



## June 9, 2020 Meeting Minutes

Redwood Empire Association of Code Officials

1007-B West College Avenue # 326 Santa Rosa, CA 95401

The June 9<sup>th</sup> meeting was held virtually on WebEx

### 1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

The meeting was called to order at 12:08 pm. by Jay Bradford, which was followed by the pledge of allegiance.

### 2. SELF INTRODUCTIONS (Officers, Guests, Members) skipped because list of attendees was on the screen. There were 28 members and guests in attendance.

### 3. APPROVAL OF MINUTES -

A motion to approve the March meeting minutes was made by Charles Lucas and seconded by Wayne Wirick. May meeting minutes were approved.

### 4. OFFICERS REPORTS

#### **President: Jay Bradford –**

The executive board meeting was held in May with current board members attending. We discussed the June 9th, 2020 meeting and using WebEx as our meeting platform for the virtual meeting.

We decided to have David Willoughby serve as technical administrator for the meeting so Jay could host the meeting.

#### **Treasurer: Steve Buffenbarger –**

Tax return for 2019 was completed by Maureen Lewis our tax consultant, reviewed by Steve and sent off to the State and Feds.

#### **May Account transactions summary:**

Checking beginning balance:	\$26,999.11
Deposits:	\$ .23 (interest)
Debits and Checks:	\$
Checking ending balance:	\$ 26,999.34

#### **Vice President: David Willoughby –**

- Verified checking account balance.

#### **Secretary: Steve Neely –**

No report.

#### **Past President: Charles Lucas –**

No report.

#### **No Program:**

### LIAISON REPORTS

#### **SCFPO:**

- Kemplen Robbins reported FPOs are conducting virtual meetings and have contracted with a local company to help produce some PSA's focusing on COVID, water safety and the Ready, Set, Go program. They will most likely have three other PSA's later this year with other pertinent subjects.
- Here is the first PSA: <https://www.youtube.com/watch?v=OLPAOy6hvWE>
- Contact Devon Gambonini [devong@cityofpetaluma.org](mailto:devong@cityofpetaluma.org) for further information.

**BayREN: Christine Condon –**

- Quarterly forum on benchmarking and energy efficiency labelling tools for local governments will be virtual this time.
- All previous forums have been archived and are accessible online.
- Released an on-demand training for heat-pump water heaters.
- Many other trainings online.
- Trainings can be arranged for jurisdictions implementing/considering Reach Codes.
- QII training in collaboration with Energy Commission available virtually soon.
- Contact Christine Condon at [Christine.Condon@sonoma-county.org](mailto:Christine.Condon@sonoma-county.org) for more information on all the above.

**ICC: Chris Ochoa –**

- Jay announced that Chris has been transitioned out of his position and Susan Dowdy will be replacing him as our ICC liaison. Susan was not able to attend today's meeting as ICC has furloughed their staff until June 15, 2020.

**CBOAC: Glenn Schainblatt --**

- CBOAC annual conference has been cancelled. They have secured Tenaya Lodge for next year's conference in early May. Officers will retain their current positions until then.

**CALBO:**

- Chapter Report was attached to the agenda for today's meeting and will accompany these minutes.
- Education weeks are currently scheduled for the end-of-the-year and into January of next year for San Ramon location.

**ICC Region 1: Charles Lucas –**

- No report.

**IAEI: Charles Lucas for Doug Hughes –**

- The annual meeting in Reno will be a virtual meeting only with the physical meeting postponed until next year. It will be a combination of Southwest and Northwest sections.
- Some progress has been made toward establishing a consolidated California chapter

**CSLB: Nancy Springer -**

**CEC: Amie Brousseau --**

- Business meetings are being held virtually with several local jurisdiction's Reach Codes being discussed at tomorrow's meeting.
- Working with Christine Condon on virtual trainings including one in July for QII.
- Staff are working from home with no date yet on when they will return to in-office operations.

**AIARE:** No Report

**CSI:** No report

**SMART: Doug Williams –**

- Fewer trains due to budget issues expected permanently.
- Please consult with Doug if projects appear to be in SMART right of way.

## 5. **NEW BUSINESS**

David Willoughby shared hints and tips to navigating the REACO website.

## 6. **OLD BUSINESS**

Audit report has been put on hold as REACO is not currently conducting business outside of meetings.

## 7. **LEGISLATIVE NEWS**

## 8. **CODE ISSUES**

- Open discussion on jurisdictional responses to COVID-19 limitations and potential solutions for maintaining Building Department services.
- **Rohnert Park: Jay Bradford -**
  - Public offices still closed.
  - Most staff working remotely
  - Mask use throughout City offices for staff that are there.
- **City of Santa Rosa: Jesse Oswald –**
  - PED has approximately 10 staff in-house presently, whereas, pre-COVID, staff was around 60.
  - Skeleton crew to respond to health-safety concerns.
  - Following all protocols established by the County Health Officer.
  - Public counters are still closed. Plan on aligning with County opening on or around July 6, 2020.
  - Increasing inhouse staff to 60% of former levels.
  - Acknowledged electronic plan review process as being cumbersome to initiate yet has potential for efficiencies in the future.
  - Will be using Camino virtual inspection software.
  - **In negotiations to acquire ePermitHub software for electronic plan review**
- **Sonoma County: Rob Spalding –**
  - The County has resolved not to return to paper format. It will continue to use electronic plan review and permit submittal/issuance.
  - virtual inspections continue. Rob acknowledged challenges of this approach and a desire to return to on-site inspections for many projects.
  - Will be using **ePermitHub** for electronic plan review.
- **City of Healdsburg: Steve Buffenbarger –**
  - Have provided bins outside of Building Department for plans and supporting documentation to be placed in for two-days prior to handling by staff.
  - No public counters open yet.
  - Conducting inspections and plan reviews.
- **City of Sonoma: Wayne Warrick –**
  - City Hall still closed except for one person at a time by appointment.
  - Site inspections being provided.
  - Providing electronic plan review
- **Petaluma: Charles Lucas –**
  - Some virtual inspections and in-person with social distancing.
  - Electronic plan review – hoping to move to a new software in July, but current situation has stalled those efforts.

- Much larger quantities of email communication created by not having a counter open to the public.
- City offices not to open until sometime in July.
- **Possible candidates for virtual inspections mentioned were:**
  - Water heater change outs
  - Reroofs
  - gas test
  - standing water shower pan test
  - Need for record retention protocols/policies and privacy issues around recording inspections mentioned, but not resolved.
- Steve Buffenbarger noted that all projects must complete the residential occupancy application checklist from 2019 California Green Building Code section 102.3 and commented that the HCD link at the bottom of the section is a bit misleading in that the hyphen between cal and green is really a dash. The correct link is on the REACO website
- Also, 2019 CBC section 1004.3 Multiple function occupant load is calculated independently for each function from table 1004.5. Certain buildings may look like A occupancies, such as wineries with tasting rooms, but upon further analysis could be classified as a B occupancy based on actual functional uses.

## **9. ADJOURNMENT**

The meeting was adjourned at 1:15 pm by Jay Bradford.

**The next meeting; July 7, 2020 via WebEx**

## ICC [Government Relations](#) Chapter Monthly Update – June 2020

Follow @ICC\_GR on [Twitter](#) for breaking news & announcements throughout the month

### **Code Council hosts virtual discussion on the effects of COVID-19 for Building Safety Month**

During Building Safety Month, the Code Council conducted a virtual discussion on the effects of COVID-19 on the building safety industry, hosted by Government Relations Senior Vice President Sara Yerkes. Panelists included a code official, home builder, architect and an expert on laborers' health safety. To view the recorded webinar along with other free webinars to help you navigate the pandemic, visit ICC's Coronavirus Response Center page [here](#).

### **Sustainability Membership Council posts daily Building Safety Month videos**

As part of its "Voices from Building Safety Month" series, the [ICC Sustainability Membership Council](#) unveiled daily videos on its [Twitter](#), [LinkedIn](#) and [Facebook](#) channels to examine the themes of Building Safety Month and how they intersect with safety, energy efficiency and sustainability, and training and education. These social media posts can be shared to serve as important reminders all year long. #BuildingSafety365

### **How much money will modern building codes save you?**

The Federal Emergency Management Agency announced that Florida and California's consistent adoption of the International Codes since 2000 will provide long-term average future savings of \$1 billion a year. By quantifying the avoided damage to buildings from flooding, hurricane winds and earthquakes the combined savings from these two states demonstrate the high value of adopting the International Codes for hazard mitigation as a return on investment. A part of the agency's "Building Codes Save: A Nationwide Study of Loss Prevention" study, full results are expected later this year. [Read more here](#).

### **FEMA's Carlos J. Castillo, Acting Deputy Administrator of Resilience, posts blog: Why should strong building codes matter to you?**

As we prepare for the upcoming hurricane season during the COVID-19 pandemic, Carlos J. Castillo, acting deputy administrator of resilience at FEMA, considers the importance of building codes and stresses that "one thing COVID-19 has reminded us is that home or essential office spaces are the places we may feel safest. It puts a finer point on why the structural safety of these places must be of the highest standard." [Read more](#) to find out how you can make a difference.

### **FEMA releases COVID-19 operational guidance for the hurricane season**

As a result of the COVID-19 pandemic, the nation is facing unprecedented challenges as it prepares for the 2020 hurricane season. The Federal Emergency Management Agency (FEMA) released the COVID-19 Pandemic Operational Guidance for the 2020 Hurricane Season to help federal, state, local, tribal and territorial officials; emergency managers and public health officials respond to hurricane-related disasters and the COVID-19 pandemic. [Read more here](#).

### **Code Council Annual Conference Update**

The Code Council's mission is all about safety and the continuing widespread threat of infection from the COVID-19 pandemic led the ICC Board of Directors to cancel this year's ICC Annual Conference. The conference and related events had been scheduled for October 10-14 in St. Louis, Mo. "For the past ten years, the Chief Executive Officer, staff and Board of Directors have worked hard to put the International Code Council in a strong position to withstand external factors that could impact the association. The association has built a resilient family of solutions for the building safety community," Wheeler said [in a media statement](#). "Given the health concerns for large gatherings, a possible resurgence of the virus in the fall, and declining budgets for many building safety departments, the Board felt this was the best

decision for keeping our members and staff safe. We know that many of you rely on our conference for your annual training needs. We are exploring ways to expand our virtual educational offerings.”

### **Supreme Court decision bolsters the Code Council's copyright case, rejects UpCodes' defense**

The U.S. Supreme Court expressly rejected UpCodes' defense that the International Codes are not copyrightable because they are adopted by various governmental authorities and have the force of law. The Supreme Court case, *Georgia v. Public.Resource.Org.*, considered whether Georgia could claim copyright in annotations to the Georgia code. While the author of a work owns the copyright upon creation, there is a narrow exception to this rule called the government edicts doctrine. The Supreme Court made clear that under the government edicts doctrine “copyright does not vest in works that are (1) created by judges and legislators (2) in the course of their judicial and legislative duties.” The Supreme Court concluded that the annotations to the Georgia Code met the two-part government edicts test, and thus, were not copyrightable. The I-Codes do not meet either requirement of the government edicts doctrine – the codes were developed by the Code Council, a private, nonprofit organization that has no judicial or legislative function. The Supreme Court decision confirms that the I-Codes are entitled to copyright protection. [Read more here.](#)

### **NIBS' Whole Building Design Guide puts the spotlight on ICC's Coronavirus Resource Center webpage**

The [Whole Building Design Guide](#), sponsored by the National Institute of Building Sciences, is now featuring [ICC's Coronavirus Resource Center page](#) on the homepage. WBDG is a widely accessed tool within the building industry, getting over 600,000 unique visitors a year. In addition to the feature on the homepage, WBDG also features many ICC resources in its COVID-19 Resource Center. The National Institute of Building Sciences developed the WBDG-Whole Building Design Guide to foster communication and knowledge-sharing among federal, industry and academic partners to advance high-performing facilities. You can keep up with the latest on ICC's Coronavirus Resource Center page by [clicking here](#).

### **Code Council offers an analysis as building officials consider the use of virtual and remote inspections**

Code departments are adapting to ensure that they can continue to perform their public safety mission while protecting code officials, the construction workforce and the public at large from the spread of COVID-19. [Here are some important considerations](#) and a set of potential solutions for jurisdictions.

“**Recommended Practices for Remote Virtual Inspections**” (RVI) is a comprehensive resource developed to assist local jurisdictions and the building industry with implementing a remote inspection program. An alternative to on-site inspections, RVI can be combined seamlessly with online permitting and electronic plan review allowing jurisdictions to offer a complete program of services utilizing the latest technology. [Read more](#) or [download now](#)

### **ICC Government Relations' Steve Jones issues compelling essay on essential value of building codes**

Sentiment is growing from Washington, D.C., to city halls and neighborhoods about the value of building codes as the foundation to a growing local economy and for public safety. Former ICC Board President and now Government Relations Senior Regional Manager Steve Jones states the case clearly. “From superstorms to fires and floods, over 62 million people worldwide were impacted by extreme weather in 2018, according to a recent report by the United Nations. In the United States alone, this rise in extreme weather events is having a devastating effect. Researchers at National Oceanic and Atmospheric Administration estimate the cost of damage in the U.S. over the last five years has been approximately \$500 billion. Now more than ever, it is imperative that buildings and structures are designed and built using the most up-to-date building codes to allow for maximum safety, resilience and sustainability,” Jones writes in the Building Safety Journal. [Read and distribute this essay to your city and state leaders.](#)

### **Considerations for safely reopening the workplace following the COVID-19 pandemic first wave**

After months of safe distancing, quarantines, layoffs, furloughs and work stoppages to protect the safety of the public and Americans at work, the process of reopening workplaces and America's economy is

getting started. The Code Council staff has some insights which should interest our members and employees in the built environment. [Read here](#).

### **2020 edition of ICC-700 National Green Building Standard is now available for free download**

The 2020 edition of the ICC-700 National Green Building Standard (NGBS) has been approved by the American National Standards Institute (ANSI) and is available for public use. Having been developed over the past three years, this latest NGBS installment expands the scope of applicable building occupancies, keeps abreast of new technologies and advances the standard's tradition as the industry benchmark for residential projects designed and built for high performance. [Read more here](#).

### **2019 Group B Appeals**

The Code Council's code development process stands as a shining example of codes and standards developed in the private sector and meets the fundamental principles of OMB Circular No. A-119 — Executive Order (Federal Participation in the Development and Use of Voluntary Consensus Standards and in Conformity Assessment Activities). A key principle of the circular is an appeals process. In accordance with Section 12.1 of CP 28 *Code Development*, the International Code Council has received six appeals on the 2019 Group B Final Action results which were posted on April 8, 2020. The appeal deadline was May 8 and based on the cross-over of many of the code changes cited in the appeals, the Code Council Board of Directors has granted a 45-day extension of the 30-day deadline enumerated in Sections 4.1 and 6.1 of CP 1 in order for staff to properly coordinate and correlate the processing of the appeals. A webpage is available to serve as the notification vehicle and repository for all documents related to the processing of the appeals in accordance with CP 1 Appeals. [Read more](#).

### **Funding Available to Support Virtual Capabilities**

Code departments across the country are working to develop the virtual capabilities necessary to continue their essential functions, support the construction activities we need to advance our economic recovery, and abide by public health requirements. With resource constraints a chief impediment to departments' efforts to going virtual, it's great to see leaders, like the [Virginia Department of Housing and Community Development](#), providing resources to localities that need it to access now virtual education/certification requirements and electronic code books. CARES Act funding can supercharge these efforts (resources on that available here: <https://lnkd.in/esG2XBW>).

### **Deadline is extended until June 30 for the ICC Innovation in Code Administration Award**

The International Code Council's **Innovation in Code Administration Award** recognizes fire and building departments for innovation in the delivery of code administration services to their communities. Sponsored by the [ICC Government Relations Department](#), the [International Association of Fire Chiefs Fire and Life Safety Section](#), and the [National Association of State Fire Marshals](#), the Innovation in Code Administration Award recognizes fire and building departments for new and innovative approaches to delivering code administration services as part of their overall approach to [Community Risk Reduction](#). The deadline to submit an application for the 2020 Innovation in Code Administration Award is **June 30, 2020**. Email completed applications to: [InnovationAward@iccsafe.org](mailto:InnovationAward@iccsafe.org). Click [here for an application](#).

### **Here's how the International Plumbing Code addresses the disinfection of a building water system**

Ensuring the safety of building water systems has always been a priority in the International Plumbing Code (IPC). At construction sites pipe and pipe fittings are exposed to a variety of pollutants and contaminants from manufacturing, to the handling and installation of the components that make up a water system. Taking a closer look at how the IPC addresses the disinfection of a building water system, Section 602.3.4 requires that after construction, the individual water supply system shall be purged of deleterious matter and disinfected in accordance with Section 610. Section 610 takes it a step further and mandates the purging and disinfection of the system. [Read more here](#).

### **ICC's Wildland-Urban Interface Code gains traction in Texas and gets adopted by the City of Austin**

The ICC code which focuses on regulating building codes to protect structures against wildfires will work in conjunction with the efforts of the Austin Fire Department to develop and implement fuel mitigation



strategies. After years of planning and preparation, the Austin City Council recently unanimously adopted the Wildland-Urban Interface Code. [Read more here.](#)

### **Feedback from ICC members sought on residential solar energy system permit applications**

To better understand how we can support our members, the Code Council is [seeking feedback](#) on the topic of residential solar energy system permit applications and the proposed SolarApp approach. Here's a [brief survey](#) to help ICC understand how widespread these permitting challenges have become, and your thoughts on whether something like the SolarApp portal can help to address it. We welcome the feedback of Governmental Members. [Read more here.](#)

### **Floods, fire and high winds call for the need for more volunteers to the Disaster Response Alliance**

The [International Code Council](#) and the [National Council of Structural Engineers Associations \(NCSEA\)](#) are calling on members, stakeholders and communities that the [Disaster Response Alliance](#) maintains a national database of skilled, trained and certified building safety professionals who are standing by and ready to assist communities in need. Federal, state, local, tribal and territorial entities may [request assistance](#) online, and the Disaster Response Alliance has assembled a cadre of skilled code officials, engineers and others from across the country who are willing to assist with post-disaster safety assessments, building damage assessments, inspections, and provide surge support for other code-related functions. The Disaster Response Alliance is always [looking for volunteers](#). Architects, engineers, code officials and other building safety professionals willing to make a difference during times of disaster are encouraged to apply. The Disaster Response Alliance is also looking for individuals with specialized skills, knowledge or abilities such as plans examiners, permit technicians and building inspectors. Volunteers must have certification from the International Code Council's **When Disaster Strikes Institute**, the California Governor's Office of Emergency Services (Cal OES) Safety Assessment Program, or training on the ATC-20 and ATC-45 standards from the Applied Technology Council.

### **Upcoming from the [ICC Learning Center](#): Institutes, virtual training, seminars, webinars, etc.**

Online learning is available from the ICC Learning Center. Find course listings you'd like to attend in the [Learning Center](#) using the Search function. Single-day training events are an opportunity to focus on topics to ensure your code knowledge stays up to date, and currently seminars offer a Virtual Classroom option so you can participate in the event from any location with an internet connection.

Check out the upcoming virtual learning and webinar offerings here:

**Virtual landing [page](#)**    **Webinar landing [page](#)**





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## Chapter Report Summer 2020

### **Upcoming CALBO Events:**

**All CALBO events through July 1, 2020 have been postponed due to COVID-19**

CALBO's 2020 Annual Conference (Carlsbad) – RESCHEDULED to October 4-7, 2020

Building Officials Leadership Academy (Ontario) – RESCHEDULED to October 19-22, 2020

CALBO Education Week South (Ontario) – October 19-22, 2020

CALBO Education Week Orange County (Newport Beach) – December 14-17, 2020

CALBO Education Week North (San Ramon) – RESCHEDULED to January 25-28, 2021

CALBO's 59<sup>th</sup> Annual Business Meeting (Sacramento) – March 7-11, 2021

### **Upcoming Industry Events:**

League of California Cities Annual Conference (Long Beach) – October 7-9, 2020

CANCELLED - ICC Annual Business Meeting (St. Louis, MO) – October 11-14, 2020

IAPMO Annual Conference (Charlotte, NC) – September 13-17, 2020

### **CALBO GOVERNANCE**

- **All CALBO events scheduled for June have been postponed. CALBO encourages all members and industry professionals to heed all advice of federal, state and local health department officials to stay safe and well.**
- We are living in changing times, and CALBO has done its best to adapt to our new circumstances surrounded the COVID-19 pandemic. CALBO is fully operational, albeit remotely, through this “stay in place” period, so do not hesitate to reach out via phone or email should you need assistance.
- CALBO reminds all members that the Listserve is a great way to stay connected with your professional peers.
- CALBO held its first virtual Annual Business Meeting on April 8, 2020. The ABM was held to provide organizational updates and elect the 2020-21 Board of Directors. Nearly 200 people were in attendance, with 62 voting members present.
- Shane Diller (Elk Grove) was elected President; David Gonzalves (Loma Linda) was elected First Vice President; Brad Wungluck (Manteca) was elected Second Vice

President; Sharon Goei (Milpitas) was elected Immediate Past President; Victor Cuevas (Los Angeles), Jesse De Anda (Beverly Hills) and Andrew Stuffer (Santa Barbara) were all elected to two-year terms on the Board of Directors.

- The CALBO Board continues to meet remotely, but is still committed to moving association business forward.
- CALBO still would like to host an in-person conference that will focus on programs, education, industry partners and social opportunities. CALBO has made arrangements to host our annual conference October 5-7, 2020 at the Park Hyatt Aviara Resort in Carlsbad (San Diego area). This is an exceptional location and an enhanced opportunity to come together after a long period of quarantine and social distancing.
- **For all members and guests who registered for the postponed ABM in Indian Wells, no action is needed on your part.** Your registration has been transferred to the October conference.
- Rooms are available for the Annual Conference at the Park Hyatt Aviara Resort for the CALBO rate of \$199 per night.
- The 2020 conference program has been developed in conjunction with membership feedback and is available for viewing on the CALBO website. Three full education courses are also available for individual registration on Wednesday, October 7.
- In addition to the formal program, a social golf tournament will be held on Sunday, October 4 at the Aviara Golf Club.
- CALBO will also host a lively President's Dinner on Tuesday, October 6 with hot air balloons and food trucks.
- President Diller has chartered a new policy committee entitled Alternative Housing & Practices Committee to work with state legislators and local officials on reasonable and enforceable solutions. Interested persons should send their resume to [info@calbo.org](mailto:info@calbo.org) for consideration as a member of the committee.
- An advisory committee has been chartered of major jurisdictions with populations above 400,000. Recognizing the leadership role major jurisdictions play in their regions, CALBO hopes to support their efforts.
- Based on member feedback, the CALBO Board continues to work towards Board driven goals to include:
  1. Focus on legislation and advocacy at the state level
  2. Developing the next generation of code officials
  3. Education & training for the code change year
  4. Code development at all levels; national, state and local
  5. Input on tall wood structures (continued involvement in code change proposals)
  6. ISO surveys; research and share information on process and procedure
  7. Post disaster recovery toolkits & handouts

8. Advancement and promotion of the Building Official profession
  9. Creation and recording of CALBO history
- Each ICC California Chapter has been assigned an interim CALBO Board Member liaison. Board Member liaisons serve as the conduit between local chapters and the CALBO Board. Board Members will supply updates and attend meetings throughout the upcoming year. Given that the Board has not been able to meet yet this membership year, the liaisons are subject to change. The CALBO Board is committed to engaging as much as possible with chapters through this pandemic.
    1. CalBIG – Sharon Goei
    2. Central Coast – Bryan Spain
    3. Citrus Belt – Jesse De Anda
    4. County Building Officials – Mike Brinkman
    5. East Bay – Mike Brinkman
    6. Foothill – Victor Cuevas
    7. High Desert – Andrew Stuffer
    8. Los Angeles Basin – Victor Cuevas/Jesse De Anda
    9. Monterey Bay – Sharon Goei/Bryan Spain
    10. Napa/Solano – Shane Diller
    11. NorCal FPOs – David Gonzalves/Shane Diller
    12. Orange Empire – Victor Cuevas/Jesse De Anda
    13. Peninsula – Sharon Goei
    14. Redwood Empire – Brad Wungluck
    15. Sacramento Valley – Shane Diller
    16. San Diego – Board
    17. San Joaquin Valley – Mike Brinkman
    18. Shasta/Cascade – Shane Diller
    19. SoCal FPOs – Andrew Stuffer
    20. Ventura – Andrew Stuffer
    21. Yosemite – Mike Brinkman, David Gonzalves and Brad Wungluck
  - CALBO is seeking to serve as an information gathered for Code Development efforts at all levels. Given the vigilant work of the codes committees of regional (Tri) chapters throughout California, CALBO did not want to be in conflict with their efforts. CALBO has created a webpage to post and coordinate all California code change proposals. We hope this page, <https://www.calbo.org/node/1248>, will be a valuable tool for those attending the upcoming ICC hearings.
  - CALBO and ICC will again host a booth at the California League of Cities Expo, to be held in Long Beach October 7-8, 2020. The theme of the booth is local government outreach, building upon our joint successes in 2019.
  - CALBO launched our completely revamped [www.calbo.org](http://www.calbo.org) last year, which includes large enhancements to the registration portal designed for member ease. Initial

feedback on the design has been favorable. This project has been underway for over a year, and the CALBO Board is excited to share it with you.

- The Board is working on a few membership toolkits. The idea behind these toolkits is that template policies, ordinances, best innovative practices and procedures would be availed to the CALBO community as optional resources. Current toolkits under development include: innovative practices, internship programs, and seismic resiliency, inventories and procedures.
- The CALBO Board has continued its commitment to fiscal responsibility. Six percent of the 2020-21 year has been committed to reserve accounts, a practice that the Board plans to emulate each year.
- The CALBO Board has approved the following future ABM locations: Hyatt Regency Sacramento (March 7-11, 2021), Millennium Biltmore Los Angeles (March 27-31, 2022) and the Hyatt Regency Mission Bay/San Diego (March 5-9, 2023). The Hyatt Regency hotel chain has made a continued partnership viable ensuring that CALBO members receive reasonable overnight rates with the meeting space conducive to our needs.

### **EDUCATION & TRAINING**

- CTI is planning this year's Education Weeks in preparation for the continued adoption of the 2019 codes. Three Education Weeks will be held this year: Ontario (October 19-22, 2020), Newport Beach (December 14-17, 2020) and San Ramon (January 25-28, 2021). Registration is now available.
- The San Ramon Education Week was rescheduled to January 25-28, 2021, which takes the place of the event originally scheduled for September 2020. CALBO will host another Education Week in San Ramon in 2021 – scheduled for September 13-16, 2021.
- CALBO has started development on a new online delivery model. The concept is still in its infancy, but initial offerings are expected to begin in 2020.
- In 2019, large changes were made to the CALBO online training registration system based on feedback from membership. This new and improved system will serve jurisdictional needs across the state when registering staff for their CEUs.
- CALBO will continue to supplement Education Week training with independent offerings across the state. Registration is now available for Spring and Summer 2020 courses in Irvine, Moreno Valley, San Jose, Garden Grove, Glendale and Corona. CTI is currently planning additional courses for Fall and Winter 2020. Please visit the CALBO website under the "Training Dates and Registration" tab for a list of education opportunities throughout California. If a jurisdiction is interested in hosting a CALBO training, please contact Lauren Herman at [lherman@calbo.org](mailto:lherman@calbo.org).
- The 2020 BOLA class will meet in Southern California at the ICC Western Regional Office from August 17-21, 2020. A waitlist for next year's program in Sacramento is in place. Interested students should reach out to Lauren Herman at [lherman@calbo.org](mailto:lherman@calbo.org).

- CALBO has again collaborated with ICC to offer publications for the code change year; 2019 Significant Changes to the California Building Code and the 2019 Significant Changes to the California Residential Code. Both publications were jointly produced and the profits shared between the organizations. The publications are currently available through the ICC Bookstore.
- The CALBO Training Institute (CTI) is seeking new instructors and course developers. CTI will help you develop your speaking and listening skills, provide you an opportunity to co-teach with a seasoned instructor to gain hands-on experience in the classroom, learn how to create and implement a course plan, and utilize your knowledge to become a subject matter expert. Look for more information and an application in the upcoming 2020-21 CALBO Training Catalog. Contact Lauren Herman at [lherman@calbo.org](mailto:lherman@calbo.org) with questions.

### **CALBO PARTNERS**

- CALBO successfully launched the CALBO Partner Program in 2018 which offered annual packages granting special access to CALBO's Education Weeks and Annual Business Meeting Sponsor and Exhibitor Program. Due to its popularity, CALBO is once again offering exclusive sponsorship opportunities to its members. Sponsors can make one payment and streamline their participation in these events for the remainder of the year. Sponsorships run with the membership year: April 1 – March 31.
- CALBO would like to recognize the following companies for their participation in the new CALBO Partner Program. Thank you for your continued support and collaboration!
  - Gold Sponsors: CSG Consultants, Interwest Consulting Group, Optimum Seismic, 4LEAF, Inc, and Willdan Engineering.
  - Silver Sponsor: TRB + Associates
  - Bronze Sponsors: International Code Council and Shums Coda Associates
  - If you would like more information about this program or other advertising, exhibitor and sponsorship opportunities, contact Katie Almand at [kalmand@calbo.org](mailto:kalmand@calbo.org).

### **GOVERNMENT AFFAIRS**

- Up to the minute legislative updates, when the state legislature is in session, are always available to members at [www.calbo.org](http://www.calbo.org).
- The state legislature reconvened on January 6, 2020 for the second year of a two-year session.
- Due to the current Covid-19 restrictions, the legislature is out on recess which has suspended all legislative action and committee hearings. Lawmakers were supposed to return to the building on April 13, but this date has been pushed out to May 4 to reflect the governor's request to shelter in place until the end of the month.

- With this nationwide pandemic taking precedence, many legislators might postpone moving bills in order to prioritize the impacts of Covid-19. The Chair of the Assembly Appropriations Committee, Assemblymember Lorena Gonzalez, stated “Our focus with the budget is that other spending is going to have to be really limited.”<sup>1</sup> The most likely result will be the allocation of a majority of the state funds towards the current crisis, leaving minimal funds for other measures.
- Over 2,200 bills were introduced this year in addition to the hundreds of 2-year bills that carried over from 2019. CALBO continues to track close to 40 measures that affect issues such as seismic safety, wildfire recovery standards, and affordable housing.
- Following the veto of AB 2681 of last session, CALBO has sponsored AB 429 authored by Assemblymember Nazarian relative to seismic resiliency. The bill is currently in place, with CALBO having developed a local government coalition surrounding the measure, including the League of California Cities, the California State Association of Counties (CSAC), and the Rural County Representatives of California (RCRC). This bill was moved to the Inactive File in September, but will be reviewed in the months ahead. CALBO will continue to work with the author’s office.

## **LEGISLATIVE REPORT/BILLS OF INTEREST**

### **AB 429 (Nazarian) Seismically vulnerable buildings: inventory**

**CALBO Position:** *Support*

**Status:** Will be taken up again this year

**Summary:** This bill would require the Alfred E. Alquist Seismic Safety Commission, by specified deadlines, to identify funding and develop a bidding process for hiring a third-party contractor to create an inventory of potentially vulnerable buildings, as defined. The bill would require the third-party contractor, in conjunction with the commission, by July 1, 2022, to develop a statewide inventory of potentially seismically vulnerable buildings in 29 specified counties in California using information developed by local jurisdictions pursuant to the above-described provisions.

**Observations:** In 2018, CALBO opposed a similar bill by the same author. That bill was ultimately vetoed by the governor and died. Over the past year, CALBO worked with the author’s office and the Seismic Safety Commission to come up with a solution to our previous concerns. Unlike last year’s bill, AB 429 will specifically target 29 seismically prone counties in the state – rather than the whole state. Either federal grants or the General Fund, instead of

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<sup>1</sup> <https://www.latimes.com/politics/newsletter/2020-03-23/coronavirus-crisis-means-policy-efforts-california-legislature-fizzle-newsletter-essential-politics>



local funds, will also fund this bill. This program will not burden local building departments, as a third party will conduct the work.

**AB 1993 (Nazarian) Building codes: earthquake safety: functional recovery standard**

**CALBO Position:** *Support*

**Status:** Referred to the Assembly Appropriations Committee

**Summary:** This bill would require the California Building Standards Commission, by June 30, 2021, to assemble a functional recovery working group comprised of certain state entities and members of the construction and insurance industries, as specified. The bill would require the working group, by June 30, 2023, to consider whether a “functional recovery” standard is warranted for all or some building occupancy classifications, using specified criteria, and to investigate the practical means of implementing that standard, as specified. The bill would require the working group to advise the appropriate state agencies to propose the building standards, as specified. The bill would authorize the commission to adopt regulations based upon the recommendations from the working group for nonresidential occupancies. The bill would define “functional recovery” for purposes of these provisions, as specified.

**Observations:** This SEAOC sponsored bill is a revival of a similar bill from 2018 and 2019. It has been stopped in the Appropriations Committee in the past due to budgetary concerns. CALBO also opposed a past version of this bill as it contained restrictive language regarding the working group. That language has been removed, and CALBO supports the current language.

**AB 2168 (McCarty) Planning and zoning: electric vehicle charging stations: permit application approval**

**CALBO Position:** *Oppose*

**Status:** Referred to the Assembly Local Government Committee

**Summary:** Would require an application to install an electric vehicle charging station to be deemed complete if, 5 business days after the application was submitted, the city, county, or city and county has not deemed the application to be incomplete, as specified. The bill would require an application to install an electric vehicle charging station to be deemed approved if, 15 business days after the application was submitted, the city, county, or city and county has not approved the application through the issuance of a building permit or similar nondiscretionary permit, and the building official has not made findings that the proposed installation could have an adverse impact, as described above, and required the applicant to apply for a use permit.

**Observations:** This bill is sponsored by Electrify America, the producers and installers of electrical vehicle charging stations. CALBO has met with their staff to understand the intent of this bill and express our concerns. The sponsors have communicated frustration with local jurisdictions lack of compliance with [current law](#), and are sponsoring this measure in order to streamline the process even further. CALBO has reached out to its members to assess local



processes, and would like to approach local compliance with further education rather than more legislation. CALBO has collaborated our local government partners, The League of California Cities and Rural Counties Representatives of California, to develop a coalition letter to oppose the measure.



# *California Building Standards Commission*

## *May 2020*

This document provides recent California Building Standards Commission (CBSC) business highlights and items on the horizon. If you have questions or need further assistance, CBSC staff is available to assist by calling **916-263-0916**, or an inquiry may be emailed to [cbsc@dgs.ca.gov](mailto:cbsc@dgs.ca.gov). Our website is [dgs.ca.gov/BSC](http://dgs.ca.gov/BSC).

To receive meeting notices, information bulletins, quarterly newsletters and more, add your email address to the CBSC Mailing List at [dgs.ca.gov/BSC/Contact](http://dgs.ca.gov/BSC/Contact)

❖ **Who are we? Commissioner and staff...** [dgs.ca.gov/BSC/About](http://dgs.ca.gov/BSC/About)

Early in 2020 Commissioners Patel and Santillan were reappointed and Commissioner Stockwell was appointed as a public member. We currently have three commission vacancies: an Architect, a Contractor and a Public Member. New [Government Operations Secretary](#) Yolanda Richardson sits as the CBSC Chair.

❖ **Website overhaul and new URL and accessible documents...** [dgs.ca.gov/BSC](http://dgs.ca.gov/BSC)

In July 2019 all state agencies were required to only post ADA compliant documents pursuant to [AB 434](#) (Statutes 2017). While CBSC remediated many of its public facing documents, not all could be made accessible. If you need an older rulemaking document, information bulletin or an ordinance, please contact our office.

❖ **Errata (buff colored paper) for the 2019 edition of Title 24 was issued in December 2019 with a January 1, 2020 effective date. A second errata is scheduled for September 2020.** Remember to register with the publishers to automatically receive errata and supplement updates.

❖ **2019 Intervening Code Adoption Cycle (blue page supplements published January 1, 2021 with a July 1, 2021 effective date).** Proposed code actions (Supplements) are currently in the Public Comment phase of the 2019 Intervening Code Adoption Cycle.

- Summer and Fall 2019 – State agency workshops
- December 2, 2019 – 29 Rulemaking packages submitted to CBSC
- February and March 2020 – CBSC conducted four Code Advisory Committee meetings.
- March through June 2020 – 45-day and 15-day public comment phase: [dgs.ca.gov/BSC/Rulemaking/Intervening-Code-Adoption-Cycle2019/2019-Public-Comments](http://dgs.ca.gov/BSC/Rulemaking/Intervening-Code-Adoption-Cycle2019/2019-Public-Comments). PLEASE REVIEW THE RULEMAKINGS AND PROVIDE PUBLIC COMMENTS DURING THE 45-DAY OR 15-DAY COMMENT PERIODS. Support comments are just as important as oppose comments.
- July and August Commission action: [dgs.ca.gov/BSC/Calendars](http://dgs.ca.gov/BSC/Calendars). PLEASE PROVIDE PUBLIC TESTIMONY AT THE COMMISSION MEETINGS.
- Proposed code amendments include early adoption of 2021 IBC Tall Wood, clarify public housing definition, amend detectable warnings, increase electric vehicle infrastructure percentage for non-residential and school parking, retroactive permits, define accessory dwelling unit, special amusement areas (puzzle rooms), energy storage systems, elevator machine rooms and hoistway ventilation, Wildland Urban Interface roof coverings and vents, and hospital equipment earthquake safety.

❖ **2021 Triennial Code Adoption Cycle**

- IAPMO published the 2021 editions of the UPC and UMC March 2020
- ICC 2021 I-Codes scheduled to be published October 2020
- 2020 Fall – 2021 Winter workshops. PLEASE CONTACT STATE AGENCIES TO PARTICIPATE IN 2021 WORKSHOPS.

❖ **Other Resources, Guidebooks and Videos** [dgs.ca.gov/BSC/Resources](http://dgs.ca.gov/BSC/Resources)

- *Guide to Title 24* based on the 2019 edition
- *It's Your Building Department* (a guide for elected local officials)
- *Public Guide to the Building Standards Adoption Process*
- *Code Book Fundamentals*
- *2019 CALGreen Guide and Verification Guidelines – Nonresidential*
- Videos about: Title 24, CALGreen, Rulemaking, CBSC, and more at [dgs.ca.gov/BSC/Education-and-Outreach](http://dgs.ca.gov/BSC/Education-and-Outreach).



# Efficiency Division Updates

CALIFORNIA ENERGY COMMISSION

REACO ICC Monthly Meeting

June 2020

## Efficiency Division Updates

- The California Energy Commission (CEC) staff continues to work remotely.
- **Business Meetings Agendas and Minutes:**  
<https://www.energy.ca.gov/proceedings/business-meetings>
- Business Meeting on May 13: nothing to report for Efficiency Division.
- Next Business Meeting is June 10. The following items will be considered:
  - The local jurisdictions of the city of Richmond and the city of Hayward are applying for energy ordinances that exceed the energy efficiency requirements of the 2019 California Energy Code (Title 24, Part 6).
  - Proposed resolution approving the National Energy Management Institute Committee (NEMIC) nonresidential mechanical acceptance test technician certification provider update report for the 2019 Energy Code. This will allow NEMIC to administer its proposed program changes and training curricula adjustments for the 2019 Energy Code.
  - There will be a discussion of CEC progress on the Joint Agency Report, Charting a Path to a 100 Percent Clean Electricity Future, SB 100 (2018).

## Energy Standards Training and Events

- **Energy Commission training:** [www.energy.ca.gov/title24/orc/schedule\\_oe/index.php](http://www.energy.ca.gov/title24/orc/schedule_oe/index.php)
- **Energy Code Ace training:** [www.energycodeace.com/training](http://www.energycodeace.com/training)
- **PG&E training:** [www.pge.com/pec](http://www.pge.com/pec)
- **BayREN training:** [www.bayrencodes.org/services/trainings/](http://www.bayrencodes.org/services/trainings/)

## Energy Code Resources

- **Online Resource Center:** <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/online-resource-center>
- **Energy Standards Hotline email** [Title24@energy.ca.gov](mailto:Title24@energy.ca.gov) or call 800-772-3300

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

- **Blueprint Newsletter email list:** <https://www.energy.ca.gov/newsroom/blueprint-newsletter>
- **Building Standards email list:** <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards>
- **Appliance Standards email list:** <https://www.energy.ca.gov/rules-and-regulations/appliance-efficiency-regulations-title-20>

## 2022 Energy Code Pre-Rulemaking Utility Sponsored Stakeholder Meetings

- Visit the [California Energy Codes & Standards \(CASE\) website](https://title24stakeholders.com/) to review 2022 initiatives and participate in the development process stakeholder meetings:  
<https://title24stakeholders.com/>
- Visit the [CEC 2022 Energy Code web page](https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency) to stay up to date:  
<https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency>

## California Energy Commission 2022 Code Development Schedule

Estimated Date	Activity or Milestone
July 2019 - April 2020	Utility-Sponsored Stakeholder Workshops
April, 2020	All Initial CASE/PUBLIC Reports Submitted to Commission
April - August 2020	Commission-Sponsored Workshops
July, 2020	All Final CASE/PUBLIC Reports Submitted to the Commission
July - September 2020	Express Terms Developed
January, 2021	45-Day Language posted and set to list serve, Start of 45-Day review/comment period
January, 2021	Lead Commissioner Hearing
April, 2021	Adoption of 2022 Standards at Business Meeting
May - November 2021	Staff work on Software, Compliance Manuals, Electronic Documents
May - November 2021	Final Statement of Reasons Drafted and Approved
October, 2021	Adoption CALGreen (energy provisions) - Business Meeting
December, 2021	CBSC Approval Hearing
January, 2022	Software, Compliance Manuals, Electronic Documents Available to Industry
January - December 2022	Standards Training (provided by 3rd parties)
June 1, 2022	6 Month Statutory Wait Period Deadline
January 1, 2023	Effective Date



# Comply With Me

**NOW BOARDING FOR 2019!**  
Learn how to comply with California’s building and appliance energy efficiency standards  
**www.EnergyCodeAce.com** offers **No-Cost**  
Tools  Training  Resources to help you decode Title 24, Part 6 and Title 20

Looking for Energy Code Help You Can Use Without Leaving Your Desk?  
Check Out Our Offerings  
Now Available for the 2019 Energy Code

Tools (EnergyCodeAce.com/tools)	
<b>Reference Ace™:</b> Our tool designed to help you navigate Title 24, Part 6 Standards documents. Key word search capabilities along with hyperlinks allow you to jump directly to related sections to make using the Standards documents easier.	
<b>Forms Ace™:</b> Identify and print the forms you need for your project. And for 2019 NRCC forms, use our virtual assistant to help you complete your forms online and verify compliance.	
<b>Energy Code Product Finder:</b> Find Title 24, Part 6 compliant products. Get a list of products specific to your project which need to be certified to comply, example specification language and a link to the applicable product database.	
<b>Q&amp;Ace™:</b> Quickly find the answers to all your questions in our online knowledge base.	
<b>Timeline Ace™:</b> Use this interactive tool to learn about schedules for Title 24 and Title 20 code changes.	
Training Courses (EnergyCodeAce.com/training):	
Online On-Demand	Code & Coffee: Residential Modeling – 2019 Energy Code New Construction Project using EnergyPro 8
	Decoding 2019 Title 24, Part 6: Let’s Talk Healthcare Facilities
	Decoding EnergyPro: Let’s Talk Updates for 2019 Code – Nonresidential
	Decoding EnergyPro: Let’s Talk Updates for 2019 Code – Residential
	Decoding NRCC: Let’s Talk 2019 Nonresidential Dynamic Forms
	Decoding QII: Let’s Talk What’s Coming for HERS Quality Insulation Installation
	Decoding What’s New: Let’s Talk 2019 Title 24, Part 6 – Nonresidential
	Decoding What’s New: Let’s Talk 2019 Title 24, Part 6 – Residential
	2019 Title 24, Part 6: Where We’re Headed With the Nonresidential Standards
	2019 Title 24, Part 6: Where We’re Headed With the Residential Standards
Online Self-Study	2019 Title 24, Part 6 Essentials on Demand – Residential Standards & Technology: Building Envelope
	2019 Title 24, Part 6 Essentials on Demand – Residential Standards & Technology: Heating, Ventilation, and Air Conditioning
	2019 Title 24, Part 6 Essentials on Demand – Residential Standards & Technology: Solar Systems
	2019 Title 24, Part 6 Essentials on Demand – Residential Standards & Technology: Water Heating
	2019 Title 24, Part 6 Essentials on Demand – Residential Standards: Ventilation
	Residential and Nonresidential Energy Efficiency Concepts
Virtual Classroom	2019 Nonresidential CEA Exam Preparation Workshop – Modeling
	2019 Nonresidential CEA Exam Preparation Workshop – Multiple-choice
	2019 Residential CEA Exam Preparation Workshop – Modeling
	2019 Residential CEA Exam Preparation Workshop – Multiple-choice
	2019 Title 24, Part 6 Essentials – EnergyPro Software for Nonresidential Compliance - Intermediate/Advanced
	2019 Title 24, Part 6 Essentials – EnergyPro Software for Nonresidential Compliance - Introduction
	2019 Title 24, Part 6 Essentials – EnergyPro Software for Residential Compliance - Intermediate/Advanced
	2019 Title 24, Part 6 Essentials – EnergyPro Software for Residential Compliance - Introduction
	2019 Title 24, Part 6 Essentials – Nonresidential Indoor Lighting Compliance Pathways
	2019 Title 24, Part 6 Essentials – Nonresidential Indoor Lighting Controls
	2019 Title 24, Part 6 Essentials – Nonresidential Standards for Architects & Designers
	2019 Title 24, Part 6 Essentials – Residential Standards for Architects & Designers
	2019 Title 24, Part 6 Essentials – Nonresidential Standards for Building Inspectors
	2019 Title 24, Part 6 Essentials – Nonresidential Standards for Energy Consultants
	2019 Title 24, Part 6 Essentials – Nonresidential Standards for Plans Examiners
	2019 Title 24, Part 6 Essentials – Nonresidential: Introduction to Modeling
	2019 Title 24, Part 6 Essentials – Nonresidential: Modeling
	2019 Title 24, Part 6 Essentials – Residential Standards: Envelope & Solar Systems
	2019 Title 24, Part 6 Essentials – Residential Standards for Building Inspectors
	2019 Title 24, Part 6 Essentials – Residential Standards for Energy Consultants
	2019 Title 24, Part 6 Essentials – Residential Standards for Plans Examiners
	2019 Title 24, Part 6 Essentials – Residential Standards: Mechanical Systems
	2019 Title 24, Part 6 Essentials – Residential: Analyzing the CF1R
	2019 Title 24, Part 6 Essentials – Residential: Introduction to Modeling
	2019 Title 24, Part 6 Essentials – Residential: Modeling
	2019 Title 24, Part 6 Essentials – Residential: Modeling Tips

Training Courses (EnergyCodeAce.com/training):	
Webinar	2019 Residential & Nonresidential Energy Compliance: Let's Talk About Renewable Energy
	2019 Residential Energy Compliance: Let's Talk About Quality Insulation Installation (QII)
	2019 Residential & Nonresidential Energy Compliance: Let's Talk About HERS Measures
	2019 Residential Energy Compliance: Let's Talk About Design to Construction
	2019 Title 24, Part 6: Where We're Headed With the Nonresidential Standards
	2019 Title 24, Part 6: Where We're Headed With the Residential Standards
Resources (EnergyCodeAce.com/resources):	
Application Guides	Nonresidential Envelope and Solar Ready 2019
	Nonresidential Lighting 2019
	Nonresidential Process Equipment and Systems 2019
	Residential HVAC and Plumbing 2019
	Residential Lighting 2019
	Residential Envelope, Solar Ready and PV 2019
Checklists	Nonresidential – Plans Examiner - 2019
	Nonresidential – Building Inspector - 2019
	Residential – Building Inspector - 2019
	Residential – Plans Examiner - 2019
Fact Sheets	Healthcare Facilities 2019
	High-Rise and Low-Rise Multifamily 2019
	Just the Basics: HERS for Residential and Nonresidential Projects 2019
	Nonresidential Acceptance Testing 2019
	Nonresidential Building Commissioning 2019
	Nonresidential Cool Roofs 2019
	Nonresidential Daylighting and Daylighting Controls 2019
	Nonresidential Electrical Power Distribution (EPD) 2019
	Nonresidential Fenestration 2019
	Nonresidential Lighting Mandatory Controls 2019
	Nonresidential Opaque Envelopes 2019
	Nonresidential & Residential Permit Process 2019
	Residential Cool Roofs 2019
	Residential Domestic Hot Water (DHW) 2019
	Residential Fenestration 2019
	Residential High-Efficacy Lighting – Title 20 and Title 24, Part 6 JA8: Key Differences and Overlap
	Residential HVAC Alterations 2019
	Residential Lighting 2019
	Residential Opaque Envelopes 2019
	Residential Quality Insulation Installation 2019
	What's Changed for 2019 – Low-Rise Residential
	What's Changed for 2019 – Nonresidential, High-Rise Multifamily, Hotel & Motel
	What's New in 2019 Nonresidential Energy Code
	What's New in 2019 Residential Energy Code
	Quick Reference Sheet: Climate Zones – Compliance Baseline Low-Rise Residential, Zones 1&16 - 2019
	Quick Reference Sheet: Climate Zones – Compliance Baseline Low-Rise Residential, Zones 11, 12, 13 & 16 - 2019
	Quick Reference Sheet: Climate Zones – Compliance Baseline Low-Rise Residential, Zones 2, 3, 4 - 2019
	Quick Reference Sheet: Climate Zones – Compliance Baseline Low-Rise Residential, Zones 5, 6, 7, 8, 9 & 10 - 2019
	Quick Reference Sheet: Climate Zones – Compliance Baseline Low-Rise Residential, Zones 7, 10, 14 & 15 - 2019
	Quick Reference Sheet: Climate Zones – Residential Minimum Heating & Cooling Equipment Minimum Efficiencies 2019
	Quick Reference Sheet: Climate Zones – Short Glossary of Terms - 2019
Trigger Sheets	Commercial Refrigeration 2019
	Nonresidential Exterior Lighting 2019
	Nonresidential Fenestration 2019
	Nonresidential Interior Lighting Alterations 2019
	Nonresidential New HVAC: Simple and Complex Systems 2019
	Nonresidential Small Commercial HVAC Alterations 2019
	Residential HVAC Alterations 2019

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