Minutes of the April 13, 2018 SVABO General Meeting at Citrus Heights Community Center.

- Meeting called to order by Greg Anderson at 10:11 AM
- Flag Salute – Led by Dan Larsen
- Welcome from Greg Anderson, Chief Building Official, Citrus Heights
- Self-introductions
- Review of March 9th meeting minutes
Motion to approve minutes from Andrea Coley was seconded and approved by unanimous vote.

Executive Board Reports:

Secretary / Treasurer's Report – Jim Mangino
- Total Liabilities and Equities as of March 31st are $109,068.64. This total will be filed for audit.

Vice-President’s Report – Joe Cuffe
- Joe gave a recap of the CALBO ABM and the Region 1 meeting.
- Next Meeting – May 11th, 2018 in Elk Grove. This will be our joint meeting with the Yosemite Chapter. The speaker is still pending.
- 50/50 Raffle - $ 40 so far

President’s Report – Greg Anderson
- Steve Burger was nominated at the March meeting for an Honorary Membership to SVABO. Greg presented Steve with a certificate. Congratulations Steve!
- Greg Mahoney made a motion to make Terry Knox an Honorary Member of SVABO. The motion was seconded and unanimously approved.
- Greg asked for support for all the SVABO committees. Please sign up as all the committees need help.
- Greg reminded the membership about the County Building Officials ABM coming up April 30th to May 2nd.
- Building Safety Month is coming up in May.

Past-President’s Report – Scott Zangrando
- Nothing to report at this time.

Code Quiz - Brett Hale
Thank you Brett! (Code quiz attached).
Committee Reports:

Code Development Committee: Jay Hyde
- See attachment for full report.

Education Committee: Steve Burger
- Steve gave an update on the upcoming Minstitute in May and also how the previous classes in March performed. Full committee agenda/report attached.

Outreach Committee: Andrea Coley
- Reaching out to other jurisdictions who don’t regularly attend the general meetings for support. The chair will be sending out a meeting request for future meetings.

Scholarship Committee: Don Wilden
- Don announce that the Jack Atkins Scholarship application is now available on the SVABO website. The application period runs from April 1st through May 31st and is open to eligible candidates for all types of schooling. The recipient is entitled to an award of up to a maximum of $1000.

Permit Technician Committee: Tammy Dominguez
- First meeting of the year will be held on April 24th from 1 to 3 pm in Folsom. The topic of the meeting will be “Tricks for Trakit” which is a permitting software that Folsom is investigating/implementing.

PASS Ad-Hoc committee: Gene Paolini (not present)
- No Report

Installation Dinner Ad-Hoc committee: Andrea Coley
- The location of the installation dinner will be in Folsom at the Rotary Club (same location as last year) and will be on Saturday December 1st. Thank you to all committee members for your help.

Agency Reports:

CALBO: Lauren Herman
- CALBO held its 2018 Annual Business Meeting in Burlingame from March 25-29, 2018. Presentations are available in the CALBO website for those who did not attend.
- CALBO’s Third Annual Job Fair and Career Development Day took place on March 29, 2018. Job seekers and college students attended to explore career options in building-safety. If you would like to participate next year as a volunteer, please contact the CALBO Outreach and Communications Committee.
- CALBO is launching a new website in May 2018 that will provide a new platform for the CALBO community to find resources, tool kits, resources, and publications.
- 2018 CALBO Education Weeks will take place in San Ramon from September 10-13, Ontario from October 15-18 and Anaheim from December 17-20. Registration will be available in May 2018.
- CALBO will host its Annual Leadership and Advocacy Day on April 18, 2018 at the State Capitol in Sacramento. CALBO Class I Members are invited every year to meet with Senators and Assembly Members to discuss important issues and bills that impact building departments.

League of Cities: No report

California Energy Commission: Andrea Bailey
- New Blueprint newsletter just came out with information on Accessory Dwelling Units. Blueprint newsletter is attached. Also, there are several trainings coming up in the region.

HCD: No report
DSA: No report

ICC: Chris Ochoa
- May is the 38th annual Building Safety Month. Podcasts are now available on the ICC website and is called “ICC Pulse”. Please check it out. Third annual Chapter Leadership Academy is coming up. Full report is attached.

CSLB: No report

CBSC: Jay Hyde
- Building code advisory committees are still looking for some members. Please sign up if you can.

Old Business: None to report

New Business: Greg Mahoney
- Students at Cosumnes River College are showing an interest in doing jurisdictional ride-a-longs. Greg would like to relay the information to the students if there are any jurisdictions that provide this service. Many jurisdictions in attendance at today’s meeting provide and welcome this opportunity.

Announcements:
- Ken Welch announced his representative replacement from WC3. On a sadder note, earlier this month a past SVABO president and longtime member of this industry, Jim Barthman passed away. There was a moment of silence held in Jim’s honor.
- Brett Hale as part of the outreach committee is looking for “fixer-up” projects which are cosmetic in nature for the committee to work on to help folks who are in need. Discussion followed.

50/50 Raffle: Joe Cuffe won $25. Congratulations Joe!

Presentation: This is a special presentation to honor Ken (and Judy) Welch for their many contributions to the Building and Safety industry over the years. Ken was presented with a cowboy hat with a beaded hat band (soon to show up) with the SVABO logo on it. Many people got up and spoke to recognize and thank Ken for all his support, mentorship and efforts throughout the years. Ken has had a tremendous impact on the Building and Safety industry as a whole and the folks he took under his wing. Thank you Ken for your outstanding service..

Meeting adjourned at 12:24 PM.

Respectfully Submitted,
Jim Mangino
SVABO Secretary/Treasurer
1. According to the 2016 California Building Code Table 1006.3.1, four exits shall be provided from any story or occupied roof with an occupant load greater than ____?
   a. 250
   b. 500
   c. 750
   d. 1,000

2. According to the 2016 California Residential Code Section R703.5.3, horizontal lap siding shall be lapped not less than ____ inch or ____ inch if rabbeted.
   a. 1, ½
   b. 1, ½
   c. installed according to manufacturer’s recommendations
   d. either a or c
   e. either b or c

3. According to the 2016 California Plumbing Code Section 1210.1.7 plastic gas piping can be installed in attic areas?
   a. True
   b. False

4. According to the 2016 California Mechanical Code Section 511.1.2.1, in-line exhaust fans used for commercial cooking operations where the design or positioning of the fan allows grease to be trapped, a drain directed to a readily accessible and visible grease receptacle, not exceeding ____ gallon, shall be provided.
   a. 4
   b. 3
   c. 2
   d. 1

5. AB 1127 (Approved October 13, 2017) modifies the existing California Health and Safety Code Section 118506 which requires the installation of at least one publicly accessible baby changing station in a women’s restroom and men’s restroom, or at least one publicly accessible changing station in a restroom accessible to both men and women. This act applies to new construction or when estimated construction costs are over $10,000 for new construction or renovations in which of the following buildings:
   a. Theaters
   b. Nightclubs
   c. Grocery stores
   d. Restaurant with an occupancy of at least 60 persons
   e. All of the above
   f. a, c, and d only
SVABO CODE DEVELOPMENT COMMITTEE
REPORT TO THE SVABO MEMBERSHIP
APRIL 13, 2018

The Committee meets on the last Friday of odd numbered months at the offices of
Mogavero Architects 2012 K Street, Sacramento, CA.

1. We have recently been working via telephone and on line evaluating numerous Code Change
Proposals. Attached is a list of our recommendations: “A” means Approve, “D” means
Disapprove and “WATCH or STUDY means we are not sure and need to either see what other
jurisdictions think or we need to study the item further before making a recommendation.

2. We have been coordinating our efforts with the Los Angeles Basin Chapter of ICC. They have
prepared a spreadsheet listing the Group A Code Change Proposals and the current positions
taken by the participants. It is a shared Google document so the recommendations are subject
to change depending on what occurs at the Committee Action Hearing in Columbus.
   a. Participating Jurisdictions are: City of LA, County of LA, California State Fire Marshal’s
      Office, San Diego, SVABO, Tri-Chapters. Brad Wingluk (Modesto) is now joining in
      representing CalBO.
   b. The spreadsheet is available on the LA Basin Chapter’s website under
      “Committees/Code Coordination.”

3. SVABO has 2 Code Change Proposals submitted this year:
   a. G74-18 which deals with increasing the allowable walls surrounding an occupied roof
      where the occupied roof is considered a part of the story below.
   b. S10-18 which deals with permitting as an accessory use occupied “penthouses: as part
      of an occupied roof that is considered as a part of the story below.
   c. Kevin Reinertson has volunteered to speak in favor of the proposals on behalf of SVABO
during the Committee Action Hearings.

4. Hearing Schedule:
   a. April 15-25  Committee Action Hearing, Columbus, OH
   b. May 16 – 30: (Approx.) On line vote
   d. July 16:     Deadline for receipt of public comments.
   e. August 31:   Web posting of “Public Comment Agenda.”
   f. Oct 24-31:   Public Comment hearing
   g. Nov 15-29:  Online governmental consensus vote.

5. Question for the Membership: During the last code cycle the Committee prepared a document
briefly outlining the Significant Changes to the IBC and the IFC: was this useful to the
Membership? Should we continue and repeat the process for the 2018 IBC/IFC?

SVABO EDUCATION COMMITTEE - MEETING AGENDA

April 11, 2018  8 a.m. – 10 a.m.
Folsom City Hall
2nd Floor Community Development Conference Room
50 Natoma Street, Folsom, CA 95630

• Call to Order –
• Welcome and introductions—
• Approve Minutes
• Announcements (Non-agenda Items)
• Chairman’s Statement—
• Minstitute 2018—May 7-10 in Citrus Heights  Five classes each day.
  • Instructors that replied---
    • See the attached Plan
Terry and Dee will check with Paul Armstrong. Paul Armstrong is onboard and will teach Means of Egress
• Student registration
  • Registration cut-off date No registrations on-line after a certain date. Ten days before the Minstitute was decided. Walk-ins would still be welcome at the late registration fee rate. Normal fee: $135 for members; $160 for non-members. Late fee: $150 for members $180 for non-members.
  • Registration and confirmation procedure The registration form on-line would ask for the emails of those being registered. In the event of one person registering multiple people, each email would be needed so those individuals would be notified separately.
  • Name badges Class days would not be needed on the tags
  • Certificates Yelena will check into if it would be possible to have a program that would email the certificates to each pre-registered attendee. Walk-ins would need a separate sheet to sign in so they could provide their email.
• Handouts
  • Hard copies vs. downloads Continue as is but also see if it is possible to provide a website where registered students could download their handouts and access them during class over the Internet (on an I-pad or tablet) if they did not have their handout or if we ran out.
• Classes
  • All set. Five each day except for four on Thursday

• Vendors
  • Steve will send out another email to vendors. We will raise the price maybe $10-$20 for booth space so we can use those funds to purchase $25 gift cards (or equal) for giveaways at lunch. One per day. **Willdan and BV have joined in to be vendors in addition to the others we have.**

• Supplies
  • Office supplies---Do we need to refresh or add to the supplies? Board approved funding to allow us to refresh some of our supplies and purchase one or two additional whiteboards. **Mike was going to check.**

• Hotels
  • Lake Natoma Inn in Folsom --- Verified at $95 per night for May 2018
  • Best Western in Roseville ---

• Caterer
  • Hannibal’s **Joe to confirm**

• Monitors
  • How many each day? **We need at least 6 each day. Can you help?? Especially during the first hour of registration.**

• 50/50 raffle
  • OK to continue. Also, perhaps have sponsors donate a small give-away for the drawing and everyone gets a ticket when signing in? **See “Vendor” info above.**

• Marketing
  • **Flyer---Distributed**
  • AIA, CSI, SEOC, BIA, other Chapters
  • Sending out reminders Monthly reminders at first then twice-weekly (Mondays and Thursdays) as the time gets closer.

• Facility for Next Year
  • Citrus Heights with five classes each day
  • Other location(s)?

• Other issues to discuss?
  • **Joe will contact Susan Dowty from ICC**

• Spring Classes
  • 2-day Permit Tech Class---Steve Burger February 5 and 5. Went well—**about 40+ attendees. Crisp Catering did a good job!**
  • Multiple day classes---Mary Dickson March 26 and 27. **Over the Counter Plan Review and Residential Plan Review for Permit Techs. Confirmed and has been advertised regularly. Need update from SMA!**
  • Others?

• Training classes for future Inspectors, Permit Techs and Plan Checkers **On Hold**
  • Locations, dates/times, instructors, curriculum, etc.
  • Committee was asked to start seriously thinking how we could do this
  • Steve suggested a program name of “NE**XT**”. (New Employment Cross Training). Other names are welcome!!

• Other Business --- **CALBO Education Weeks 2018**
• September- San Ramon  October Ontario  December Anaheim  
• Costs: Approx. $195 for members, $250 for non-members  
• ICC ABM  October 21 – 24 in Richmond, VA

• Items for Next Agenda

• Future Education Committee Dates and Locations
  • Meetings — The next meeting will be ???, 2018 8 a.m. in the Folsom Community Development Conference Room, 50 Natoma Street, Folsom.
Efficiency Division Updates

Efficiency Division Updates and Resources

- Prior business meeting was April 11. Next business meeting is May 9. Business Meetings Agendas and Minutes: [www.energy.ca.gov/business_meetings](http://www.energy.ca.gov/business_meetings)

- Blueprint Newsletter Issue 122, January – March, 2018, is now available. In this issue you will find information on CBECC-Res FAQs, simplified nonresidential forms, a thank you to LBO and the City of Chico, rebuilding after disasters, accessory dwelling units, and more. It can be found on our website at: [http://www.energy.ca.gov/efficiency/blueprint/](http://www.energy.ca.gov/efficiency/blueprint/)

- Eight presentations on the 2016 Energy Code have been posted. General topics include covered processes, envelope, lighting, forms and resources, and water heating. These presentations are available for download from the Online Resource Center at: [http://www.energy.ca.gov/title24/orc/](http://www.energy.ca.gov/title24/orc/)

Energy Standards Training and Events


  5/1: Tahoe Engineers, Architects, and Surveyors, Tahoe Q&A Session - High Performance Walls

  5/3: SCCICC, Redding
  2016 Residential Envelope Requirements (0.3 CEUs)

  5/7: SVABO, Citrus Heights
  2016 Energy Code - Envelope Requirements Overview

  5/9: SVABO, Citrus Heights
  2016 Energy Code - Lighting Requirements Overview

- Energy Code Ace has new and updated trainings: [www.energycodeace.com/training](http://www.energycodeace.com/training)
- PG&E has new and updated trainings: [www.pge.com/pec](http://www.pge.com/pec)

Energy Standards Resources

- Online Resource Center: [www.energy.ca.gov/title24/orc](http://www.energy.ca.gov/title24/orc)
- Energy Standards Hotline: 800-772-3300 or Title24@energy.ca.gov

To receive regular updates, sign up and respond to the confirmation email:

- Building Standards: [www.energy.ca.gov/title24/orc/](http://www.energy.ca.gov/title24/orc/)
- Blueprint Newsletter: [www.energy.ca.gov/efficiency/blueprint/](http://www.energy.ca.gov/efficiency/blueprint/)
Fewer and Simpler Nonresidential Forms

One of the Energy Commission’s goals is to reduce the number of compliance documents (forms). The 47 prescriptive nonresidential certificates of compliance (NRCC) are being cut to 10 forms. There will be one form for each building component – lighting, envelope, mechanical, etc. This lessens confusion about when to use which form.

These simplified forms incorporate dynamic features. Each form follows a similar format and offers similar features, simplifying completion and review.

Five dynamic forms have already been posted for:

» Electrical Power Distribution
» Outdoor Lighting
» Indoor Lighting
» Sign Lighting
» Solar Ready

The five forms that will be posted in the future are for:

» Commissioning
» Envelope
» Covered Processes
» Mechanical
» Water Heating

Simplified 2016 Power Distribution and Solar Ready Forms

Two simplified forms are now available to document compliance with the nonresidential electrical power distribution (ELC) and solar ready (SRA) requirements. These forms simplify the compliance process for everyone involved including the contractor, plans examiner, and building department. They are project specific and expand and contract based on the project scope – reducing the total number of pages of forms for most projects.

New features include:

» One signature block
» Table C – Compliance Results give a quick check of the inputs on the first page and will indicate if the project “COMPLIES”
» User selections limit drop-down menus and table options to guide users toward compliant designs
» Hyperlinks to the Energy Code

The new NRCC-ELC-E and NRCC-SRA-E are available now.

Enforcement agencies may continue to use the static forms at their discretion.

CBECC-Res FAQs Updated

Do you have questions about CBECC-Res, the free residential compliance software from the California Energy Commission (Energy Commission)? The Commission publishes Frequently Asked Questions (FAQs) about CBECC-Res that addresses hot topics related to the software. The FAQs were recently updated and include seven new questions and answers.
Thank You, LBO and City of Chico!
The Energy Commission sends a big THANK YOU to the Local Building Officials (LBO) and the City of Chico. LBO worked with the Energy Commission to organize a series of seven classes on the 2016 Energy Code. The classes covered residential envelope, the benefits of modeling, nonresidential lighting, and more.

The City of Chico hosted and promoted these free classes. Attendees included building officials, building department staff, contractors, designers, and energy consultants. Several of these classes provided students with free International Code Council (ICC) Preferred Provider continuing education units.

Is your jurisdiction interested in hosting Energy Code classes? If so, contact the hotline for more information.

Covered Processes Quick Reference Guide Available
Do you know when compliance with the Energy Code is triggered for covered processes? The Energy Commission has released the Covered Processes Quick Reference Guide. This handy guide tells you when compliance is required, what equipment is covered, and if acceptance testing must be completed.

Rebuilding After Disasters
The Energy Commission gets a lot of questions about which code cycle must be met when rebuilding after a disaster. Per Section 100.0(a)2, the code that is in effect on the date you apply for a building permit is the code that must be met. Any building permit application submitted on or after January 1, 2017, must meet the 2016 Energy Code.

For more information, please see Energy Code Ace’s Recover and Rebuild fact sheet.

Presentations Posted
Seven 2016 Energy Code presentations are available for download from the Online Resource Center.

The information in these presentations include:

» Covered Processes » Lighting
  » Envelope  o Nonresidential
    o Cool Roofs  o Residential
    o Residential  » Water Heating
  » HVAC  o Residential
    o Nonresidential

Regulatory Advisory
The Energy Commission has issued a regulatory advisory regarding manufactured fenestration (windows, skylights, and glass doors) labels. There are only two types of acceptable labels – National Fenestration Rating Council (NFRC) labels, or labels that use default values. The advisory reviews labeling requirements and provides samples of acceptable labels, per the requirements of Sections 10-111 and 110.6.

Accessory Dwelling Units
Accessory dwelling units (ADUs) are most commonly defined as secondary dwelling units on residential lots. They can be used to house family (also known also as granny or in-law units), visitors, or even as rental properties to supplement income. ADUs, like all other residential structures in California, are subject to the Energy Code.

In most instances, when complying with the 2016 Energy Code, ADUs are considered additions. Additions are changes to a building that increase conditioned floor area and conditioned volume. The only scenario where an ADU would be considered a newly constructed building is if it was a new structure and shared no common walls with the existing building. This means that for compliance with the Energy Code, attached ADUs, as well as converted existing structures, are considered additions.

This issue of Blueprint includes frequently asked questions about ADUs. For more information on ADUs, visit the California Department of Housing and Community Development’s website.
Q&A

Accessory Dwelling Units

When an existing attached unconditioned structure (like a garage) is converted to an ADU, is it an addition or a newly constructed building?

This is an addition. See Figure 1 for an illustration of this example.

Figure 1 - Existing house, attached garage being converted to an ADU

When an ADU is built new sharing a common wall with the existing house, is it an addition or a newly constructed building?

This is an addition. See Figure 2 for an illustration of this example.

Figure 2 - Existing house, newly constructed attached ADU

When an existing detached unconditioned structure (like a garage) is converted to an ADU, is it an addition or a newly constructed building?

This is an addition. See Figure 3 for an illustration of this example.

Figure 3 - Existing house, detached garage being converted to an ADU

When an ADU is built new and is detached from the existing house, is it an addition or a newly constructed building?

This is a newly constructed building. This building would need to meet the requirements as a new building. See Figure 4 for an illustration of this example.

Figure 4 - Existing house, newly constructed detached ADU

When an existing unconditioned structure (like a garage) is converted to an ADU, what requirements do the existing walls need to meet?

These walls are treated as “wall extensions,” and can meet the insulation requirements based on their existing dimensions, as described in Sections 150.2(a)1Ai and 150.2(a)1Bii. This requires R-15 in 2x4 framing, and R-19 in 2x6 framing.

Do the whole building ventilation requirements apply to ADUs that are additions?

The whole building ventilation requirements apply to additions that are greater than 1,000 square feet. While not required, it is recommended that the whole building ventilation requirements be met for new dwelling units. All other applicable ventilation requirements must be met. For example, if a bathroom or kitchen is part of the addition, the local exhaust requirements for those spaces must be met. More on local exhaust requirements can be found in Section 4.6.5 of the 2016 Residential Compliance Manual.

Residential Performance Modeling and HERS Verification

I’m modeling a residential addition. The project includes quality insulation installation (QII), which requires home energy rating system (HERS) verification. Existing heating, ventilation, and air conditioning (HVAC) equipment will be used and less than 40 feet of ducting will be added.

My project only requires HERS verification for QII. Why does the HERS Feature Summary on my certificate of compliance (CF1R) state:

» Refrigerant charge verification required if a refrigerant containing component is altered
» Duct sealing required if a duct system component, plenum, or air-handling unit is altered

These two statements do not indicate that these verifications are required. They are meant to remind the builder that additional HERS verifications may be required depending on the scope of the project.

Some scopes are not covered in the performance report. For example, an air conditioner compressor is moved to a new location to accommodate an addition. This typically requires the replacement of portions of the refrigerant line or the installation of a new section of line. In some cases, an entirely new refrigerant line is installed. Per the requirements of Section 150.2(b)1Fib, the alteration of a refrigerant containing component, in climate zones 2 and 8-15, triggers refrigerant charge verification. The needed verification is identified on the certificate of installation (CF2R-MCH-01-E).

For more information on residential modeling, visit your software vendor’s FAQ web page.

For more information on residential modeling, visit your software vendor’s FAQ web page.
LED Trim Kits
Does an LED trim kit, like the one in Figure 5, need to be tested for elevated temperature and marked JA8-2016-E?

No. LED trim kits do not need to be tested for elevated temperature or marked JA8-2016-E. LED trim kits (also called solid state lighting [SSL] downlight retrofit kits) are classified as luminaires, even though they are inserted into existing housing (can). When LEDs are inseparable from the kit, the kit is tested as a luminaire. The elevated temperature test does not apply to luminaires. The Energy Code classifies these kits as luminaires.

For reference, the 2016 Energy Code defines an inseparable SSL luminaire as:

“A luminaire featuring solid state lighting components such as LEDs and driver components which cannot be easily removed or replaced by the end user, thus requiring replacement of the entire luminaire. Removal of solid state lighting components may require the cutting of wires, use of a soldering iron, or damage to or destruction of the luminaire.”

Insulating Refrigerant Lines
Do refrigerant lines, also referred to as suction lines, for low-rise residential mini-splits have to meet the ¾” insulation requirement in TABLE 120.3-A?

Yes. Suction line insulation for all residential HVAC systems, including mini-splits, must meet the ¾” thickness requirement.
Title 24 Part 6 Essentials

Training Courses

The California Statewide Codes & Standards Program

Here to help you meet the requirements of Title 24, Part 6 and Title 20

We offer FREE
• Trainings
• Tools
• Resources

All designed to improve compliance with California’s building and appliance energy efficiency standards and lock in long-term energy savings.

EnergyCodeAce.com

DATE • TIME LOCATION INSTRUCTOR REGISTRATION

Residential Standards for Plans Examiners and Building Inspectors

February 21 • 8:30 - 4:30 Orange Bruce Cheney barbie@aae-hers.com
March 1 • 8:30 - 4:30 San Diego Bruce Cheney sde.com/eic/seminar
March 15 • 8:30 - 4:30 San Francisco Marina Chavez pge.com/energyclasses
March 20 • 8:30 - 4:30 Stockton Marina Chavez pge.com/energyclasses
March 21 • 8:30 - 4:30 Malibu Bruce Cheney barbie@aae-hers.com
March 28 • 8:30 - 4:30 Folsom Brian Selby pge.com/energyclasses
April 3 • 8:30 - 4:30 San Jose Marina Chavez pge.com/energyclasses
April 18 • 8:30 - 4:30 Fresno Marina Chavez pge.com/energyclasses
May 22 • 8:30 - 4:30 San Diego Bruce Cheney sde.com/eic/seminar
May 25 • 8:30 - 4:30 Napa Brian Selby pge.com/energyclasses
September 6 • 8:30 - 4:30 San Diego Bruce Cheney sde.com/eic/seminar
November 28 • 8:30 - 4:30 San Diego Bruce Cheney sde.com/eic/seminar

Nonresidential Standards for Plans Examiners and Building Inspectors

March 6 • 8:30 - 4:30 Newport Beach Bruce Cheney barbie@aae-hers.com
March 9 • 8:30 - 4:30 Santa Rosa Brian Selby pge.com/energyclasses
March 12 • 8:30 - 4:30 Watsonville Brian Selby pge.com/energyclasses
March 15 • 8:30 - 4:30 Folsom Brian Selby pge.com/energyclasses
April 9 • 8:30 - 4:30 Stockton Brian Selby pge.com/energyclasses
April 9 • 8:30 - 4:30 Fresno Brian Selby pge.com/energyclasses
April 15 • 8:30 - 4:30 San Diego Bruce Cheney sde.com/eic/seminar
May 3 • 8:30 - 4:30 San Jose Marina Chavez pge.com/energyclasses
May 22 • 8:30 - 4:30 San Francisco Gina Rodda pge.com/energyclasses
May 28 • 8:30 - 4:30 Napa Brian Selby pge.com/energyclasses
September 18 • 8:30 - 4:30 San Diego Bruce Cheney sde.com/eic/seminar
November 7 • 8:30 - 4:30 San Diego Bruce Cheney sde.com/eic/seminar

Standards & Technology for Residential Lighting

April 24 • 9:00 - 11:00 Stockton Gina Rodda pge.com/energyclasses
April 26 • 9:00 - 11:00 San Francisco Gina Rodda pge.com/energyclasses

Standards & Technology for Nonresidential Lighting

March 22 • 8:30 - 4:30 San Francisco Gina Rodda pge.com/energyclasses
May 24 • 8:30 - 4:30 San Jose Gina Rodda pge.com/energyclasses

Nonresidential Standards for Architects

March 13 • 8:30 - 4:30 San Francisco Martyn Dodd pge.com/energyclasses
April 17 • 8:30 - 4:30 Fresno Marina Chavez pge.com/energyclasses
June 26 • 8:30 - 4:30 San Jose Gina Rodda pge.com/energyclasses
June 27 • 8:30 - 4:30 San Francisco Gina Rodda pge.com/energyclasses

Software Training

DATE • TIME LOCATION INSTRUCTOR REGISTRATION

EnergyPro 7 Software for 2016 Title 24 Residential Compliance - Introduction
March 15 • 8:30 - 12:00 San Francisco Martyn Dodd pge.com/energyclasses
August 16 • 8:30 - 12:00 San Francisco Martyn Dodd pge.com/energyclasses
November 1 • 8:30 - 12:00 San Francisco Martyn Dodd pge.com/energyclasses

EnergyPro 7 Software for 2016 Title 24 Residential Compliance - Intermediate/Advanced
March 15 • 1:00 - 4:30 San Francisco Martyn Dodd pge.com/energyclasses
August 16 • 1:00 - 4:30 San Francisco Martyn Dodd pge.com/energyclasses
November 1 • 1:00 - 4:30 San Francisco Martyn Dodd pge.com/energyclasses

EnergyPro 7 Software for 2016 Title 24 Nonresidential Compliance - Introduction
March 14 • 8:30 - 12:00 San Francisco Martyn Dodd pge.com/energyclasses
August 15 • 8:30 - 12:00 San Francisco Martyn Dodd pge.com/energyclasses
October 31 • 8:30 - 12:00 San Francisco Martyn Dodd pge.com/energyclasses

EnergyPro 7 Software for 2016 Title 24 Nonresidential Compliance - Intermediate/Advanced
March 14 • 1:00 - 4:30 San Francisco Martyn Dodd pge.com/energyclasses
August 15 • 1:00 - 4:30 San Francisco Martyn Dodd pge.com/energyclasses
October 31 • 1:00 - 4:30 San Francisco Martyn Dodd pge.com/energyclasses

Classes added frequently
Please check EnergyCodeAce.com/training for all our up-to-date offerings

Register for a scheduled FREE class or contact us at energycodeace.com/content/training-request/ to bring a training to a location of your choice!

03/01/2018
Delivered online in real-time by an instructor.
Check EnergyCodeAce.com for registration information.

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduc.</td>
<td>to R.</td>
<td>Online</td>
<td>Martyn Dodd</td>
</tr>
<tr>
<td>May 2</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>May 29</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aug 29</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oct 29</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Delivered online in real-time by an instructor.
Check EnergyCodeAce.com for registration information.

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduc.</td>
<td>to R.</td>
<td>Online</td>
<td>Martyn Dodd</td>
</tr>
<tr>
<td>Feb 12</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mar 14</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aug 20</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oct 8</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Delivered online in real-time by an instructor. Classes are delivered in 3 parts, 1 each day in a series. Check EnergyCodeAce.com for registration information.

Nonresidential Standards for Energy Consultants

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar 6</td>
<td>9:00 - 12:00</td>
<td></td>
<td>Brian Seilby</td>
</tr>
<tr>
<td>May 29</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aug 7</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Nonresidential Modeling

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb 6</td>
<td>9:00 - 12:00</td>
<td></td>
<td>Martyn Dodd</td>
</tr>
<tr>
<td>May 24</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>July 17</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oct 23</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Residential Standards for Energy Consultants

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr 3-5</td>
<td>9:00 - 12:00</td>
<td></td>
<td>Brian Seilby</td>
</tr>
<tr>
<td>Jul 10</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sep 18</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oct 16</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Residential Modeling

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jul 31</td>
<td>Aug 2</td>
<td>9:00 - 12:00</td>
<td>Martyn Dodd</td>
</tr>
<tr>
<td>Oct 9</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dec 11</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Analyzing the CFIR (CA Fire Inspection Regulations)

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar 19</td>
<td>9:00 - 12:00</td>
<td></td>
<td>Martyn Dodd</td>
</tr>
<tr>
<td>Apr 16</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jul 9</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oct 15</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Residential Envelope and Solar Systems

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apr 5</td>
<td>9:00 - 12:00</td>
<td></td>
<td>Luke Morton</td>
</tr>
<tr>
<td>Aug 14</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oct 2</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nov 5</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Residential Mechanical Systems

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb 28</td>
<td>9:00 - 12:00</td>
<td></td>
<td>Brian Seilby</td>
</tr>
<tr>
<td>Apr 23</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jul 23</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sep 6</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nov 6</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Residential Modeling Tips

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar 9</td>
<td>9:00 - 12:00</td>
<td></td>
<td>Martyn Dodd</td>
</tr>
<tr>
<td>Jun 21</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aug 6</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dec 4</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mini Virtual Classroom™

Delivered online in real-time by an instructor.
Check EnergyCodeAce.com for registration information.

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar 5</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>May 21</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jul 2</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oct 29</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Live Webinar™

Delivered online in real-time by an instructor.
Check EnergyCodeAce.com for information and register at pge.com/energyclasses.

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar 30</td>
<td>9:00 - 11:30</td>
<td></td>
<td>Martyn Dodd</td>
</tr>
<tr>
<td>Sep 14</td>
<td>9:00 - 11:30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dec 7</td>
<td>9:00 - 11:30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Online Self-Study™

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb 6</td>
<td>9:00 - 12:00</td>
<td></td>
<td>Brian Selby</td>
</tr>
<tr>
<td>Apr 5</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jun 19</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aug 14</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oct 5</td>
<td>9:00 - 12:00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Online On-Demand Video™

Our new Title 20 Appliance Efficiency curriculum focuses on the essentials industry professionals and consumers need to know to use the California Energy Commission’s Modernized Appliance Efficiency Database System (MAEDBS). Access our video trainings on the following topics at: energycodeace.com/content/title-20-ondemand

- Title 20 Essentials: Making the Most of On-Demand Video Training
- Title 20 Essentials: Why Certification Matters
- Title 20 Essentials: Using MAEDBS for Manufacturers
- Title 20 Essentials: Using MAEDBS for Third Party Certifiers
- Title 20 Essentials: Using MAEDBS for Test Laboratories
- Title 20 Essentials: California Appliance Standards for Retailers, Distributors, Contractors, and Importers

Live Webinar™

Delivered online in real-time by an instructor.
Check EnergyCodeAce.com for information and register at pge.com/energyclasses.

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>LOCATION</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar 30</td>
<td>1:00 - 2:30</td>
<td></td>
<td>Martyn Dodd</td>
</tr>
<tr>
<td>Sep 14</td>
<td>1:00 - 2:30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dec 20</td>
<td>1:00 - 2:30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Title 20 Essentials: Making the Most of On-Demand Video Training

Title 20 Essentials: Why Certification Matters

Title 20 Essentials: Using MAEDBS for Manufacturers

Title 20 Essentials: Using MAEDBS for Third Party Certifiers

Title 20 Essentials: Using MAEDBS for Test Laboratories

Title 20 Essentials: California Appliance Standards for Retailers, Distributors, Contractors, and Importers

Go to EnergyCodeAce.com for upcoming topics, dates, times and to view recorded past events.

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

- **April 4**  
  ICC’s [Principles of Building Safety Webinar](https://www.iccsafe.org) 10–11:30 am PT. Earn 0.15 CEUs!
- **Apr 15–23**  
  Group A Code Action Hearings, [Columbus, OH (click here for info)](https://www.iccsafe.org). Now available online is the hearing schedule and complete list of proposed code changes. A live video feed will be available online for those who cannot attend the hearings in person. Join the conversation on social media using #2018codehearings.
- **April 18**  
  CALBO's 2018 Leadership and Advocacy Day
- **April 26**  
  [2016 CBC Essentials](https://www.iccsafe.org) in Oceanside, CA
- **April 30 – May 2**  
  County Building Officials Association of California Annual Conference (San Rafael)
- **May**  
  Building Safety Month. Theme: Building Codes Save Lives. [Download poster here](https://www.iccsafe.org). To learn more about the campaign, visit [www.buildingsafetymonth.org](http://www.buildingsafetymonth.org) #ICCBSM18 Please let us know if you have activities planned. The weekly themes are:
  - **Week One (May 1-5)**: “Partnering with Code Officials to Build Stronger, Safer Communities”
  - **Week Two (May 6-12)**: “Advancing Resilient Communities Through Science & Technology”
  - **Week Three (May 13-19)**: “Protecting Communities from Disasters”
  - **Week Four (May 20-26)**: “Safeguarding Our Water”
  - **Week Five (May 27-31)**: “Improving Education & Training Standards for a Safer Tomorrow”
- **May 3**  
  [2016 CRC Essentials](https://www.iccsafe.org) in Oceanside, CA
- **May 22**  
  Region I Membership Conference Call: [http://www.iccregion1.com/](http://www.iccregion1.com/)
- **Jun 4 -6**  
  2018 Chapter Leadership Academy in Denver. This is designed to help ICC Chapter officers learn best practices and share ideas on building successful chapters. Save the date! Sign up here.
- **Sept 24-25**  
  Permit Technician Institute in Brea, CA
- **Oct 21-31**  

Notes:

- The second episode of the new [ICC Pulse Podcast](https://www.iccsafe.org) has been released. In Episode 2, Beth Tubbs, ICC senior staff engineer shares insight on the Grenfell Tower fire in London last year and how the Code Council and others in the codes and standards community have responded. [Click to listen](https://www.iccsafe.org).
- **Jim Ellwood** is the Career Development Coordinator in the Government Relations department. He develops and runs ICC’s technical high school and community college training programs and its new Military Families Career Path Program. For more on Ellwood’s new position, [click here](https://www.iccsafe.org).
- **Value of the Code Official.** Visit our campaign webpage for valuable support materials accessed through links that provide sample slides and talking points for individuals to use as a guide when promoting and introducing the Value of the Code Official to a variety of audiences. [click here](https://www.iccsafe.org).
- **Check out ICC’s Safety 2.0!** Safety 2.0 is ICC’s signature initiative to welcome a new generation of members and leaders to the building safety profession.