



A  Sempra Energy utility®

Energy Education & Training Course Catalog

2016 | JULY - SEPTEMBER



San Diego Gas & Electric's Energy Innovation Center



The Energy Innovation Center is a working showcase that demonstrates smart energy initiatives and green building practices, all housed in one unique setting.

This 27,000-square-foot Double LEED® Platinum facility offers visitors a venue for learning and exploring the latest in energy efficiency, renewable energy, smart grid, and alternative fuel technologies.

Free courses brought to you by SDG&E®

All courses are held at SDG&E's Energy Innovation Center unless otherwise noted. Please arrive half an hour prior to the start of courses to allow time to check in.

Our free courses are open to the public, presented by SDG&E, and held at the Energy Innovation Center. Register today for one of our energy-efficiency, demand response, or sustainability educational and technical courses. Please note that courses are subject to change. Check seminars.sdge.com for current information.

Register today for these courses. It's easy!

Online: seminars.sdge.com
Phone: 1-800-644-6133
Fax: 1-619-819-4079

SDG&E's Energy Innovation Center
4760 Clairemont Mesa Boulevard
San Diego, CA 92117
sdge.com/innovationcenter

2016 COURSE CATALOG | JULY - SEPTEMBER

Course Categories

- Lighting Technologies4
- Renewables & Sustainability5
- Energy Management Strategies5
- Trade Professional Series6
- Building Envelope, Standards & Software7
- HVAC Systems & Technologies.....10
- Commercial & Industrial Technologies11
- Food Service11
- Home Performance13
- Homeowner Workshops13

Continuing Education Units (CEUs)

- American Institute of Architects (AIA)
- Building Performance Institute (BPI)
- California Advanced Lighting Controls Training Program (CALCTP)
- California State University San Marcos (CSUSM)
- Foodservice Consultants Society International (FCSI)
- Green Building Certification Institute (GBCI)
- North American Technician Excellence (NATE)

Programs:

Program content and speakers are subject to change without notice. Space is limited, and all programs are offered on a space-available basis. San Diego Gas & Electric® (SDG&E®) reserves the right to cancel any program. In the event of such cancellation, SDG&E has no responsibility for non-refundable or other costs incurred by registrants in anticipation of any program. Registrants must be 18 years of age or older.

Cancellation policy:

Written or verbal notice of cancellation by registrants should be received at least 72 hours prior to the start of the seminar.

Content of seminars and other program information is general in nature and not guaranteed or warranted to provide solutions to any specific situation. Programs are provided for information purposes only. SDG&E is not responsible for the views, interpretations, or recommendations made in any program, which reflect the positions of the presenters. SDG&E 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.

Your community resource

The Energy Innovation Center is more than a building. It's a working showcase, living laboratory, and open classroom for new ideas, products, and practices.

Our center offers:

- Courses to help you learn cost-effective, energy-efficiency practices
- Trade Professional trainings for green building design, operations, and maintenance
- A commercial food service demonstration kitchen where you can test and compare energy-efficient equipment
- Sustainability tours, featuring our innovative Smart Home and other advances in energy efficiency, clean transportation, sustainability, and renewable energy production
- A Resource and Tool Lending Library

Double LEED Platinum

SDG&E's Energy Innovation Center is one of the nation's first buildings to achieve Double LEED Platinum certification, the highest rating in the Leadership in Energy and Environmental Design certification system of the U.S. Green Building Council®. The Energy Innovation Center earned LEED Platinum for New Construction and Major Renovations, as well as LEED Platinum for Existing Buildings: Operations and Maintenance.



Tour what interests you

We can gear tours to the interests of homeowners, high school groups, or businesses. See the most popular stations—Smart Home, efficient lighting and controls, and solar technologies—and other features. To schedule your tour, visit us online at sdge.com/innovationcenter.

Hold your meetings here

You can book a meeting at no cost if your topic fits the Center's mission of informing, educating, and inspiring people about energy efficiency or environmental sustainability. For guidelines, room capacities, or a request form, visit sdge.com/innovationcenter.

Lighting Technologies

July

CALCTP Systems Course

Event # 11709

Monday, July 18

8 a.m. to 5 p.m.

August

CALCTP Title 24

Lighting Acceptance Test for the Employer

6-Hour Course/Certification

Event # 11727

Monday, August 8

8 a.m. to 2 p.m.

September

Nonresidential Acceptance Testing Technician (ATT)

24-Hour Course

Event # 11795

Wednesday & Thursday,
September 7 & 8

Additional dates:

September 14, 15, 21 & 22

4:30 p.m. to 8:30 p.m.



Renewables & Sustainability

September

Integrative Process for Energy Management

Event # 11789
Wednesday, September 7
10 a.m. to 2 p.m.
CEUs: GBCI

Sustainable Strategies for Businesses

Event # 11788
Wednesday, September 14
11 a.m. to 1 p.m.
CEUs: GBCI

Energy Management Strategies

August

Advanced Energy Management Strategies

Event # 10877
Tuesday, August 9
9 a.m. to 4 p.m.

Trade Professional Series

July

Trade Professional Program Essentials

Event # 11421
Thursday, July 7
8:30 a.m. to 11 a.m.

Financial Tools to Sell Your Energy Efficiency Projects

Event # 11816
Tuesday, July 19
11 a.m. to 1 p.m.

August

Trade Professional Program Essentials

Event # 11423
Thursday, August 4
8:30 a.m. to 11 a.m.

Locational Energy Efficiency Program Workshop

Event # 11671
Thursday, August 4
11:30 a.m. to 12:30 p.m.

Navigating the Energy Efficiency Business Rebates Program & Online Tool

Event # 11817
Wednesday, August 24
11 a.m. to 1 p.m.

September

Trade Professional Program Essentials

Event # 11432
Thursday, September 1
8:30 a.m. to 11 a.m.

Navigating the On-Bill Financing Program

Event # 11818
Wednesday, September 21
11 a.m. to 1 p.m.



Tool Lending Library

The Tool Lending Library contains more than 100 energy-measuring tools that can be checked out. For more information, contact the Energy Innovation Center at 1-858-496-7137.

Building Envelope, Standards & Software

July

Nonresidential Standards for Energy Consultants

Event # 11778

Tuesday, July 19

8:30 a.m. to 4 p.m.

Residential Standards for Energy Consultants

Event # 11779

Thursday, July 21

8:30 a.m. to 4:30 p.m.

September

Nonresidential Standards for Plans Examiners and Building Inspectors

Event # 11780

Thursday, September 8

8:30 a.m. to 4 p.m.

Residential Standards for Plans Examiners and Building Inspectors

Event # 11781

Tuesday, September 13

8:30 a.m. to 4 p.m.

Residential Standards for AC Quality Installation Contractors

Event # 11782

Tuesday, September 20

8:30 a.m. to 2:30 p.m.

September (continued)

Nonresidential Standards for AC Quality Installation Contractors

Event # 11783

Tuesday, September 20

6 p.m. to 9 p.m.

What's New in 2016 for Title 24 Nonresidential Standards

Event # 11784

Tuesday, September 27

11 a.m. to 1 p.m.

What's New in 2016 for Title 24 Residential Standards

Event # 11785

Tuesday, September 27

1:30 p.m. to 3:30 p.m.

CEUs: BPI

Advanced Energy Pro for Nonresidential Standards

Event # 11786

Wednesday, September 28

8:30 a.m. to 12:30 p.m.

Advanced Energy Pro for Residential Standards

Event # 11787

Wednesday, September 28

1:00 p.m. to 4:30 p.m.

CEUs: BPI



Energy Code Ace

Energy Code Ace is here to help you meet California's Title 24 requirements. Find available resources, tools, and training by visiting EnergyCodeAce.com.





Online HVAC Excellence & NATE* Certification Training

Online training at no cost to help you prepare for the HVAC Excellence & NATE certification exams.

For more information, email us at seminars@sdge.com.

*North American Technician Excellence



HVAC Systems & Technology

July

Smart Pumps

Event # 11708

Wednesday, July 20

8 a.m. to 12 p.m.

August

Steam Plant Operations & Maintenance Certification

3 day pre-training

Event # 11712

Monday through Wednesday,

August 22, 23 & 24

8 a.m. to 3:30 p.m.

September

IHACI - NATE Certification Training:

Core 1 General Skills

Event # 11713

Wednesday, September 7

6 p.m. to 9 p.m.

CEUs: NATE

September (continued)

IHACI - NATE Certification Training:

Core 2 Electrical Skills

Event # 11714

Thursday, September 8

6 p.m. to 9 p.m.

CEUs: NATE

IHACI - NATE Certification Training:

Gas Heating Part 1

Event # 11715

Wednesday, September 14

6 p.m. to 9 p.m.

CEUs: NATE

IHACI - NATE Certification Training:

Gas Heating Part 2

Event # 11716

Thursday, September 15

6 p.m. to 9 p.m.

CEUs: NATE

Commercial & Industrial Technologies

September

Project Management Part 1: Initiating & Planning Conservation

Event # 11721
Tuesday, September 13
8 a.m. to 12 p.m.
CEUs: GBCI

Project Management Part 2: Executing, Monitoring, and Closing

Event # 11722
Tuesday, September 13
12:30 p.m. to 4 p.m.
CEUs: GBCI

Food Service

July

Setting Up a New Restaurant

Event # 11259
Wednesday, July 20
9 a.m. to 11 a.m.

August

Fast, Small & Flexible: Maximizing Your Kitchen Space

Event # 11260
Tuesday, August 2
9 a.m. to 11 a.m.

September

Maintain Your Cool: Food Safety and Preventative Maintenance

Event # 11261
Thursday, September 15
9 a.m. to 11 a.m.



Setting Up a New Restaurant

Do you think you have a great food concept and want to open up your own kitchen or restaurant? Whether you want to open a diner or coffee shop, sit-down or fast casual restaurant, or a commercial kitchen, join us to learn from people who have been through the challenges of opening kitchens and restaurants. Register for our seminar today at sdge.com/training.



Home Performance

September

Hands-on Refrigerant Charge Measurement

Event # 11790

Tuesday, September 27

8:30 a.m. to 12:30 p.m.

Building Energy Science 100

Event # 11791

Tuesday, September 27

1 p.m. to 5 p.m.

CEUs: BPI

Advanced Blower Door Diagnostics & Air Leakage Identification

Event # 11792

Wednesday, September 28

8:30 a.m. to 12:30 p.m.

CEUs: BPI



Become a Participating Home Upgrade Contractor

Participating Energy Upgrade California® Home Upgrade contractors are essential partners in helping homeowners save energy and money with energy-efficiency upgrades. To see if you qualify to receive the benefits of this network, visit sdgehomeupgrade.com.

Homeowner Workshops

August

Solar for Homeowners

Event # 11793

Tuesday, August 9

5:30 p.m. to 7:30 p.m.

September

WaterSmart Landscape Design for Homeowners

Event # 11794

Tuesday, September 6

5:30 p.m. to 8:30 p.m.



Some programs are funded by California utility customers and administered by San Diego Gas & Electric® (SDG&E®) under the auspices of the California Public Utilities Commission. California customers are not obligated to purchase any goods or services offered by the presenters. SDG&E does not endorse, qualify, or guarantee the work of any third party. If you have specific questions regarding SDG&E's energy-efficiency programs and related rebates, call SDG&E's Energy Savings Center (ESC) at 1-800-644-6133.



Energy Innovation Center
P.O. Box 129831

ADDRESS SERVICE REQUESTED



*****AUTO

Sample Name
Any Street
Any Street 2
Any City, State Zip_Code



PRSRT STD
U.S. POSTAGE
PAID
SAN DIEGO, CA
PERMIT #213