



Meeting Agenda for June 19th, 2024
Redwood Empire Association of Code Officials
1007-B West COLLEGE AVE # 326 SANTA ROSA CA 95401

**REACO / SCFPO JOINT MEETING ON: June. 19th, 2024
HELD AT: Petaluma City Hall, City Council Chambers @
11 English St, Petaluma, Ca
MEETING START TIME IS 9:00 AM**

You can also join virtually through the Zoom link below.

<https://us02web.zoom.us/j/89981280903?pwd=nnEjLL3D4uF4xvELpBy9nY8a3jsd1L.1>

CALL TO ORDER and PLEDGE OF ALLEGIANCE

LIAISON REPORTS

SCFPO: Devon Gambonini –
ICC Rep: Karyn Beebe – See Attachments
CBOAC: Eric Seabrook –
CALBO: Doug Hughes –
CEC Rep: Gagandeep Randhawa – See Attachments
IAEI: Doug Hughes, Mike Stone –
BayREN: Christine Condon – See Attachments
SMART: Jennifer McGill –
RECSI: Carolyn Glanton –
ICC Region 1: Richard Angley – Renewed membership

PROGRAM

Emergency Responder Radio Coverage Systems Presentation Bob Luhrs, Pacific DAS

IWUI Adoption Discussion Round Table Discussion - OSFM

ADJOURNMENT – next meeting on August 6th 2024. The meeting location will be Charlies 1320 19th Hole Dr, Windsor Ca 95492 A meeting invite will be sent out later in the month for those attending virtually.

Housing affordability is the focus of joint ICC and HUD 2024 Innovative Housing Showcase June 6-9

The Code Council has again partnered with the U.S. Department of Housing and Urban Development (HUD) to support the 2024 Innovative Housing Showcase June 6-9 in Washington, D.C. The Code Council is hosting an educational session during the event titled *Avenues for Innovation: Insights from State and Local Governments and Manufacturers* on Thursday, June 6, from 11 a.m. to 12:30 p.m. ET. The panel sessions will be viewable online and in-person at the District Architecture Center. The Innovative Housing Showcase is a public event that raises awareness of innovative and affordable housing designs and technologies that can increase housing supply, lower the cost of construction, increase energy efficiency and resilience, and reduce housing expenses. The Showcase also features innovative housing solutions on the National Mall from June 8-9. To learn more or register [click here](#) and [also here](#).

Code Council's Training Department is expanding opportunities for 'When Disaster Strikes' training

Executing a resolution passed by the ICC Board of Directors last fall in St. Louis, Chapter leaders were recently notified of a new opportunity available only to them—the ability to license the Code Council's recently updated **When Disaster Strikes** (WDS) training material for their local, in-person use. To execute this nationwide initiative, our Training Department has completed the following steps:

- Welcomed Bill Bracken as the newest member of our Technical Training team in January of this year (leading our WDS initiative as a portion of his role).
- Completed update of the training material and delivered a trial WDS Train-the-Trainer event in Orlando during ICC's Leadership Week.
- Drafted the licensing agreement to be executed by participating chapters (which includes the Board approved fee of \$500).
- Developed instructor qualifications (included in the agreement) for guiding Chapter recruiting of local leaders to implement this opportunity.
- Scheduled an expanded WDS Train-the-Trainer event (October 24-25) to follow immediately after the ICC Annual Conference in Long Beach.

Here are several points about this Chapter initiative:

- It is only available to ICC Chapters, not additional Preferred Providers or other third-party trainers.
- The license is for in person delivery, not online to avoid conflict among the ICC community.
- The program includes copies of the WDS field guide for all participants at cost.
- ATC-20 & ATC-45 may be purchased for participants from ICC or directly from ATC.
- Chapters are allowed to charge participants a reasonable fee to recover their costs and fund chapter initiatives.
- Each participating Chapter may send up to two instructors to the Long Beach train-the-trainer event free of charge.
- ICC Training will continue to offer WDS sessions at market rates, including a self-paced version to be released later this year.

For more information, contact Karla Higgs (kphiggs@iccsafe.org). For questions about the WDS program in general, please contact Bill Bracken (wbracken@iccsafe.org).

FEMA and ICC co-host event aimed at promoting community resiliency through current building codes

Recently, the International Code Council and the Federal Emergency Management Agency (FEMA) hosted an event that brought together federal and state governmental stakeholders to discuss the progress made in advancement of modern building codes. The panel discussion, *Celebrating a "Mission Possible": A Building Safety Month discussion on progress of the White House National Initiative to Advance Building Codes*, marked the second anniversary of the government-wide effort to boost national resiliency and reduce energy costs through modern building codes. [Read more here](#).

JUNE 12 DEADLINE: ICC's Professional Development Council is seeking to fill four positions

The International Code Council is currently seeking new members for the Professional Development Council (PDC), which plays a vital role in shaping the ICC Credentialing program and/or the ICC Training program. If you have a passion for professional development and a desire to make a difference in the building safety industry, now is the time to apply. The application deadline is **June 12**. The PDC consists of two committees: the Certification Committee (CC) and the Education Committee (EC). Members are

appointed by the ICC Board of Directors for three-year terms. Currently, we have four positions open on the PDC (two for the CC and two for the EC). To learn more about the open positions and the duties and responsibilities of the PDC, [click here](#).

Code Council makes its 2021 International Codes available in Spanish in both print and digital formats

The International Code Council's [2021 International Codes](#)® (I-Codes) are now available in Spanish, in both print and digital formats. This release marks a significant step forward in promoting safety, accessibility, and innovation within the global construction industry. The 2021 Spanish editions of the I-Codes help facilitate the understanding of building safety provisions for Spanish-speaking communities around the world. Improving the understanding and accessibility of building codes elevates the quality of construction and ensures safety. [Read more here](#).

NOAA data predicts the 2024 hurricane season will be above normal with up to seven major events

The 2024 Atlantic hurricane season, which runs from June 1 through November 30, may be unfavorable according to forecasters at the [National Oceanic and Atmospheric Administration](#) (NOAA) Climate Prediction Center. With 70 percent confidence, [NOAA is predicting](#) an 85 percent chance of an above-normal season, a 10 percent chance of a near-normal season and a five percent chance of a below-normal season. Forecasters are predicting a range of 17 to 25 named storms, of which 8 to 13 could become hurricanes, including four to seven major hurricanes, designated as category three or higher on the Saffir-Simpson Hurricane Wind Scale. This hurricane season also features the potential for an above-normal West African monsoon, which can produce African easterly waves that create some of the strongest and longer-lived Atlantic storms. [Read more here](#).

Virgin Islands updates its International Codes from 2018 to 2024 and sets policy on new updates

Governor Albert Bryan Jr. of the U.S. Virgin Islands recently approved legislation that requires the adopted 2018 International Building Code® (IBC), International Residential Code® (IRC), International Energy Conservation Code® (IECC), International Fire Code® (IFC) and International Mechanical Code® (IMC) be updated to the 2024 editions. This also requires the territory to update all codes within six months of any new I-Code edition being published. [Read more here](#).

Code Council recognized as a recipient of the 2024 President's 'E' Award for its expansion of exports

The International Code Council was recognized as a recipient of the 2024 President's "E" Award ("E-for-Export") during a ceremony held at the U.S. Department of Commerce in Washington, D.C. This award is the highest recognition a person or U.S. entity can receive for making a significant contribution to the expansion of U.S. exports. Dominic Sims, CBO, Code Council CEO and Stuart Tom, President of the Code Council Board of Directors, attended the 63rd annual "E" Awards ceremony where they accepted the award on behalf of the organization. The primary criteria for the award is four years of successive export growth, usually accompanied by a rising percentage of export sales within total sales. [Read more here](#).

U.S. House subcommittee hearing focuses on lowering disaster costs through updating building codes

The U.S. House's Committee on Transportation and Infrastructure recently held a subcommittee hearing titled, *Disaster Mitigation: Reviewing the Effectiveness and Costs of FEMA's Resilience Programs*. Subcommittee members focused their attention on the costs and benefits of an increasing emphasis on mitigation through Federal Emergency Management Agency (FEMA) grant programs, such as the Hazard Mitigation Grant Program (HMGP), the [Building Resilient Infrastructure and Communities \(BRIC\) Program](#) and the Flood Mitigation Assistance (FMA) Grant Program. [Read more here](#).

Application period closes on June 14 for the 2024 Building Safety Leadership Experience

This enriching program offers members an exclusive opportunity to attend a series of Conference events where they will gain insights into Code Council governance and explore how membership fosters industry engagement, unlocks new opportunities and drives professional advancement. Participants will receive complimentary delegate registration and reimbursement for ground and air transportation plus lodging from October 19–24. The BSLE application period closes June 14. [Click Here](#) to apply.

FEMA's Guide provides managers with tools to enhance their climate resilience through strategies

The [Federal Emergency Management Agency](#) (FEMA) recently published the [Climate Adaption Planning: Guidance for Emergency Managers](#) to help state, local, tribal and territorial (SLTT) emergency managers integrate climate adaptation strategies into their community emergency management planning efforts. The guide seeks to address the evolving hazard landscape due to the increasing impacts of climate change and provide emergency managers with solutions to plan differently when assessing disaster risk and community resilience. Building codes are highlighted throughout the guide as an integral pillar of climate adaptation planning and pre-hazard mitigation. [Read more here.](#)



ICC Plumbing, Mechanical and Fuel Gas updates

PM Engineer would like to spotlight some 'Next Generation All-Stars' in its 'Top 20 Under 40 Contest'

Do you know a good candidate to spotlight in *PM Engineer's* contest focusing on up-and-coming plumbing industry under 40 years old? *PM Engineer* would like to highlight these "Next Generation All-Stars" in its "[Top 20 Under 40 Contest](#)." Any professional working in any aspect of the plumbing industry, including plumbing code officials, plumbers and pipefitters, contracting business owners, professional engineers and plumbing designers, wholesalers, manufacturers and manufacturers reps can be nominated. [Fill out this questionnaire to nominate a deserving individual](#). All winners will be profiled in upcoming editions of *Plumbing & Mechanical*, *PM Engineer* and *Supply House Times*. The deadline to submit nominations is **June 28, 2024**. Questions? Please contact *PM Engineer* Chief Editor Nicole Krawcke at krawcken@bnpmedia.com.

Aldrich is first female member, president of Rhode Island Master Plumber & Mechanical Association

When Brooklyn-born Melanie Aldrich first moved to Rhode Island, "it was rough because the codes were mostly made up and that was stressful," she recalled. But through her dedication and hard work, she became the Ocean State's first female plumbing inspector, and the first woman appointed to the state's [Board of Examiners of Plumbers](#). She was the only woman at her first meeting of the [Rhode Island Master Plumber and Mechanical Association](#), and 10 years later she still is, although she's also now the president. [Read more here.](#)

Code Council's PMG team met with industry stakeholders to examine water reuse provisions in codes

The [National Blue Ribbon Commission for Onsite Non-potable Water Systems \(NBRC\)](#) recently partnered with [WaterReuse](#) and the U.S. EPA, to host an Onsite Water Reuse Summit in Washington D.C. The Summit aimed to bring together experts and stakeholders to discuss and advance the adoption of onsite water reuse technologies and practices. Held in response to the [growing need for sustainable water management solutions](#), the Summit provided a platform for sharing knowledge, best practices and innovations in water reuse for various applications. The Water Reuse Working Group compiled extensive data and conducted a comprehensive review of the water reuse requirements in the [2021 International Plumbing Code®](#) (IPC) and [2021 International Residential Code®](#) (IRC) to determine what updates were needed to better address on-site direct potable water reuse in the 2027 versions of the IPC and IRC. [Read more here.](#)



ICC Evaluation Services updates

AVM Industries continues to choose the ICC Evaluation Service for proof of code compliance

The ICC Evaluation Service ([ICC-ES](#)) recently announced the successful transfers of multiple AVM Industries' Los Angeles Research Reports (LARRs) to ICC-ES. This transfer of LARRs to ICC-ES Evaluation Reports (ESRs) ensures AVM's uninterrupted compliance to the City of Los Angeles Building Code (LABC) and the City of Los Angeles Residential Code (LARC). ICC-ES is a trusted, reliable and accredited certification body accepted by the Los Angeles Department of Building and Safety (LADBS). [AVM Industries](#) is a leader in innovative approaches to waterproofing, methane and VOC barriers for below-grade and above-grade applications. Basements, plaza decks, balconies, planters, and green roofs have been waterproofed using AVM Systems. AVM's transfer of reports to ICC-ES reaffirms its commitment to excellence and continues to uphold its reputation for the quality, reliability, and code compliance of its products. [Read more here.](#)

ICC-ES offers streamline process from testing to product certification of materials, products and more
ICC Evaluation Service ([ICC-ES](#)) offers a streamlined process from testing to product certification for a variety of building materials, products, and assemblies. With a state-of-the-art facility, customized equipment, and expert staff that provides unparalleled customer service, ICC-ES provides a wide range of flammability and fire resistance testing capabilities to meet the requirements of relevant standards and codes. As one of the top fire testing labs in the U.S., ICC-ES leads the industry in Total Conformity Assessment Solutions. Our comprehensive product evaluation, testing, and inspection services provide building product manufacturers with high-quality technical reports that are sought after by code officials when approving or specifying products for installation. [Read more here.](#)



ICC Community Development Solutions update

These two free webinars for building officials shows you how to digitally transform your office

Are you ready to digitize your Building Department, find your necessary documents with a simple search, and/or use sorting templates to get organized? We will introduce the basic tools offered by Laserfiche. [Register Now](#) for Wed, July 17 at 1:30 p.m. ET. We also offer an **Overview of Municipity—DigEplan Software and Integration**. By integrating Avolve’s DigEplan™ with ICC CDS’s Municipity® permitting system, agencies of all sizes can benefit from a seamless and robust solution. Learn how this integration eliminates redundant workflows and manual processes, significantly enhancing productivity and reducing complexity in permit issuance. [Register Now](#) for this webinar on Wednesday, July 11 at 1:30 p.m. ET, co-hosted by ICC CDS and Avolve.



Agenda

Conference Oct. 20–23 ▪ Expo Oct. 20–21 ▪ Hearings Oct. 23–31

All events will take place at the Long Beach Convention Center unless otherwise noted

Long Beach Convention Center
300 East Ocean Blvd, Long Beach, CA 90802



Energy Code Related Updates

- **Business meeting agendas and recordings**
 - May 8 Business meeting:
 - Approved **local ordinance for City of Santa Cruz**
 - Nonresidential electric ready requirements
 - Minimum compliance margins for newly constructed single-family buildings without PV, nonresidential buildings, and multifamily buildings
 - Designated exterior location for future heat pump compressor in newly constructed single-family buildings using gas space heating
 - HPWH requirements in multifamily buildings
 - June 12 Business meeting: [agenda pending]
- **2025 Energy Code development** - see timeline on last page.
 - **Notice of Proposed Action**
 - **45-day Language** and **45-day Language Reference Appendices**
 - **Initial Statement of Reasons**
 - 15-day language coming soon
- **2025 CALGreen Part 11** development
 - **45-day Language: Appendices A4.2 and A5.2**
 - Comments due by July 1
 - **Lead Commissioner Hearing on June 5**
- Coming soon to the **Online Resource Center**
 - **Solar PV, Battery, ESS-Ready fact sheet** FAQs
 - New name and format
 - New hotline intake form
- **2022 Energy Code Software** updates approved
 - CBECC-Res 2022.3.1 - must use version 3.0 or newer
 - CBECC 2022.3.1 - must use version 3.0 or newer
 - EnergyPro 9.3
- Request for information on the **Building Energy Performance Strategy Report** required by SB48. Comments due June 26.
- Request for information on the **Flexible Demand Appliance Standards Report**. Comments due by July 3.
- The **Heat Pump Partnership** launched with the CEC, PUC, CARB, major CA utilities, heat pump manufacturers and other key stakeholders to help California achieve the state goal of 6 million heat pumps by 2030.

Energy Code Training and Events

- **Energy Commission training and events**
 - June 12 – CALBO Multifamily Indoor Lighting Requirements
 - June 12 – SVABO Permit Tech Committee
- **Energy Code Ace training**
 - June 4 - 2022 Nonresidential Compliance: EnergyPro Introduction
 - June 5 - 2022 Nonresidential Compliance: EnergyPro Advanced
 - June 6 - 2022 Single-family Compliance: Modeling Tips
 - June 11 – 13 - 2022 Single-family Compliance: Modeling
 - June 11 – 12 - 2022 Single-family Standards for Building Inspectors
 - June 18 - 2022 Residential Standards: Lighting
 - June 20 - 2022 Single-family Standards: Mechanical Systems
 - June 25 – 27 - 2022 Nonresidential Compliance: Modeling
 - June 26 - 2022 Single-family Standards for HVAC Contractors Designers & Estimators
 - June 27 - 2022 Single-family Standards for HVAC Contractor Installers
- **BayREN training**
 - June 12: **HERS Registry**
 - June 26: **Navigating the Energy Code**
- **3C-REN training**
 - June 12: **Energy Code Implementation – Multifamily**
- **I-REN training**
 - June 27: **QII**
- **SoCal REN resources**
- **PG&E training**
- **Southern California Edison training**
- **SoCal Gas education**

Energy Code Resources

- **Online Resource Center**
- Energy Code Hotline: **email** or call 800-772-3300
- **2022 Energy Code Compliance Software**
- **2025 Energy Code**
- **Local Energy Code resources**
- **Building and Home Energy Resource Hub**
- **Inflation Reduction Act Residential Energy Rebate Programs**

Receive regular updates via email

- **Blueprint Newsletter email list**
- **Building Standards email list**
- **Appliance Standards email list**
- **Federal IRA Residential Incentives email list**

2025 Energy Code Development Timeline

15-Day Express Terms Review	June 2024
2025 Energy Code Adopted	August 2024
2025 Compliance Manuals and ACM Reference Manuals Approved	Nov 2024
CASE Study Results Reports and CCSRs Complete	Dec 31, 2024
2025 Compliance Software Available to Public	Jan 1, 2025
2025 Standards Effective	Jan 1, 2026

2024 BayREN Energy Code Trainings & Events

<https://www.bayrencodes.org/events/>

BayREN Regional Forum: Commercial Conundrums and Successes in Building Decarbonization

Location: On-demand recording and materials

If you were unable to attend the live forum held via Zoom on June 5, 2024, the presentation materials, recording and Q&A log are now available on the BayREN Events web page.

Description: Commercial real estate varies in size, use, design, and tenant type. From neighborhood businesses to downtown office towers, this forum will explore the challenges and approaches to reducing energy use and greenhouse gas emissions. Are there simple solutions for small buildings or big box stores? Can the complex systems in large buildings transition to clean energy? What's holding back heat pumps in commercial kitchens? This free forum will help you learn about commercial systems and how local governments can support decarbonization.

Recording

[Forum Recording & Presentation Materials Link](#)

BayREN C&S Training: Navigating the Energy Code

Location: via Zoom

Date: Wednesday, June 26, 2024

Time: 9:00 am –10:30 am

Description: This course will review the context of the Energy Code and provide an overview of its structure, important supporting references and manuals, and how it addresses different types of buildings and projects, as well as mandatory measures and performance and prescriptive approaches.

Topics Covered: Introduction to California's Building Code and the Energy Code, the components and organization of Title 24, and review energy code compliance pathways for residential and nonresidential projects.

Target Audience: Building Department Staff

ICC CEUs: 0.1

[Webinar Registration Link](#)

BayREN C&S Training: How the Energy Code Treats Residential Electrification

Location: via Zoom

Date: Wednesday, July 10, 2024

Time: 9:00 am –10:30 am

Description: The 2022 Energy Code supports electrification to reduce greenhouse gas emissions. Electric appliances such as heat pump water heaters, heat pump space conditioners, and induction cooktops are impacted by different aspects of the building code as well as planning and zoning. With increased incentives and reach codes driving toward electrification, the projects submitted for permits may vary from previous business as usual upgrades. This class will focus on the energy and green building codes for residential as it relates to different electrification technologies.

Topics Covered: Discuss the current electrification landscape, learn about common technologies for an all-electric design, understand the opportunities to reduce emissions and how the 2022 Energy Code and other codes apply to all-electric buildings.

Target Audience: Building Department Staff

ICC CEUs: 0.1

[Webinar Registration Link](#)

BayREN C&S Training: Nonresidential Tenant Improvements and Alterations

Location: via Zoom

Date: Wednesday, July 24, 2024

Time: 9:00 am –10:30 am

Description: This course will discuss different elements of enforcing the nonresidential code for tenant improvements and alterations.

Topics Covered: Nonresidential Compliance Process Flow, what triggers a tenant improvement and alteration code requirement, best practices for code compliance, and specific requirements for lighting, mechanical and envelope improvement.

Target Audience: Building Department Staff

ICC CEUs: 0.1

[Webinar Registration Link](#)

BayREN Codes & Standards Resources for Code Compliance

www.bayren.org/local-government-resources/code-compliance

BayREN Codes & Standards makes it easier for building departments to understand and enforce state and local energy code requirements. The BayREN Codes & Standards team has put together training, tools, resources and best practices to support building departments with compliance and enforcement efforts.

Building Department Tools & Guides

Have building code requirements at your fingertips with these handy guides and tools, designed to help building department staff when reviewing applications or out in the field. [Building Department Tools & Guides](#)

Heat Pump Water Heaters – Download easy-to-reference code references for heat pump water heaters (HPWH). [HPWH guides](#)

Energy Storage Systems (ESS) - Explore policy and code compliance resources for energy storage systems. [ESS gov't resources](#)

Applicant Tools & Guides

Help contractors, homeowners and others prepare successful permit applications with easy-to-understand explanations of the code requirements for their projects.

Permit Guides - BayREN's guides for common building projects spell out energy code requirements in plain language. They are designed for distribution to applicants and available for download and can be customized for your jurisdiction. [Permit Guides](#)

Permit guides are available for the following:

- Residential Fenestration Alteration
- Residential Roofing
- Water Heating Alteration
- Nonresidential Re-Roofing
- Nonresidential Unitary HVAC

For information about BayREN resources and scheduling BayREN trainings contact Christine Condon, Sonoma County BayREN Codes and Standards Program Representative. Christine.Condon@sonoma-county.org or 707-565-2125.

Energy Code Ace 2022 Title 24, Part 6 Trainings

2022 Title 24, Part 6 Essentials — Single-family Standards: Mechanical Systems

Location: Online

Date: June 20, 2024

Time: 9:00 am – 12:00 pm

Instructor: Chandra Apperson

Description: This online workshop allows attendees to weigh mechanical system alternatives for single-family projects based on client goals and preferences, impact on energy efficiency and carbon reduction, and compliance with the California 2022 Energy Code. Work individually and in teams to do a deep dive on single-family residential mechanical systems and features to weigh the pros and cons of alternative approaches and select a recommended approach given the project parameters.

ICC CEUs: 0.3

[Webinar Registration Link](#)

2022 Title 24, Part 6 Essentials — Single-family Standards for Plans Examiners

Location: Online

Date: July 1-2, 2024 (two half-day sessions)

Time: 8:30 am – 12:00 pm

Instructor: Bruce Cheney

Description: This highly interactive online live course is designed to provide plans examiners with the knowledge and skills they need to fulfill their roles associated with California's 2022 Single-family Energy Code. This course focuses on the "top six" categories of high-value energy savings and impact on Energy Code compliance for residential projects and the "essential" Plans Examiner tasks associated with top Energy Code compliance categories. Presentations and hands-on activities illustrate how review strategies shift based on project type (Performance vs. Prescriptive; New Construction vs. Additions vs. Alterations). Practice with the Plans Examiner Checklist demonstrates how it can guide an efficient and effective Energy Code plan check that is appropriate given time available, realities on the job and goals of the Energy Code. This course is delivered in two 3.5-hour sessions over two days. Both sessions need to be attended to complete the course.

ICC CEUs: 0.7

[Webinar Registration Link](#)