the company's LEED[®]-certified facility and showcase for energy-efficient technologies, sustainable building practices and more. Check out the valuable classes we're offering this quarter. They are part of our commitment to providing your business with exceptional service.



Except where otherwise noted, all seminars are held at:

The Gas Company's Energy Resource Center, 9240 Firestone Blvd., Downey, CA 90241.

Sustainability

Financial Analysis Techniques for Energy Efficiency Projects (Seminar #23382)

Wednesday, August 4

Time: 9 a.m. - 3 p.m. (8:30 a.m. check-in and continental breakfast. Lunch provided.)

Cost: Free

With both energy costs and the demand for sustainable building space on the rise, smart managers are focusing more time and capital on identifying cost-effective energy efficiency improvements. Learn the insights, terminology and financial modeling techniques needed to assess and approve energy efficiency projects that will enhance your building's competitiveness, profitability and value.

Benchmarking with ENERGY STAR[®] Portfolio Manager (Seminar #23378)

Thursday, August 5

Time: 9 a.m. - noon (8:30 a.m. check-in and continental breakfast.)

Cost: Free

Soon, non-residential building owners and operators may be required to disclose ENERGY STAR Benchmarking ratings on their leases to prospective lessees, buyers or lenders, and The Gas Company is here to help by offering no-cost training for commercial customers. More than 9 billion square feet of U.S. buildings have already used U.S. EPA's ENERGY STAR portfolio manager tool to benchmark their energy performance. Using a combination of classroom instruction and online demonstrations, this course will address the pros and cons of various benchmarking techniques, tips for optimizing your ENERGY STAR score and best practices for improving the score over time. Discussions will include AB1103 and changes that need to be implemented by non-residential building owners.

The Green Lease: Moving from Concept to Completion (Seminar #23388)

Thursday, August 5

Time: 1 p.m. - 4 p.m. (12:30 p.m. check-in and lunch.)

Cost: Free

Four out of five real estate decision-makers now consider sustainability to be a critical business issue that impacts both the leasing and operation of income-producing properties. This course will explore the latest in green lease templates: case studies of successful "green leasing" initiatives in the U.S. and abroad; and, the legal and practical implications of applying energy efficiency and other "green" principles to both new and existing leases.

Sign-up for My Account and save the environment, too!

Did you know that for every 2,900 customers who switch to paperless billing, we save one ton of paper, 16,450 gallons of water and 1,941 pounds of solid waste? And we avoid emitting 5,058 pounds of greenhouse gases.* Here's a simple way to help the environment. Have your recent gas bill handy and sign up for paperless billing on your business or residence through My Account at www.socialgas.com.

For more information about what My Account offers, go to www.socialgas.com.

*Environmental impact estimates were made using the Environmental Defense Paper Calculator.

These programs are funded by California utility customers and administered by Southern California Gas Company under the auspices of the California Public Utilities Commission. California consumers are not obligated to purchase any product or service mentioned in these programs.

REGISTRATION IS EASY:

For seminar details, more information about the ERC and its location, or to register for seminars, call 1-800-427-6584 and select option one, fax us at 1-562-803-7551 or call the Energy Resource Center direct at 1-562-803-7500. Please be prepared to supply the seminar number. Also, visit our web site at seminars.socialgas.com or e-mail us at erc@socialgas.com.

Except where otherwise noted, all seminars are held at The Gas Company's Energy Resource Center, 9240 Firestone Blvd., Downey, CA 90241.

Programs: Program content and speakers are subject to change without notice. Space is limited, and all programs are offered on a space-available basis.

The Gas Company reserves the right to cancel any program. In the event of such cancellation, The Gas Company has no responsibility for non-refundable or other costs incurred by registrants in anticipation of any program. Registrants must be 16 years of age or older, and casual business attire is requested.

Cancellation policy: Written or verbal notice of cancellation by registrant should be received by The Gas Company at least seventy-two (72) hours prior to the start of the program.

Disclaimer: Content of seminars and other program information is general in nature and not guaranteed or warranted to provide solutions to any specific situation. Content is provided for information purposes only. The Gas Company is not responsible for the views, interpretations or recommendations made in any program, which reflect the positions of the presenters. The Gas Company does not endorse any particular product, manufacturer or service discussed, and does not represent that any goods or services are fit for any purpose or use.

NAME		
TITLE	COMPANY	
STREET		
CITY	STATE	ZIP
PHONE	FAX	
E-MAIL	<input type="checkbox"/> Please send schedules and event notices to my e-mail address.	

INDUSTRIAL NEW CONSTRUCTION:

- Industrial Burner and Control Technologies for Energy Efficiency (Seminar #22824) Tuesday, July 20
- Waste Heat Management Techniques: The 3 Rs: Reduce, Recycle and Recovery (Seminar #22823) Wednesday, July 21

SUSTAINABILITY SEMINARS:

- EnergyPro[®] 5: Residential New Construction (Seminar #23376) Wednesday, July 7 (8:30 a.m. - noon)
- EnergyPro[®] 5: Existing Building Rating Systems (Seminar #23377) Wednesday, July 7 (1 p.m. - 4:30 p.m.)
- California's New Title 24 Standards: Compliance and Beyond (Seminar #23379) Thursday, July 8
- Financial Analysis Techniques for Energy Efficiency Projects (Seminar #23382) Wednesday, August 4
- Benchmarking with ENERGESTAR[®] Portfolio Manager (Seminar #23378) Thursday, August 5 (9 a.m. - noon)
- The Green Lease: Moving from Concept to Completion (Seminar #23388) Thursday, August 5 (1 p.m. - 4 p.m.)

INDUSTRIAL TECHNOLOGIES SEMINARS:

- Understanding Boiler Basics (Seminar #21996) Thursday, September 16
- Boiler Water Treatment for Energy Efficiency (Seminar #21997) Thursday, September 30
- DOE: Steam End-User Training (Seminar #22941) Wednesday, August 11
- DOE: Pumping Systems Management (Seminar #22822) Thursday, August 26
- DOE: Process Heating End-User Training (PHAST) (Seminar #22942) Wednesday, September 22

HVAC SEMINARS:

NATE CERTIFICATION TRAINING SERIES:

- Core 1 (Seminar #22243) Thursday, September 9
- Core 2 (Seminar #22244) Thursday, September 16
- Gas Heating Part 1 (Seminar #22245) Thursday, September 23
- Gas Heating Part 2 (Seminar #22246) Thursday, September 30

- AC and Heat Pumps Part 1 (Seminar #22247) Thursday, October 7
- AC and Heat Pumps Part 2 (Seminar #22248) Thursday, October 14
- Air Distribution Part 1 (Seminar #22249) Thursday, October 21
- Air Distribution Part 2 (Seminar #22250) Thursday, October 28

QUALITY INSTALLATION, MAINTENANCE AND SERVICE IN THE CALIFORNIA HVAC MARKET (CAQI/CAQM/CAQS) SERIES:

- System Performance Module: Part 1 (Seminar #22252) Tuesday, September 28
- System Performance Module: Part 2 (Seminar #22253) Wednesday, September 29
- System Performance Module: Part 3 (Seminar #22254) Thursday, October 7
- System Performance Module: Part 4 (Seminar #22255) Thursday, October 14

Note: Attendees must register for each seminar individually. Register now for your fourth quarter classes in this special series to ensure your spot.

Location: The Gas Company
9400 Oakdale Ave., Chatsworth, CA 91311

ENERGY RESOURCE CENTER

Energy Efficiency and Sustainability Seminars for Commercial and Industrial Businesses

HVAC

NATE Certification Training Series

Time: 6 p.m. - 9 p.m. (5:30 p.m. check-in and dinner.)

Cost: Free

Location: The Gas Company's Energy Resource Center
9240 Firestone Blvd.
Downey, CA 90241

North American Technician Excellence (NATE) is the leading certification program for heating, ventilation, air conditioning and refrigeration technicians—and it is the only test supported by the entire industry. Many customers place a high priority on locating a certified expert, so being NATE-qualified can be a real competitive edge for HVAC professionals. The Gas Company and IHACI (Institute of Heating and Air Conditioning Industries) are co-sponsoring a series of seminars specifically designed to help participants successfully prepare for the NATE Certification exam. For the convenience of working professionals, these classes will be held on weekday evenings and will be followed by an opportunity to complete the NATE Exam on a Saturday. There will be a fee payable to NATE for the exam; however there is no charge for the preparation series.

Note: Attendees must register for each seminar individually. Register now for your fourth quarter classes in this special series to ensure your spot.

Core 1 (Seminar #22243): Thursday, September 9
Core 2 (Seminar #22244): Thursday, September 16
Gas Heating Part 1 (Seminar #22245): Thursday, September 23

Gas Heating Part 2 (Seminar #22246): Thursday, September 30

A/C and Heat Pumps Part 1 (Seminar #22247): Thursday, October 7

A/C and Heat Pumps Part 2 (Seminar #22248): Thursday, October 14

Air Distribution Part 1 (Seminar #22249): Thursday, October 21

Air Distribution Part 2 (Seminar #22250): Thursday, October 28

NATE Certification Exam*: Saturday, October 30

***Note:** For NATE Certification Exam fee information, payment and registration, please contact IHACI directly by calling 1-818-551-1555, or e-mailing IHACI@IHACI.org.

Quality Installation, Quality Maintenance and Quality Service in the California HVAC Market (CAQI/CAQM/CAQS)

Time: 6 p.m. - 9 p.m. (5:30 p.m. check-in and dinner.)

Cost: Free

Location: The Gas Company
9400 Oakdale Avenue
Chatsworth, CA 91311

The Gas Company and IHACI are proud to continue presenting the new set of courses focusing on quality installation, maintenance and service of HVAC systems in California. Each series of courses focuses on a particular HVAC appliance and covers all areas required to properly design, install, commission, maintain, service, diagnose and verify proper operation. These courses help provide participants with the skill sets and

These seminars are specifically tailored to the unique needs of the HVAC industry and are co-sponsored by The Institute of Heating and Air Conditioning Industries, Inc. (IHACI).



tools to ensure that the systems they work on are safe, reliable and operating as efficiently as possible.

Note: Attendees must register for each seminar individually. Register now for your fourth quarter classes in this special series to ensure your spot.

System Performance Module: Parts 1 - 4

This four-part seminar starts with the fundamentals and theory behind residential and light commercial HVAC system performance with an overview of Quality Design (QD), Quality Installation (QI), Quality Maintenance (QM) and Quality Service (QS) as applied in the California market (CAQD/CAQI/CAQM/CAQS). It introduces and details the "whole house" concept, outlines the instruments and field techniques required to measure HVAC system performance, and resolve any issues discovered. This seminar gives its participants the complete skill sets required to understand and evaluate the whole HVAC system and provide the client with an HVAC system that will be safe, reliable and operate at the highest capacity and energy efficiency possible.

System Performance Module: Part 1 (Seminar #22252): Tuesday, September 28
System Performance Module: Part 2 (Seminar #22253): Wednesday, September 29
System Performance Module: Part 3 (Seminar #22254): Thursday, October 7
System Performance Module: Part 4 (Seminar #22255): Thursday, October 14

Industrial New Construction

Industrial Burner and Control Technologies for Energy Efficiency (Seminar #22824) Tuesday, July 20

Time: 9 a.m. - 3 p.m. (8:30 a.m. check-in and continental breakfast. Lunch provided.)

Cost: Free

This seminar will cover the vast array of burner technologies—from atmospheric to power burners. It includes discussion of design considerations for determining the appropriate burner designs for industrial process requirements and advanced control strategies.

Waste Heat Management Techniques, The 3 Rs: Reduce, Recycle and Recovery (Seminar #22823) Wednesday, July 21

Time: 9 a.m. - 3 p.m. (8:30 a.m. check-in and continental breakfast. Lunch provided.)

Cost: Free

This seminar offers guidance in design, selection and operation of industrial heating equipment such as furnaces, melters, dryers, ovens, heaters and kilns to save energy. The course includes demonstrations using calculators and software tools to estimate reductions in energy use and dollar savings with the use of energy-saving methods discussed in the presentation.

Industrial Technologies

Understanding Boiler Basics (Seminar #21996)

Thursday, September 16

Time: 9 a.m. - 3 p.m. (8:30 a.m. check-in and continental breakfast. Lunch provided.)

Cost: Free

This seminar provides owners and operators of boilers with an explanation of boiler controls, interlocks, safety and combustion air requirements. It also covers techniques that may help improve boiler and distribution system efficiencies, as well as energy efficiency. In addition, air quality and boiler operation guidelines will be discussed.

Boiler Water Treatment for Energy Efficiency (Seminar #21997)

Thursday, September 30

Time: 9 a.m. - 3 p.m. (8:30 a.m. check-in and continental breakfast. Lunch provided.)

Cost: Free

This seminar goes hand-in-hand with the "Understanding Boiler Basics" seminar. Owners and operators of boilers will learn how correct treatment of water can increase operating energy efficiency. Learn how chemical costs can be reduced. Find out how to protect your boiler from corrosion, scale and biological fouling.

Industrial Technologies (cont'd)

Co-sponsored with:
U.S. Department of Energy (DOE) and
California Energy Commission (CEC)

DOE: Steam End-User Training (Seminar #22941)

Wednesday, August 11

Time: 8 a.m. - 4:30 p.m. (7:30 a.m. check-in and continental breakfast. Lunch provided.)

Cost: Free

This U.S. Department of Energy (DOE) one-day course covers the operation of typical steam systems and discusses methods of system efficiency improvements. The training helps industrial and institutional plant personnel – energy managers, steam system supervisors, engineers and equipment operators – identify opportunities to improve steam system performance. The training is co-sponsored by The DOE, California Energy Commission and The Gas Company.

DOE: Pumping Systems Management (Seminar #22822)

Thursday, August 26

Time: 8 a.m. - 4:30 p.m. (7:30 a.m. check-in and continental breakfast. Lunch provided.)

Cost: Free

This one-day introductory workshop is designed to teach facility engineers, operators and maintenance staff about pump system performance characteristics. It also introduces use of the Pump System Assessment Tools (PSAT). The training is co-sponsored by The Department of Energy, California Energy Commission and The Gas Company.

DOE: Process Heating End-User Training (PHAST) (Seminar #22942)

Wednesday, September 22

Time: 8 a.m. - 4:30 p.m. (7:30 a.m. check-in and continental breakfast. Lunch provided.)

Cost: Free

This U.S. Department of Energy (DOE) one-day Process Heating Assessment training session includes an introduction to process heating and equipment such as furnaces, ovens, dryers, heaters, kilns, etc., used by the industry. The training is co-sponsored by The DOE, California Energy Commission and The Gas Company.

Sustainability (cont'd)

EnergyPro® 5: Residential New Construction (Seminar #23376)

Wednesday, July 7

Time: 8:30 a.m. - noon (8 a.m. check-in and continental breakfast.)

Cost: Free

Martyn Dodd of EnergySoft will present a hands-on class aimed at people using EnergyPro to model low-rise residential buildings. This session will cover general use of the state-certified software, including Title 24 compliance.

Participants are encouraged to bring a laptop with EnergyPro Version 5 installed to follow along.

EnergyPro® 5: Existing Building Rating Systems (Seminar #23377)

Wednesday, July 7

Time: 1 p.m. - 4:30 p.m. (12:30 p.m. check-in and lunch.)

Cost: Free

Martyn Dodd of EnergySoft will present a hands-on class on using EnergyPro, a state-certified software, to model low-rise residential buildings. This session will focus on the HERS Phase II and GreenPoint Rated capabilities in the software aimed at Whole House Ratings for existing residential buildings.

Participants are encouraged to bring a laptop with EnergyPro Version 5 installed to follow along.

California's New Title 24 Standards: Compliance and Beyond (Seminar #23379)

Thursday, July 8

Time: 8:30 a.m. - 12:30 p.m. (8 a.m. check-in and continental breakfast.)

Cost: Free

Martyn Dodd of EnergySoft, LLC will discuss nonresidential building envelope, lighting and mechanical requirements affecting new construction under California's 2008 Title 24 Energy Efficiency Standards. Learn about recent updates to the standards and how the latest version affects building design in your new construction projects.

Certified Green Building Professional (CGBP) (Seminar #23371)

Tuesday and Wednesday, September 21 and 22

Time: 8 a.m. - 5 p.m. (7:30 a.m. check-in and continental breakfast. Lunch provided.)

Cost: Early Bird members: \$350
Early Bird non-members: \$400
After 08-21-10 members: \$400
After 08-21-10 non-members: \$450

Register: Go to www.builditgreen.org

As green building becomes more popular, homeowners and those purchasing homes are looking for contractors, architects and engineers who are qualified to provide green building services. Build It Green's Certified Green

Building Professional Training will help you establish yourself in this profitable niche and distinguish yourself from your competitors.

This course is followed by a written, certification exam.

Green Home Retrofitting and Remodeling (Advanced CGBP) (Seminar #23372)

Thursday and Friday, September 23 and 24

Time: 8 a.m. - 5 p.m. (7:30 a.m. check-in and continental breakfast. Lunch provided.)

Cost: Early Bird members: \$350
Early Bird non-members: \$400
After 08-23-10 members: \$400
After 08-23-10 non-members: \$450

Register: Go to www.builditgreen.org

In today's economy 95% of the construction market is existing homes. 70% of the existing housing stock in California was built prior to the development of the Title-24 Energy Code and provide a great opportunity for energy upgrades as well as improving resource conservation and indoor air quality. This two-day how-to course is designed to provide construction professionals with a practical, comprehensive, step-by-step process to effectively upgrade and remodel existing homes in all aspects of a green home.

Special Energy Conference

Presented by:
Association of Energy Engineers (AEE)

ENERGY SUSTAINABILITY: Pathways, Policies and Pitfalls

Wednesday, September 8

Time: 7 a.m. - 3:30 p.m. (7 a.m. check-in and continental breakfast. Lunch provided.)

Cost: Early Bird (before 09-05-10): \$125; After 09-05-10: \$175

Register: Go to signup@aeesocal.org

This conference will examine how the energy solutions for California in 2010 and beyond will affect you and your company. Sustainable energy, its paths, policy implications and potential pitfalls to businesses will be explored. The conference will present the impact of government policies, incentives, risk management, SEC disclosures, community and market solutions.