

# BLUEPRINT

California Energy Commission  
Efficiency Division

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## New Mechanical Acceptance Test Technician Certification Provider

On January 13, 2016, the California Energy Commission (Energy Commission) approved the National Environmental Balancing Bureau (NEBB), as a mechanical Acceptance Test Technician Certification Provider (ATTCP).

This gives NEBB the authority to train, certify, and oversee acceptance test technicians (ATTs) and their employers. NEBB will train and certify ATTs to perform all 17 mechanical acceptance tests required in the *2013 Building Energy Efficiency Standards* (Energy Standards).

The Conditions of Approval are available for review in the **Executive Director's recommendation**.

For more information, please visit:  
<http://energy.ca.gov/title24/attcp/>.

## Small Duct High Velocity Space Conditioning Systems

Small duct high velocity (SDHV) systems may be used to comply with the Energy Standards. The following is a list of requirements with direction on how SDHV systems can comply with the low-rise residential requirements of the Energy Standards.

### **Mandatory Requirements**

United States Department of Energy Standards:

SDHV systems manufactured on or after January 23, 2006, and before January 1, 2015, must have a minimum Seasonal Energy Efficiency Ratio (SEER) of 11, and a minimum Heating Seasonal Performance Factor (HSPF) of 6.8.

SDHV systems manufactured on or after January 1, 2015, must have a minimum SEER of 12, and a minimum HSPF of 7.2.

Energy Standards:

**Section 150.0(m)13B** - Single zone systems that use forced air ducts to supply cooled air to an occupiable space must either meet minimum airflow and fan efficacy requirements, or meet the return duct and grille sizing requirements of **TABLES 150.0-C or 150.0-D**.

NOTE: The return duct and grille sizing alternative will likely be the method chosen for compliance when installing a SDHV system.

**Section 150.0(m)15** - Specific to systems with multiple thermostatically controlled zones, this section requires the same mandatory airflow and fan efficacy requirements as **Section 150.0(m)13B**. However, it does not have the same duct and grille sizing alternative. If such systems cannot satisfy the airflow and fan efficacy requirements of this section, compliance must be demonstrated via the performance approach.

The duct leakage and insulation requirements apply as with any other system.

### **Prescriptive Requirements**

The refrigerant charge and duct insulation requirements apply as with any other system.

## Performance Options

CBCECC-Res Version 4b can model SDHV systems.

Refrigerant charge verification can also be modeled, as with any other cooling system.

Where applicable, compliance credits for buried ducts or deeply buried ducts can be taken.

## Demand Responsive Controls for Additions and Alterations

For alterations, demand responsive controls are triggered when all of the following conditions are met:

1. Any number of existing luminaires are altered (**TABLE 141.0-E**).
2. There is a change in the area of the enclosed space, space type, or increase in lighting power (**TABLE 141.0-E**).
3. The area of all altered enclosed spaces is greater than 10,000 square feet, excluding spaces with a lighting power density of 0.5 watts per square foot or less (**Section 130.1(e)**).

Demand responsive control requirements apply only to the enclosed space(s) being altered as indicated on the building permit. The Energy Standards apply only to those portions of the systems being altered. These controls are not required if the area of all altered enclosed spaces is 10,000 square feet or less.

For example, an existing 15,000 square foot building is undergoing a 5,000 square foot lighting system alteration. Demand responsive controls are not required since the area of the altered enclosed space(s) is less than 10,000 square feet.

If the entire 15,000 square foot building is undergoing a lighting system alteration and there is no change in the area of the enclosed space(s), space type, or increase in lighting power, demand responsive controls are not required.

For additions, demand responsive control requirements are triggered when the area of the addition is greater than 10,000 square feet, excluding spaces with a lighting power density of 0.5 watts per square foot or less (**Sections 141.0(a)1** and **130.1(e)**).

Continuing with additions, the demand responsive control requirements apply only to the enclosed space(s) being added as indicated on the building permit.

For example, a 5,000 square foot addition to a 15,000 square foot existing building does not trigger demand responsive control requirements.

## Residential Water Heating Options

If it takes an extended period for hot water to get to a fixture, a common cost-effective solution is to install a demand recirculation system. These systems reduce both wait time and water waste (see **Section 5.3.2** of the *2013 Residential Compliance Manual* for more information). The installation of a manually controlled demand recirculation system that meets the requirements of **RA4.4.9** of the *2013 Reference Residential Appendices*, also meets the prescriptive alteration requirements of the Energy Standards. Per **Section 150.2(b)1Giv**, the Energy Commission used the performance compliance approach and determined that energy use is no more than the standard design system. Thus, manually controlled demand recirculation systems can be installed prescriptively for residential single dwelling unit alterations. Any other alteration to the hot water distribution system, such as timer or temperature control recirculation systems, must be analyzed using the performance compliance approach.

To decrease the wait time, another alternative is to install a second water heater near the fixture. Historically, adding a water heater to an existing building's water heating system required a performance run to dem-

onstrate compliance. Again, using **Section 150.2(b)1Giv**, the Energy Commission used the performance compliance approach and determined that an additional natural gas or propane instantaneous water heater uses no more energy than the standard design system, and can be installed prescriptively. If an additional storage or electric instantaneous water heater is added, the performance compliance approach must be used.

## EnergyPro Version 7.0

EnergyPro Version 7.0. has been approved as compliance software for the 2016 Energy Standards. The Energy Commission has reviewed and approved both the residential and nonresidential modules of EnergyPro Version 7.0. This version of EnergyPro allows users to evaluate the impacts of the 2016 Energy Standards on projects.

If applying for a permit before January 1, 2017, compliance software approved for the 2013 Energy Standards must be used. All approved software for the 2013 Energy Standards may be viewed at: [http://www.energy.ca.gov/title24/2013standards/2013\\_computer\\_prog\\_list.html](http://www.energy.ca.gov/title24/2013standards/2013_computer_prog_list.html).

For a list of compliance software approved for the 2016 Energy Standards, please visit: [http://www.energy.ca.gov/title24/2016standards/2016\\_computer\\_prog\\_list.html](http://www.energy.ca.gov/title24/2016standards/2016_computer_prog_list.html).

## Alternative Path for Complying with Lighting Alteration Requirements

A **staff analysis** that considers allowing aspects of the 2016 nonresidential indoor lighting alteration requirements to be used for compliance with the 2013 Energy Standards is available for review. Public comments may be submitted until 5 p.m. on March 21, 2016.

For more information, please visit: [http://energy.ca.gov/title24/2008standards/special\\_case\\_appliance/#16-BSTD-01](http://energy.ca.gov/title24/2008standards/special_case_appliance/#16-BSTD-01).

# Lighting Standards to Save Californians More Than \$4 Billion in Electricity Costs

The Energy Commission adopted first-in-the-nation appliance standards for the next generation of light bulbs. The standards cover small-diameter directional lamps, often used in track lighting, and general purpose light-emitting diodes (LEDs) used to replace typical existing home lighting.

With these new standards, consumers will save more than \$4 billion in aggregate over the first 13 years and conserve enough electricity to power all of the households in Santa Barbara and Ventura counties (about 400,000 average homes). Bulbs that meet the new standards are already available to consumers.

The adopted standards will save consumers money in both electricity and bulb replacement costs. For a \$4 investment in the more efficient small-diameter directional lamps, the Energy Commission estimates consumers will save nearly \$250 in reduced energy and bulb replacement costs when averaged over 11 years. The lifetime savings for general purpose LEDs range from \$4.50 to \$12 and will likely grow as purchase prices decline.

## Small-diameter directional lamps

Small-diameter directional lamps are often used in track lighting at commercial sites, such as stores and museums. In California, nearly 16 million of these bulbs are in use. The standards cover bulbs with a diameter of 2.25 inches or less and will go into effect January 1, 2018. The standards include:

- » A requirement that bulbs have either an efficacy greater than or equal to 80 lumens per watt or a color rendering index + Efficiency score of at least 165 with a minimum efficiency of at least 70 lumens per watt.

- » A minimum lifetime of 25,000 hours for each product. LED bulbs are the only products that meet this lifetime standard. The adoption is expected to cause a transition to LEDs from less efficient technologies.

## LEDs

The standards for general purpose LEDs include omnidirectional, directional, and decorative bulbs, as well as LEDs designed for retrofitting the covered socket types. LED bulbs consume less energy than other bulbs and have a longer lifespan, making the lifetime energy savings far greater than the incremental cost.

The standards for LEDs include efficiency and quality improvements which take effect January 1, 2018. Additional amendments to strengthen efficiency and limit power in standby mode take effect July 1, 2019. The standards include:

- » A requirement for omnidirectional bulbs to produce a light distribution pattern that aligns with requirements adopted by the U.S. EPA ENERGY STAR® program for bulbs.
- » A minimum lifetime requirement of 10,000 hours, equivalent to ten years in a typical home.
- » Limitations on how distorted a particular color appears under the bulbs.
- » A requirement that manufacturers meet minimum performance thresholds before making claims about dimmability or other qualities.
- » A limit to the amount of power a connected LED can use in standby mode.

## Q&A

### Illuminated Areas

**Section 140.7(d)1A, discusses calculating the illuminated hardscape area using the luminaire mounting height for outdoor lighting. Regarding the passage below, what does, “ten times the luminaire mounting height” refer to?**

*“In plan view of the site, determine the illuminated hardscape area, which is defined as any hardscape area that is within a square pattern around each luminaire or pole that is ten times the luminaire mounting height with the luminaire in the middle of the pattern, less any areas that are within a building, beyond the hardscape area, beyond property lines, or obstructed by a structure.”*

Ten times the luminaire mounting height refers to the sides of the square, centered around the pole of the luminaire.

First, consider the height at which the luminaire is mounted to the pole. In Figure 1, that height is 20 feet.

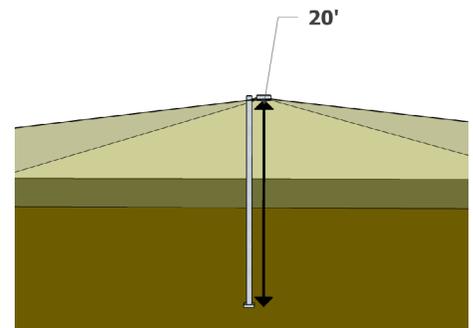


Figure 1 - Luminaire mounted to the pole at 20 feet.

Next, multiply the mounting height by 10, which yields 200 feet. Two hundred feet is “ten times the luminaire mounting height.” A square, whose sides are 200 feet, is drawn with the pole in the center (Figure 2). The 200 feet by 200 feet square is the illuminated area.

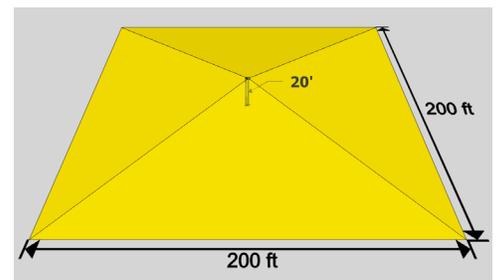


Figure 2 - Illuminated area centered around the luminaire.

**Example 6-22** in Chapter 6 of the 2013 *Nonresidential Compliance Manual* also explains how to determine the illuminated area.

**Are there similar visual examples for determining skylit and sidelit daylit zones?**

### Skylit Daylit Zones

The skylit daylit zone is the area below the skylight, plus 0.7 times the average ceiling height, see **Section 130.1(d)1A**.

In Figure 3, the average ceiling height is 10 feet. The ceiling height is multiplied by 0.7, giving 7 feet (10 feet x 0.7 = 7 feet). Seven feet is then added to the rough opening of the skylight to give the skylit daylit zone.

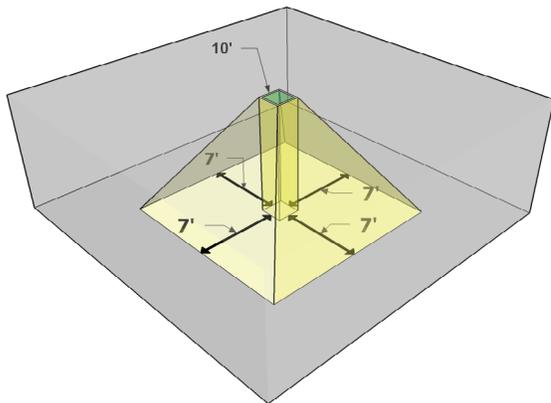


Figure 3 - Skylit daylit zone originates from the skylight and extends an additional 7 feet in this example.

### Sidelit Daylit Zones

The sidelit daylit zone is the area directly adjacent to a vertical window, see **Sections 130.1(d)1B** and **130.1(d)1C**.

To calculate the area of the sidelit daylit zone, determine the window head height by measuring from the floor to the top of the window frame (Figure 4). Then add 0.5 times the window head height to each side of the window, widthwise, to determine the width of the sidelit daylit zone. The primary sidelit daylit zone is then determined by extending one window head height from the window. The secondary sidelit zone is determined by extending two window head heights from the window.

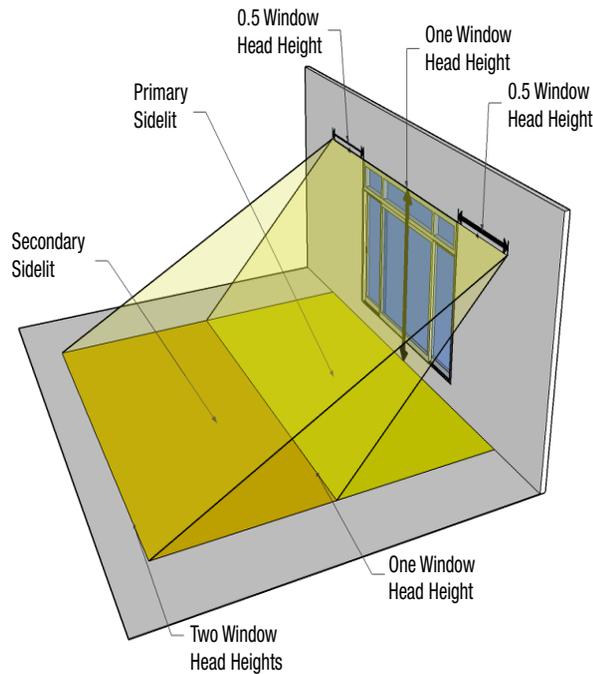


Figure 4 - Primary and secondary sidelit daylit zones.

## Track Lighting Alterations

**Does moving, replacing, or adding heads to an existing track lighting system trigger lighting alteration requirements?**

No. Requirements may be triggered if the existing track is relocated.

**If an existing track is relocated, are lighting system alteration requirements triggered?**

Lighting system alterations are triggered when 10 percent or more of the existing luminaires in the enclosed space are altered, see **Section 141.0(b)2lii**, and **TABLE 141.0-E**. For track lighting, each track head is counted as a single luminaire. To determine whether the 10 percent threshold is met, count the number of track heads that will be mounted to the relocated track and divide it by the number of existing luminaires in the space and then multiply by 100.

**If a new track is added to the space, are lighting system alteration requirements triggered?**

If the lighting power in the enclosed space increases, the enclosed space must meet the applicable requirements of **Sections 110.9, 130.0, 130.1, 130.4, 140.3(c), 140.6, and 141.0(b)2lv**.

## Compliance Documents

**If someone changes out a wall heater with the same size wall heater, do they need to fill out energy compliance documentation and if so which documents?**

**Sections 10-103(a)1C** and **10-103(a)3C** of the 2013 Energy Standards explain that enforcement agencies may, at their discretion, choose to not require compliance documents for residential alteration projects that do not require Home Energy Rating System (HERS) verification. A wall furnace replacement alone would not trigger HERS verification (duct leakage or refrigerant charge). It is at the discretion of the enforcement agency to require compliance documents for these projects.

If compliance documents are required for these types of projects, they are available at: [http://www.energy.ca.gov/title24/2013standards/res\\_compliance\\_forms/Alterations\\_and\\_Additions\\_Paper\\_Forms/](http://www.energy.ca.gov/title24/2013standards/res_compliance_forms/Alterations_and_Additions_Paper_Forms/).

These all-inclusive compliance documents cover alterations to roofs, heating, ventilation and air conditioning (HVAC) systems, and water heating systems. The applicant completes only sections that are applicable to the project.

## Townhouses and Duplexes

**Are townhouses and duplexes treated as single family buildings when complying with the solar ready requirements of Section 110.10?**

Townhouses and duplexes are classified under occupancy group R-3 in **Section 1.1.3.1.1** of the *2013 California Residential Code*. The 2013 Energy Standards define a single family residence as a building that is of occupancy group R-3. Therefore, townhouses and duplexes are treated as single family residences with each unit being treated separately.

## Commissioning

**I am constructing a mixed occupancy building. The lower story of the building is for commercial/retail use and is 5 percent of the conditioned floor area. The remaining stories are residential and are 95 percent of the conditioned floor area. Since the building is primarily residential, does it need to be commissioned?**

Yes. However, the commissioning requirements of **Section 120.8** only apply to the nonresidential portions of the building. **Section 100.0(f)** requires the space for each occupancy to meet the applicable provisions of the Energy Standards for that occupancy.

NOTE: Commissioning applies to mechanically heated or cooled nonresidential portions of newly constructed mixed occupancy buildings, regardless of the percentage of nonresidential space.

**Are the commissioning requirements applicable to additions and alterations under the 2016 Energy Standards?**

No. The commissioning requirements of the 2016 Energy Standards are not applicable to additions or alterations. Changes to the 2016 Energy Standards clarify the language of **Section 120.8**, and do not alter the scope. Commissioning Q&As from **Blueprint Issue 107** are still applicable to the 2016 Energy Standards.

## For More Information

**Home Energy Rating System:**

<http://www.energy.ca.gov/HERS/>

**Acceptance Test Technician**

**Certification Provider Program:**

<http://www.energy.ca.gov/title24/attcp/>

**Approved Computer Compliance**

**Programs:**

[http://www.energy.ca.gov/title24/2013standards/2013\\_computer\\_prog\\_list.html](http://www.energy.ca.gov/title24/2013standards/2013_computer_prog_list.html)

**The California Energy Commission welcomes your feedback on Blueprint.**

**Please contact Andrea Bailey at:**

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## SPECIAL THANKS

- |                    |                 |
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CEC-400-2016-003



Title 24 Part 6

# Essentials Training Courses

Currently Scheduled for 2016

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## 2013 Residential Standards for Plans Examiners and Building Inspectors

DATE • TIME	LOCATION	INSTRUCTOR	REGISTRATION LINK
February 24 • 8:30 - 4:30	Grass Valley	Brian Selby	goo.gl/umoyjU
March 4 • 8:30 - 4:30	Santa Barbara	Bruce Cheney	sce.com/workshops
March 10 • 8:30 - 4:30	Ventura	Bruce Cheney	sce.com/workshops
March 24 • 8:30 - 4:30	San Bernardino	Bruce Cheney	sce.com/workshops
March 30 • 8:30 - 4:30	Rancho Santa Margarita	Bruce Cheney	sce.com/workshops
May 24 • 8:30 - 4:30	Beverly Hills	Bruce Cheney	sce.com/workshops
June 8 • 8:30 - 4:30	Rancho Cucamonga	Bruce Cheney	sce.com/workshops
June 9 • 8:30 - 4:30	Irvine	Bruce Cheney	sce.com/workshops

## 2013 Residential Standards for Energy Consultants

March 17 • 8:30 - 4:30	Irwindale	Martyn Dodd	sce.com/workshops
May 19 • 8:30 - 4:30	San Francisco	Gina Rodda	goo.gl/GUKW4v

## 2013 Residential Standards for AC Quality Installation Contractors

March 2 • 8:30 - 2:30	Stockton	David Wylie	goo.gl/6TKyH0
May 10 • 8:30 • 2:30	Stockton	David Wylie	goo.gl/oXaNOV
June 7 • 8:30 • 2:30	Stockton	David Wylie	goo.gl/E05dT6

## 2013 Nonresidential Standards for Plans Examiners and Building Inspectors

March 23 • 8:30 - 4:30	Fontana	Bruce Cheney	sce.com/workshops
April 1 • 8:30 - 4:30	Santa Barbara	Bruce Cheney	sce.com/workshops
April 26 • 8:30 - 4:30	Victorville	Bruce Cheney	sce.com/workshops
May 10 • 8:30 - 4:30	Beverly Hills	Bruce Cheney	sce.com/workshops
May 24 • 8:30 - 4:30	Folsom	Brian Selby	goo.gl/adq9Qt
June 21 • 8:30 - 4:30	Irvine	Bruce Cheney	sce.com/workshops
June 29 • 8:30 - 4:30	Rancho Cucamonga	Bruce Cheney	sce.com/workshops

## 2013 Nonresidential Standards for Energy Consultants

March 2 • 8:30 - 4:30	Stockton	Gina Rodda	goo.gl/8w9eNC
April 26 • 8:30 - 4:30	Folsom	Brian Selby	goo.gl/uz3efT
May 18 • 8:30 - 4:30	San Francisco	Gina Rodda	goo.gl/0pLzUq

## 2013 Nonresidential Standards for Small Commercial AC Quality Installation Contractors

March 3 • 8:30 - 2:30	Stockton	David Wylie	goo.gl/XoTctA
June 8 • 8:30 - 2:30	Stockton	David Wylie	goo.gl/6Ykj8L

## 2013 Standards & Technology for Residential Lighting

May 25 • 8:30 - 4:30	Stockton	Nicole Graeber	goo.gl/LKAitR
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## 2013 Standards & Technology for Office Lighting

July 27 • 8:30 - 4:30	San Francisco	Nicole Graeber	goo.gl/KRqESb
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## 2013 Standards & Technology for Retail Lighting

July 26 • 8:30 - 4:30	San Francisco	Nicole Graeber	goo.gl/d2jhAP
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**NEW**

## 2013 Nonresidential Standards Essentials for Architects

March 8 • 8:30 - 4:30	Irwindale	Martyn Dodd	sce.com/workshops
May 24 • 8:30 - 4:30	Irwindale	Martyn Dodd	sce.com/workshops

## Title 24: Where We're Headed with the 2016 Standards

March 18 • 8:30 - 12:30	Irvine	Martyn Dodd	sce.com/workshops
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Delivered online in real-time by an instructor  
Classes are delivered in 3 parts, 1 each day in a series.

### 2013 Residential Standards for Energy Consultants

DATE • TIME	LOCATION	INSTRUCTOR
April 19 - 21 • 9:00 - 12:00	Online	Brian Selby
June 21 - 23 • 9:00 - 12:00	Online	
July 26 - 28 • 9:00 - 12:00	Online	
October 25 - 27 • 9:00 - 12:00	Online	
November 15 - 17 • 9:00 - 12:00	Online	

### 2013 Nonresidential Standards for Energy Consultants

DATE • TIME	LOCATION	INSTRUCTOR
May 31 - June 2 • 9:00 - 12:00	Online	Brian Selby
August 16 - 18 • 9:00 - 12:00	Online	
September 20 - 22 • 9:00 - 12:00	Online	

### 2013 Residential Modeling

DATE • TIME	LOCATION	INSTRUCTOR
April 12 - 14 • 9:00 - 12:00	Online	Brian Selby & Demian Vonder Kuhlen
June 14 - 16 • 9:00 - 12:00	Online	Martyn Dodd & Demian Vonder Kuhlen
July 19 - 21 • 9:00 - 12:00	Online	
October 4 - 6 • 9:00 - 12:00	Online	

### 2013 Nonresidential Modeling

DATE • TIME	LOCATION	INSTRUCTOR
March 28 - 30 • 9:00 - 12:00	Online	Martyn Dodd & Demian Vonder Kuhlen
May 3 - 5 • 9:00 - 12:00	Online	
August 9 - 11 • 9:00 - 12:00	Online	
October 18 - 20 • 9:00 - 12:00	Online	

DATE • TIME	LOCATION	INSTRUCTOR	REGISTRATION LINK
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### Webinars

#### 2013 Title 24: Where We've Landed With the Nonresidential Standards

March 23 • 9:00 - 11:30	Online	Martyn Dodd	pge.com/energyclasses
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#### 2013 Title 24: Where We've Landed With the Residential Standards

March 23 • 1:00 - 2:30	Online	Martyn Dodd	pge.com/energyclasses
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#### 2016 Title 24: Where We're Headed With the Nonresidential Standards

April 8 • 9:00 - 11:30	Online	Martyn Dodd	pge.com/energyclasses
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#### 2016 Title 24: Where We're Headed With the Residential Standards

April 8 • 1:00 - 2:30	Online	Martyn Dodd	pge.com/energyclasses
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### Software Training

#### Beginning EnergyPro 6 Nonresidential

March 9 • 8:30 - 12:00	Irwindale	Martyn Dodd	sce.com/workshops
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#### Beginning EnergyPro 6 Residential

March 9 • 12:30 - 4:00	Irwindale	Martyn Dodd	sce.com/workshops
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#### EnergyPro Software for 2013 Title 24 Nonresidential Compliance - Introduction

May 10 • 8:30 - 12:00	San Francisco	Martyn Dodd	pge.com/energyclasses
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#### EnergyPro Software for 2013 Title 24 Nonresidential Compliance - Intermediate/Advanced

May 10 • 1:00 - 4:30	San Francisco	Martyn Dodd	pge.com/energyclasses
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#### EnergyPro Software for 2013 Title 24 Residential Compliance - Introduction

May 11 • 8:30 - 12:00	San Francisco	Martyn Dodd	pge.com/energyclasses
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#### EnergyPro Software for 2013 Title 24 Residential Compliance - Intermediate/Advanced

May 11 • 1:00 - 4:30	San Francisco	Martyn Dodd	pge.com/energyclasses
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#### IESVE Software Training for 2013 Title 24 Compliance for Nonresidential Buildings

May 18 • 9:00 - 5:00	San Francisco	Liam Buckley	pge.com/energyclasses
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July 20 • 9:00 - 5:00	San Francisco	Liam Buckley	pge.com/energyclasses
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November 1 • 9:00 - 5:00	San Francisco	Liam Buckley	pge.com/energyclasses
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- Residential Standards for AC Quality Installation Contractors
- Residential Standards for Indoor Lighting
- Residential Standards for Ventilation
- Residential Energy Efficiency Concepts
- Nonresidential Standards for Indoor Lighting Mandatory Measures
- Nonresidential Standards for Indoor Lighting Prescriptive Compliance
- Nonresidential Energy Efficiency Concepts

Take them whenever and wherever you like, at your own pace. Visit [EnergyCodeAce.com](http://EnergyCodeAce.com)

Facilitated online discussion forums for building department personnel and other industry professionals.

Go to [EnergyCodeAce.com](http://EnergyCodeAce.com) for the upcoming topics, dates, times.



This program is funded by California utility customers under the auspices of the California Public Utilities Commission.



### Are you Ready for 2016 Standards?

The 2016 Title 24 standards will become effective 1/1/17... are you ready?

Energy Code Ace is here to help you prepare with our new free offerings focused on what's new in 2016.

#### Now Available:



Date	Time	Location	Instructor	Registration Link
<b>Traditional Classroom</b>				
<b>Title 24: Where We're Headed with the 2016 Standards</b>				
March 18	8:30 – 12:30	Irvine	Martyn Dodd	<a href="http://sce.com/workshops">sce.com/workshops</a>
<b>Webinars</b>				
<b>2016 Title 24: Where We're Headed With the Nonresidential Standards</b>				
April 8	9:00 – 11:30	Online	Martyn Dodd	<a href="http://pge.com/energyclasses">pge.com/energyclasses</a>
<b>2016 Title 24: Where We're Headed With the Residential Standards</b>				
April 8	1:00 – 2:30	Online	Martyn Dodd	<a href="http://pge.com/energyclasses">pge.com/energyclasses</a>



Our [Fact Sheets](#) offer "quick reference" summaries of key requirements, forms, definitions and resources for implementing Title 24, Part 6.

- [Fact Sheet: What's New: 2016 Residential Code](#)
- [Fact Sheet: What's New: 2016 Nonresidential Code](#)

#### Coming Soon:

More free 2016 training, tools and resources are in the works! Register with [www.EnergyCodeAce.com](http://www.EnergyCodeAce.com) to receive notices when new offerings are available.



This program is funded by California utility customers under the auspices of the California Public Utilities Commission and in support of the California Energy Commission.