



# October 5th, 2021 Meeting Minutes

Redwood Empire Association of Code Officials  
1007-B West College Avenue #326 Santa Rosa, CA 95401

October 5<sup>th</sup> Meeting was held virtually on WebEx

## 1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

The meeting was called to order at 12:07 pm. by David Willoughby, which was followed by the pledge of allegiance.

## 2. SELF INTRODUCTIONS - (Officers, Guests, Members) list of online attendees was on the screen. There were 26 members and guests at this meeting.

## 3. APPROVAL OF MINUTES –

A motion to approve the September meeting minutes was made by Eric Seabrook and seconded by Kris Kuntz with the membership voting to approve the minutes as posted to the REACO website.

## 4. OFFICERS REPORTS

### President: David Willoughby –

- The Officers meeting was held at in Healdsburg. Discussions included agenda items for the October 5th meeting and options for the remaining membership meetings this year.
- There are 30 tickets sold for the 10-8 accessibility class as of today = \$2,250.
- The Preferred Provider class voucher will be submitted to ICC for the class + \$1,200.
- Thanks to the City of Ukiah for providing the 11B Training on this Friday.

### Treasurer: Kris Kuntz –

#### March Account transactions summary:

Checking beginning balance:	\$24,966.60
Deposits:	\$ 790.27
Interest	\$ 0.21
Debits and Checks:	<u>\$ (1,061.69)</u>
Checking ending balance:	\$ 24,695.18

- Steve Nelly Via emailed statement verified the checking account balance to be correct.

### Vice President: Steve Nelly –

- No Report

### Secretary: Matt Keizer –

- No report

### Past President: Jay Bradford –

- No Report.

## **LIAISON REPORTS**

### **SCFPO: Devon Gambonini –**

- Not present / No report

### **ICC: Jim Sayers –**

- Not present

### **ICC: Susan Dowty –**

- ICC Annual Conference and Public Comment Hearings took place in Pittsburgh, PA September 19 - 26. Here are some links of interest:
  - a. [2021-22 ICC Board of Directors](#). Congratulations to the new Board of Directors!
  - b. [Public Comment Hearing Unofficial Results](#)
  - c. [Award Recipients](#)
  - d. [Approval of bylaw amendments](#)
  - e. Keep an eye out for the upcoming “Online Governmental Consensus Vote (OGCV)” which is scheduled to begin the week of October 11th and be open for 2 weeks.
- [Registration](#) for the 2021 Fall session of [ICC Learn Live!](#) Nov 15-18, is now open. This is an opportunity to earn ICC Preferred Provider CEUs.
- Save the dates:
  - a. Oct 7: ICC Webinar - [Getting the Most Out of FEMA's Billion Dollar FY2021 BRIC Program](#)
  - b. Oct 12: Deadline for [code change submittals](#) for the 2024 IECC and Chapter 11 of the 2024 IRC
  - c. Oct 12: [Virtual Global Connections Day](#), the role of the built environment in the global challenges of extreme weather and the increasing need for resilience will be discussed
  - d. Oct 26: Region I All-Chapter Call
  - e. Oct 27: ICC Webinar on the subject of existing building maintenance and inspections (registration and details coming soon)
  - f. Dec. 31: Deadline to apply for the [Emory R. Rodgers Leadership in Building Safety Fellowship](#). Take a look at this [video](#) featuring Chris Landreth, City of Tracy, CA Supervising Building Inspector and inaugural recipient of the fellowship.
- Also see attached Monthly Update document for full report and links.

### **CBOAC: Eric Seabrook --**

- 58<sup>th</sup> Annual Business Meeting is scheduled to be on April 17-20, 2022 at Tenaya Lodge Yosemite, CA. More information to come.

### **CALBO: Shane Diller –**

- Absent/ No Report

### **CEC: Amie Brousseau --**

- Approval of 2019 residential and nonresidential compliance software (CBECC-Res and CBECC-Com), version 2019.2.0
- Adoption of proposed amendments to Title 24, Part 11 (California Green Building Standards Code) and Parts 2 through 5 (Building, Plumbing, Electrical and Mechanical Codes) with an effective date of January 1, 2023.
- New Energy design rating (EDR) fact sheet.
- New Sunrun solar assessment tool approved. <https://www.energy.ca.gov/programsand-topics/programs/building-energy-efficiency-standards/solar-assessment-tools>
- Reminder: Mechanical ATTCP implementation date is October 1, 2021. More information is available on the implementation proceeding webpage.
- Also offering trainings please contact Amie if interested. [Amie.Brousseau@energy.ca.gov](mailto:Amie.Brousseau@energy.ca.gov)
- Also see Efficiency Division Updates October, attached document for full report, links, and training information.

**IAEI: Mike Stone/Doug Hughes –**

- No Report.
- Doug talked about load limit systems that are approved in the NEC but not by the CEC.

**BayREN: Christine Condon –**

- Nonresidential lighting online training this month Oct 20<sup>th</sup> 9:00am – 10:30 (see link below)
- HERS QII training online training this month Oct 27<sup>th</sup> 9:00am – 10:15 (see link below)
- Residential Electrification series training online training next month Nov 10<sup>th</sup> 9:00am – 10:15 (see link below)
- Organization and forms training online training next month Nov 30<sup>th</sup> 9:00am – 10:15 (see link below)
- New trainings for the 2022 changes HERS online training this month Oct 19<sup>th</sup> 1:00 – 3:00 and Oct 20<sup>th</sup> 1:00 -3:30 (see link below)
- Also training for reach code. BayREN Live Online Customized Reach Code Trainings Live Online Webinars – <https://www.bayrencodes.org/reachcodes/>
- Also see BAYREN attached document for full report, links, and training information.
- Feel free to reach out to Christine with any questions. [Christine.Condon@sonoma-county.org](mailto:Christine.Condon@sonoma-county.org)

**SMART: Doug Williams –**

- Smart is continuing a modified schedule; 5 Am 8 Pm trips. And reduced rates for riders.
- They will be working on a freight service being added to SMART.
- Please contact Doug early if you know of any proposed development near the Smart right of way.
- Training upcoming for Fire and Law enforcement. More info to come.

**RECSI: Carolyn Glanton/Pete Lemone –**

- Meeting are the 1<sup>st</sup> Thursday of every month held at Charlie's in Windsor at 5:30pm.

**ICC Region 1: Charles Lucas –**

- Absent – See Region 1 update document attached.

**1. COMMITTEE REPORTS**

**Structural Hardening Committee: --**

- Jay Bradford noted the committee met at the end of September, they are reviewing draft language and staff reports.
- Jay gave a recap of the purpose for the unified regulations this committee will be proposing.
- More information to come at next meeting.

**Education Committee: Eric Seabrook / Kevin Scheumann –**

- There will be an all-day 11A/B class overview on October 8<sup>th</sup> in Ukiah. Cost 75.00 fully catered. See attached flyer.
- We are also looking into a One- and Two-Family Dwelling Electrical class by Mike Stone in November and December.
- Also looking for members that would be interested in participating in the education committee, please contact Eric if interested. [Eric@phillipsseabrook.com](mailto:Eric@phillipsseabrook.com)

**Web-Site Committee: David Willoughby -**

- No issues to report.

**Audit Committee:**

- This committee is dissolved and will no longer be included in the list of committees.

**Virtual Membership Meeting Committee: Sal Lucido, Tony Piazza, Jay Bradford –**

- Sal noted that the meeting is running well with the current equipment.
- Dave is going to meet with Sal and purchase new equipment before the December meeting at cattlemen's.

## **CORRESPONDENCE AND ANNOUNCEMENTS:**

Dave Willoughby reported:

- Christmas Raffle: We will be meeting in person on the December meeting at Cattlemen's to install the new REACO officers and we will be getting back to providing raffle items, so think about what you may want to contribute for this year's Christmas raffle.
- Membership dues: We will be offering a free lunch to be used at the December meeting if you have paid your 2022 membership dues by or on the December meeting.
- 2022 EduCODE: February 28th to March 4th 2022, the event will be held at The Orleans Casino in Las Vegas, NV. There is an option for live and virtual attendance. The class flyer is attached.

## **2. LEGISLATIVE NEWS:**

- Doug Hughes: Spoke to SB9 and SB10 changes in zoning. It would be a good idea to review and see how it applies to you City.

## **3. CODE ISSUES:**

- None

## **4. PROGRAM:**

### **Caerleon Safford:**

- The program was a discussion on the factors of home ignition from wildland fires, the treatment priorities for home hardening, and the current and upcoming grant projects addressing defensible space and structural hardening (the challenges and opportunities) – what the programs are, what they cover, how to apply for them, and a question-and-answer time.

## **5. OLD BUSINESS:**

- As noted above instead of providing bank statements to membership we will be providing a monthly report from Wave, our financial software, which outlines expenses, deposits, and beginning and ending balances. This will be included in the agenda each month.

## **6. NEW BUSINESS:**

Dave Willoughby:

- Start up the Nominations Committee: The committee was originally created to provide recommendations for the membership to vote on for the installation of new officers to the REACO Board: Eric Seabrook and Sal Lucido volunteered to join the committee.
- Startup Bylaws Review Committee: This committee will look at crafting language to make some of the changes to the bylaws we have discussed such as removing the yearly requirement for the audit and what constitutes voting members. Dave Willoughby, Steve Buffenbarger, Matt Keizer, and Jay Bradford volunteered to join the committee.

## 7. **ADJOURNMENT:**

- The meeting was adjourned at 1:55 pm by David Willoughby.
- **The next meeting:** Next meeting on November 2<sup>nd</sup>, 2021 will be virtually on WebEx. We will be discussing the recommendations of the Nominations Committee and taking any new nominations for the 2022 executive board from the floor as well as going over the voting and installation process according to the bylaws.

# Cash Flow

## Redwood Empire Association of Code Officials

Date Range: Sep 01, 2021 to Sep 30, 2021

CASH INFLOW AND OUTFLOW		Sep 01, 2021 to Sep 30, 2021
<b>Operating Activities</b>		
<b>Sales</b>		
Program Income - Membership Lunch		\$144.13
Program Income - Seminar		\$645.93
Investments – Interest		\$0.21
<b>Total Sales</b>		<b>\$790.27</b>
<b>Purchases</b>		
Accounting Fees		-\$715.00
Expense - Lunch Meeting for Membership		-\$295.93
Expense - Lunch Meeting For Officers		-\$50.76
<b>Total Purchases</b>		<b>-\$1,061.69</b>
<b>Inventory</b>		
<b>Payroll</b>		
<b>Sales Taxes</b>		
<b>Other</b>		
<b>Net Cash from Operating Activities</b>		<b>-\$271.42</b>

Investing Activities	
Property, Plant, Equipment	
Other	
<b>Net Cash from Investing Activities</b>	<b>\$0.00</b>

Financing Activities	
Loans and Lines of Credit	
Owners and Shareholders	
Other	
<b>Net Cash from Financing Activities</b>	<b>\$0.00</b>

## OVERVIEW

Starting Balance	
Business Interest Chking	\$24,966.60
<b>Total Starting Balance</b>	<b>\$24,966.60</b> As of 2021-09-01
Gross Cash Inflow	\$790.27
Gross Cash Outflow	\$1,061.69
<b>Net Cash Change</b>	<b>-\$271.42</b>
Ending Balance	
Business Interest Chking	\$24,695.18
<b>Total Ending Balance</b>	<b>\$24,695.18</b> As of 2021-09-30



## ICC ANNOUNCEMENT HIGHLIGHTS FOR OCTOBER

1. ICC Annual Conference and Public Comment Hearings took place in Pittsburgh, PA September 19 - 26. Here are some links of interest:
  - a. [2021-22 ICC Board of Directors](#). Congratulations to the new Board of Directors!
  - b. [Public Comment Hearing Unofficial Results](#)
  - c. [Award Recipients](#) including the Innovation in Code Administration award presented to the City of Modesto, CA for its “Plan Check with Us” program. Congratulations City of Modesto!
  - d. [Approval of bylaw amendments](#)
  - e. Keep an eye out for the upcoming “Online Governmental Consensus Vote (OGCV)” which is scheduled to begin the week of October 11th and be open for 2 weeks.
2. [Registration](#) for the 2021 Fall session of [ICC Learn Live!](#), Nov 15-18, is now open. This is an opportunity to earn ICC Preferred Provider CEUs.
3. Save the dates:
  - a. Oct 7: ICC Webinar - [Getting the Most Out of FEMA’s Billion Dollar FY2021 BRIC Program](#)
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  - e. Dec. 31: Deadline to apply for the [Emory R. Rodgers Leadership in Building Safety Fellowship](#). Take a look at this [video](#) featuring Chris Landreth, City of Tracy Supervising Building Inspector and inaugural recipient of the fellowship.

# ICC Government Relations' Chapter Monthly Update



INTERNATIONAL  
CODE  
COUNCIL®

**October 2021** Follow @ICC\_GR on [Twitter](#)

for breaking news & announcements throughout the month.  
Click [here](#) for ICC Government Relations Staff Regional Maps.

**SAVE THE DATE!** Code Council to lead online discussion with code officials, stake holders **October 27**  
Your thoughts as an ICC code official and as a stake holder are valued in a special webinar scheduled for **Wednesday, October 27**. ICC staff are organizing the webinar on the subject of existing building maintenance and inspections. It will not be a webinar with PowerPoint presentations, but will feature a panel of subject matter experts who participated [in the recent West Palm Beach, Fla., discussion](#). The objective is to create a dialogue on best practices, personal experiences and your professional suggestions. More information is coming on the event. For now, just mark your calendar for October 27.

**ICC Learn Live!** Registration is now open for this fall's online training event **November 15-18**

You can now register for classes offered in the Code Council's unique virtual training event set for November 15-18. The four-day online event will focus on these topic areas:

- Architecture, Engineering and Construction (AEC Digital Transformation)
- Technology Collaboration Solutions
- Building to Improve Communities
- Unique Building Structures
- 2021 I-Code® changes

ICC Learn Live! is a platform to continue supporting and connecting with its members, customers, and partners. [Click here to see the schedule](#) of individual courses, CEU values and instructors.

**Virginia's Cindy Davis heads the Code Council's 2021-2022 Board of Directors as the new president**

International Code Council members welcomed a new slate of officers and directors to its 2021–2022 board of directors during the Annual Business Meeting on Sept. 20 at the ICC Annual Conference in Pittsburgh. Three senior officers were elected to the executive committee and five directors were elected or re-elected by eligible Governmental Member Voting Representatives and Honorary Members. The new President of the ICC Board is Cindy Davis of Virginia, who succeeds Colorado's Greg Wheeler, who served two years as president and will now serve as Immediate Past President. The new vice president is Michael Wich of Louisiana and California's Stuart Tom was elected Secretary-Treasurer. Two new members on the Board are Maine's Benjamin Breadmore who won an at-large seat and Randy Metz of Carlsbad, Calif, sectional director. Kris Bridges of Martinsville, Va., was elected to a second term as a sectional director, and Jim Sayers of Oregon and David Spencer of Washington were re-elected as at-large directors. [Read more here](#).

**TUNE IN 3 P.M. EASTERN OCT. 7: [Getting the Most Out of FEMA's Billion Dollar FY2021 BRIC Program](#)**

Now in its second year, FEMA's Building Resilient Infrastructure and Communities (BRIC) program is the agency's \$1 billion mitigation grant program. BRIC prioritizes the adoption and enforcement of hazard resistant building codes and makes funding available for adoption activities (including staff time and consultant costs), training including the Code Council's When Disaster Strikes Institute, certifications, building department accreditation, electronic permitting, and online access to codes and standards. For FY2021, BRIC includes \$56 million in state/territory allocations (up to \$1 million for all 50 states, the District of Columbia, and U.S. territories) and another \$25 million specifically set-aside for all federally recognized Tribal Governments. [This webinar at 3 p.m. Eastern, Thursday, October 7, features panelists](#) from FEMA, state and local government, and the private sector who'll share best practices for how to successfully leverage BRIC funding.

**The 2021 Group A Public Comment Hearings have concluded: Watch for the start of online voting**

The 2021 Group A Public Comment Hearings were held in person from Sept. 21–25 in Pittsburgh following the ICC annual conference. This year, there were 300-plus code changes on the agenda. The

unofficial Public Comment Hearing results can be found here. Keep an eye out for the upcoming Online Governmental Consensus Vote (OGCV), scheduled to begin the week of October 11 and run two weeks.

### **AND THE AWARD WINNERS ARE: Code Council honors public service and support in the 2021 awards**

The International Code Council honored [outstanding individuals and organizations](#) for their accomplishments and service to their communities, the building safety industry and the Code Council during the 2021 Annual Conference in Pittsburgh, Penn., including a new award, The Trailblazer Award.

- **Bobby J. Fowler Award** — William Dupler, Chesterfield County, Va.
- **Gerald H. Jones Code Official of the Year Award** — James Moss, Galax, Va.
- **Robert W. Gain Fire Prevention Leadership Award** — Michael O'Brian, Brighton Area Fire Authority, Mich.
- **ICC Educator of the Year Award** — Glenn Mathewson, BuildingCodeCollege.com
- **Lifetime Achievement Award** — Sara Yerkes, Senior Vice President of Government Relations
- **William J. Tangye Staff Recognition Award** — Michael Temesvary, Vice President of Sales and Relations, ICC Evaluation Services
- **ICC Community Service Award** — Mike Haugen, Topeka, Kan.
- **Meritorious Service Award** — Rocco Davis, Laborers' International Union of North America
- **ICC Raising the Profile Award** — Jason Bush, Cottage Grove, Ore.
- **Excellence in Public Safety Award** — Henry Kelly, Island Heights, N.J.
- **Chapter of the Year Award** — Central Arizona Chapter of ICC
- **Chapter Merit Awards** — Chemeketa Chapter (Oregon) and the Los Angeles Basin Chapter
- **Trailblazer Award** — Frederick "Rick" Herzberger, McKinney, Texas
- **Innovation in Code Administration Award** — City of Modesto, Calif.
- **National Leadership in Sustainability and Energy Efficiency Awards** — Ana Salguiero, Miami Beach, and the Urban Sustainability Directors Network
- **ICC Global Membership Award** — Abdul Latif Helaly, Urban Resilience Project: RAJUK
- **PMG Leadership Award** — Daniel Rademacher, Viega Trades Education Network

### **Please take a couple minutes to list your jurisdiction's building codes on this simple online form**

The ICC Government Relations team is compiling a spreadsheet of locally adopted building codes and is asking for your help. [Please click here and list the current International Codes](#) that your jurisdiction has adopted. **It's quick and super easy!** This improved recordkeeping of local jurisdictions will be helpful to all code officials in the International Code Council and for our field efforts. Please take a couple minutes and submit it at the bottom of the page. Thank you for your time and cooperation!

**NOTE:** There is a **new feature** on the ICC website's front page, a **tic tac toe box** in the upper right corner to help you easily navigate the website. Seen circled in red below, it replaces the green navigation bar.



### **ROUND 2 HAS STARTED: FEMA's BRIC program doubles the money for code adoptions, code activities**

The application period opened September 30, which means the second round of Federal Emergency Management Agency's (FEMA) Building Resilient Infrastructure and Communities (BRIC) program is set to award \$1 billion for pre-disaster mitigation grants. This is an opportunity for jurisdictions to submit applications for programs and services to improve their code adoption, enforcement, and operations because BRIC prioritizes the adoption and enforcement of hazard resistant building codes and makes funding available for adoption activities. You can [click here](#) for a fact sheet on how the FY2021 BRIC program promotes the adoption and enforcement of hazard resistant codes. Save these dates:

- Thursday, October 7: ["Getting the Most Out of FEMA's Billion Dollar FY2021 BRIC Program."](#)
- Application Deadline: January 28, 2022
- **Note:** Local governments must apply through their states. Many states have fixed sub-application deadlines that precede the application deadline. Contact your State Hazard Mitigation Officer (SHMO) to confirm your state's deadline. [Click here](#) to find your SHMO's contact information.
- Identify your department's needs that qualify for BRIC funding.

- [Click here](#) for FEMA's BRIC Building Code Activities document.
- **Note:** Code activities are eligible as a "Capability- and Capacity-Building" (C&CB) activity under \$1 million State/Territory and Tribal set-asides.
- Reach out to your jurisdiction's Mitigation Officer and share your department's needs and discuss the application process. Coordinate with your ICC chapter and state agencies.
- Forthcoming FEMA webinars on BRIC can be accessed [here](#). And please contact us, [advocacy@iccsafe.org](mailto:advocacy@iccsafe.org), with any questions.

### **New toolkit is available for code officials' use in the Code Council's 'Code on a Mission' challenge**

ICC's "Code on a Mission" challenge aims to have more than one-third of the U.S. population covered by the 2021 International Energy Conservation Code by the end of 2023. A new toolkit supports communities and advocates with adoption of the 2021 IECC and its appendices, and consideration of the 2021 International Green Construction Code, with various helpful resources. [View toolkit](#) here.

### **Register today for Global Connections Day on the role of the built environment in extreme weather**

On Tuesday, October 12, the [Global Connections Day, a Virtual event](#), will feature experts from around the world who will convene for an interactive day to discuss the role of the built environment in the global challenges of extreme weather and the increasing need for resilience. The event starts 10 a.m. Central with Martina Otto of the Cities Unit, UN Environment Programme and head of the GlobalABC Secretariat, who will address advancing mitigation through building codes, followed with case studies from Europe, North Africa and the Caribbean. At 3:30 p.m. Eastern, Alice Hill, a David M. Rubenstein Senior Fellow for Energy and the Environment Council on Foreign Relations, will keynote, followed by a discussion on insurance, codes and climate with insurance industry experts. Registered attendees will earn 0.4 ICC CEUs toward renewals. [Read more and register here for this valuable online event.](#)

### **ELMC challenges each ICC Chapter to recruit at least one new member to the Membership Council**

The ICC [Emerging Leaders Membership Council](#) last week initiated a challenge to each Code Council chapter to recruit at least one person to join the ELMC. ELMC Governing Committee Chair Allison Cook said the membership council was created by the ICC Board of Directors to help recruit young professionals to take up code careers and to prepare its membership for positions in various Code Council committees, membership councils and governance of the 64,000-member association. "You really can't find a better avenue to learn about your profession and about the Code Council and its mission than by becoming a member of the Emerging Leaders Membership Council," she said. The ELMC holds online meetings six times a year and two in-person meetings. It is a valuable key to learning and making lifelong professional relationships. Emails are being sent to each chapter with information on the signup campaign. To sign up today, go to [the ICC Membership Councils webpage](#) and click on the icon for the Emerging Leaders Membership Council. All ICC members are eligible for all six Membership Councils and there is no cost to become a member.

### **Electric vehicle resource assists communities to set policies for electric vehicle charging requirements**

The International Code Council has announced the publication of a new educational resource on electric vehicle (EV) charging infrastructure and building codes titled [Electric Vehicles and Building Codes: A Strategy for Greenhouse Gas Reductions](#). This is the first in a series of resources set to be published with the aim of supporting communities in achieving greenhouse gas (GHG) reduction goals in a safe and efficient manner. The framework presents solutions already implemented by jurisdictions which have chosen to enact policies aimed at supporting increased EV deployment. The model language presented in the resource is intended to provide communities with approaches that can reflect local needs and enables the policies and guidelines they set to be directly integrated into the International Codes (I-Codes®) family of building safety solutions. [Read more here.](#)

### **Pandemic task force seeks resources to prepare buildings and communities for disease-related threats**

The International Code Council and the National Environmental Health Association (NEHA) [established a task force on pandemics](#) late last year to develop resources to better prepare buildings and communities for disease-related threats. The [Board Task Force on Pandemics](#) analyzes all aspects of the built environment to find solutions that reduce the risks. It completes a comprehensive review of the current

code requirements, existing guides, executive orders, regulations, white papers, reports and standards related to the design, preparedness and health considerations for building construction, operation and pandemics. The group also identifies best practices and guides to address the design and layout of new and existing buildings and establishes a comprehensive package of information. [Read more here](#).

#### **IAS accredits the inspection practices of companies that assemble metal building systems**

The International Accreditation Service (IAS) assesses metal building assembly companies on multiple areas (erection activities, safety training, management system, personnel qualifications, compliance with project specifications). The assessment is based on IAS Accreditation Criteria AC478, which helps building departments ensure metal buildings are assembled by competent companies with qualified personnel and to specifications. Building departments can verify if companies are accredited to IAS AC478 by viewing their Certificate of Accreditation on the IAS website. Companies that are not accredited can be referred to IAS. Building departments can also volunteer to participate in IAS meetings to maintain accreditation criteria. [Read more here](#).

#### **Adoptable appendices exist in the International Residential Code for cob construction and tiny houses**

Mike Pfeiffer, P.E., Senior Vice President of ICC Technical Services, outlines new adoptable appendices in the 2021 IRC for cob construction and tiny houses in a Building Safety Journal article. [Read more here](#).

#### **October 12 is deadline for code change submittals for the 2024 IECC and Chapter 11 of the 2024 IRC**

Code change proposals for the development of its 2024 International Energy Conservation Code (IECC) and Chapter 11 of the International Residential Code (IRC) will be accepted until 11:59 p.m. Pacific Time on October 12. As established through the Code Council's recently released energy efficiency framework, *Leading the Way to Energy Efficiency: A Path Forward on Energy and Sustainability to Confront a Changing Climate*, the 2024 IECC and Chapter 11 of the IRC will be updated using the Code Council's American National Standards Institute (ANSI) approved standards process. To submit a code change proposal, visit the new energy only version of cdpACCESS [here](#). For more information on ICC's energy initiatives, the framework and related FAQs, visit [www.iccsafe.org/energy](http://www.iccsafe.org/energy). [Read more here](#).

#### **December 31 is the new deadline for applications for the Emory R. Rodgers Fellowship funding**

Named for one of the Code Council's greatest mentors, the Emory R. Rodgers Leadership in Building Safety Fellowship is available annually to a building safety professional who has demonstrated an executive-level career path and wants to further develop leadership skills through an eligible executive development program. The fellowship will afford up to \$20,000 dollars to cover the full cost of the education program and the award recipient's travel to and from the program. Applications are currently being accepted and the new deadline is December 31. Take a look at this [video](#) featuring Chris Landreth, City of Tracy (CA) Supervising Building Inspector and inaugural recipient of the fellowship. Questions? Contact Vice President of Member Services Karla Higgs at [khiggs@iccsafe.org](mailto:khiggs@iccsafe.org). [Read more here](#).

#### **EduCode 2022 to mark its 25<sup>th</sup> anniversary with in-person and virtual courses February 28-March 4**

Information for the 25<sup>th</sup> anniversary edition of EduCode is available now. This huge training event with more than 80 different courses is set for February 28 to March 4, 2022, presented by the Southern Nevada Chapter of ICC. It now offers both in-person and virtual classes to meet the demands and necessities of its attendees. [Click here to view the course schedule and to register online](#). It will be held in-person at [The Orleans in Las Vegas](#).

#### **President Davis: What we achieve today will be carried throughout our industry for years to come**

Newly elected International Code Council Board of Directors President Cindy Davis, CBO, deputy director of the Division of Building and Fire Regulations for the Virginia Department of Housing and Community Development, recently spoke in Pittsburgh on the importance of preparing for the future by remaining focused on transforming our organization to meet the new expectations being placed on the building safety industry through the use of technologies, welcoming new professionals to the industry, implementing programs to encourage a diverse organization, and embracing new leaders and the next generation. [Read more here](#). Also, you can see the video recapping the past year. [Click here](#).





## ICC Plumbing, Mechanical and Fuel Gas updates

### The 2018 Plumbing Code Essentials series takes a deep dive on backflow prevention device functions

The ultimate protection against backflow is to not have a connection between the potable water system and any source of contamination, and the best method for accomplishing that is to provide an air gap, which is a vertical separation between the outlet discharge from the potable system to the flood level rim of a fixture, reservoir, tank, etc. The physical air gap is basically two times the diameter of the effective opening, but in no case less than 1 inch. Some fixtures, appliances and products may have the air gap built-in with an air gap complying with ASME A112.1.2 or an air gap fitting complying with ASME A112.1.3. Where the product is listed as complying with either of these standards, it is considered to be code compliant. [Read more here from the 2018 Plumbing Code Essentials.](#)

### Significant changes to public restroom privacy explained in 2021 International Building Code excerpt

An addition to Section 1210.3 (Restroom Privacy) of the 2021 International Building Code states that concerns regarding privacy within public restrooms have been addressed by requiring a screening element at the entry to the restroom. [View excerpt](#) here.

### PHCC announces Mark Ingrao to succeed CEO Michael Copp who is set to retire in December 2021

The Plumbing-Heating-Cooling Contractors—National Association (PHCC) recently announced Mark S. Ingrao, CCP, CAE, was selected as its new Chief Executive Officer. Current PHCC CEO Michael Copp will retire from PHCC in December 2021, and Ingrao officially assumes duties as CEO on October 22 during PHCC's Annual Business Meeting at PHCCCONNECT2021 in Kansas City, Missouri. Ingrao brings more than 18 years of executive-level association management experience, most recently serving as CEO of the Northern Virginia Building Industry Association. [Read more here.](#)



## Upcoming from the Learning Center: Institutes, training, webinars, etc.

Online learning is available from the [ICC Learning Center](#). Find course [listings you'd like to attend](#) in the ICC Learning Center using the Search function. Some seminars offering a Virtual Classroom option so you can participate in the event from any location with an internet connection:

- **October 4-8 - [2018 Residential Building Inspector B1 Certification Test Academy.](#)**
- **October 6 - [Complaint Management from Start to Finish.](#)**
- **October 6 - 2021 Residential Building Inspector Webinar Series: [Existing Buildings.](#)**
- **October 13 - [2018 IBC Special Topics Day 1.](#)**
- **October 14 - [2018 IBC Special Topics Day 2.](#)**
- **October 19-21 - [2018 Permit Technician - 14 Certification Test Academy.](#)**
- **October 27 - [Legal Aspects of Code Administration.](#)**

The following are online courses that you can take at any time. Here are some popular online courses:

- [2018 Residential Building Inspector - B1 Study Guide](#)
- [2018 Commercial Building Inspector - B2 Study Guide](#)
- [2018 Commercial Electrical Inspector - E2 Study Guide](#)
- [2015 Commercial Plumbing Inspector - P1 Study Guide](#)
- [2015 IFC® Fire Inspector I - 66 Study Guide](#)
- [Architect and Engineer Design Coordination](#)
- [Basic Blueprint Reading & Related Math](#)
- [Evaluating Preliminary Building Plan Review Requirements](#)
- [Flood Vents](#)
- [Green Building Materials: An Introduction](#)
- [IBC® - Significant Changes from the 2012 to the 2015 Edition](#)
- [International Building Code & More: Code Officials and Code Processes](#)
- [Reducing Risk: Preparing to be an Expert Witness in a Deposition and Trial](#)
- [Residential Energy Inspector/Plans Examiner 79 Online Prep Course](#)
- [Smart Management: Methods for Motivating and Mentoring Your Team](#)
- [Worksite Safety 01: OSHA Safety Introduction](#)

Check out more [upcoming learning opportunities here.](#)



# Efficiency Division Updates

CALIFORNIA ENERGY COMMISSION

REACO ICC Monthly Meeting

October 2021

## Efficiency Division Updates

- Business meeting on September 8:
  - Approval of 2019 residential and nonresidential compliance software (CBECC-Res and CBECC-Com), version 2019.2.0; updates to residential and nonresidential ACM Reference Manuals. Revisions include changes to the standard design indoor air quality system for both CBECC-Res and CBECC-Com, changes to the HVAC standard design for CBECC-Com, and minor changes including new features and bug fixes.
- Business meeting on September 30:
  - Adoption of proposed amendments to Title 24, Part 11 (California Green Building Standards Code) and Parts 2 through 5 (Building, Plumbing, Electrical and Mechanical Codes) with an effective date of January 1, 2023.
- Next business meeting is October 13. **Business Meetings agendas and minutes:** <https://www.energy.ca.gov/proceedings/business-meetings>
- **Blueprint #135 July-September 2021** now available: <https://www.energy.ca.gov/newsroom/blueprint-newsletter>
- Energy design rating (EDR) fact sheet available on the **ORC overview webpage**
- New Sunrun **solar assessment tool** approved. <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/solar-assessment-tools>
- Reminder: Mechanical ATTCP implementation date is October 1, 2021. More information is available on the **implementation proceeding** webpage.

## Energy Code 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)
  - October 13: 2019 Energy Code: ADUs webinar for CALBO CTI
- **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>

## Rulemaking for the 2022 Energy Code

- The final version of the 2022 Energy Code language was adopted. Visit the [CEC 2022 Energy Code webpage](https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency): <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency>
- [2022 Building Energy Efficiency Standards Summary](https://www.energy.ca.gov/sites/default/files/2021-08/CEC_2022_EnergyCodeUpdateSummary_ADA.pdf) is now available!  
[https://www.energy.ca.gov/sites/default/files/2021-08/CEC\\_2022\\_EnergyCodeUpdateSummary\\_ADA.pdf](https://www.energy.ca.gov/sites/default/files/2021-08/CEC_2022_EnergyCodeUpdateSummary_ADA.pdf)
- Research versions of the 2022 Energy Code compliance software are now available:
  - [Download CBECC-Res 2022.0.5 RV](http://www.bwilcox.com/BEES/cbecc2022.html) at  
<http://www.bwilcox.com/BEES/cbecc2022.html>
  - [Download CBECC-Com 2022.0.5 RV](http://bees.archenergy.com/software2022.html) at  
<http://bees.archenergy.com/software2022.html>



# BLUEPRINT

CALIFORNIA ENERGY COMMISSION  
EFFICIENCY DIVISION

## IN THIS ISSUE

- 2022 Energy Code Adopted
- New Resources on ORC
- 2019 Compliance Manual Errata
- Q&A
  - PV for Newly Constructed Detached Buildings
  - Ultraviolet (UV) Lights for Sanitation

For additional help with the 2019 Energy Code see Energy Code Ace's **online offerings** of trainings, tools, and resources.



## 2022 Energy Code Adopted

The California Energy Commission (CEC) adopted the 2022 Building Energy Efficiency Standards (Energy Code). The 2022 Energy Code will go into effect on January 1, 2023, following approval by the California Building Standards Commission.

Homes and businesses use nearly 70 percent of California's electricity and are responsible for a quarter of the state's greenhouse gas (GHG) emissions. Over the next 30 years, the Energy Code is estimated to provide \$1.5 billion in energy cost savings and reduce 10 million metric tons of GHGs, equivalent to taking nearly 2.2 million cars off the road for a year.

Each update to the Energy Code guides the construction principles for buildings to better withstand extreme weather, lower energy costs, and reduce climate and air pollution. Expanded adoption of new energy-efficient technologies will help reduce costs of these products over time.

The 2022 Energy Code focuses on several key areas in newly constructed buildings:

### Heat Pumps

Heat pumps consume less energy and produce fewer emissions than gas-powered units. The 2022 Energy Code encourages electric heat pump technology for space heating and water heating for single-family, multifamily, and select commercial buildings, such as schools, offices, banks, libraries, retail, and grocery stores.

### Electric Ready

The 2022 Energy Code establishes electric-ready requirements for single-family homes to allow owners to switch from gas to electric for heating, cooking, and appliances. The electric-ready requirement also prepares the home for future installation of a battery storage system.

### Solar and Battery Storage

The 2022 Energy Code includes solar photovoltaic (PV) system and battery storage standards for certain nonresidential buildings, such as high-rise multifamily, hotel, motel, tenant space, office, medical office, clinical, retail, grocery

stores, restaurants, schools, and civic spaces. The update makes clean energy available on-site and complements California's progress toward a 100 percent clean electricity grid.

### Indoor Air Quality

The 2022 Energy Code strengthens ventilation standards to improve indoor air quality. The update recognizes differences in pollutants created by natural gas and electric cooking, as well as the role of indoor air volume in pollution concentrations. The update adds duct sealing requirements for central shaft ventilation systems

and relaxes insulation requirements for ducts in conditioned space.

### Lighting

Updates to the lighting requirements improve clarity and consistency. The 2022 Energy Code provides default outdoor lighting zones, updates the tables for nonresidential lighting power allowances, and removes the lumen maintenance test from Reference Joint Appendix JA8.

### Multifamily

The 2022 Energy Code consolidates low-rise and high-rise multifamily requirements into a set of dedicated chapters. The update

adds Sections 160.0–160.9 for mandatory requirements, Sections 170.0–170.2 for performance and prescriptive compliance approaches, and Sections 180.0–180.4 for additions, alterations, and repairs. The CBECC-Com compliance software will be integrated to demonstrate performance compliance with the multifamily requirements.

For more information, view the **executive summary** (Figure 1) and visit the **2022 Energy Code webpage**.



Figure 1: Executive Summary

## New Resources on ORC

The Online Resource Center (ORC) has new 2019 Energy Code lighting videos on the [lighting webpage](#). The videos (Figure 2) are designed to increase knowledge and implementation of code-compliant lighting in nonresidential and residential buildings.

### Nonresidential

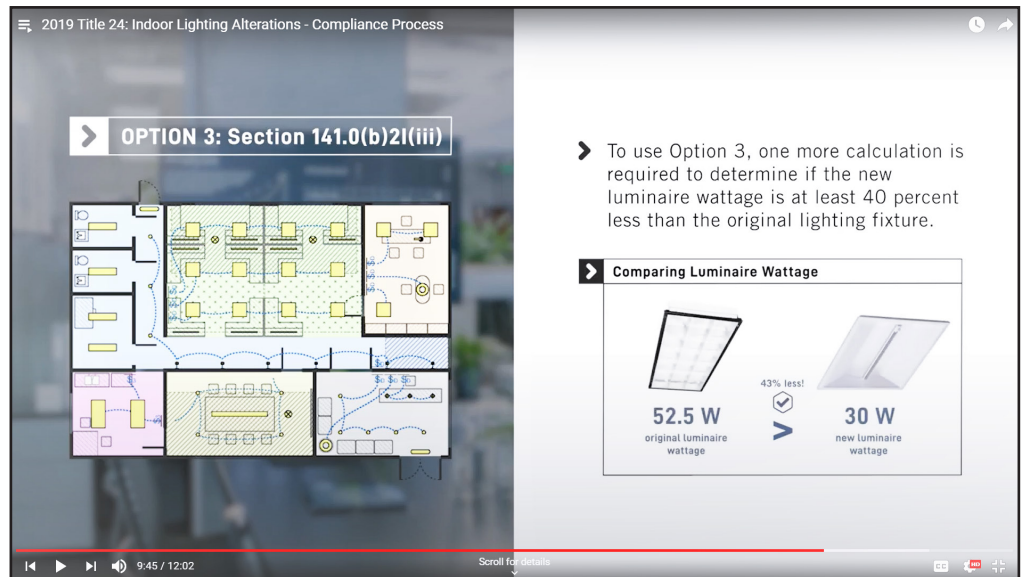
- Indoor Lighting Controls Requirements and Technologies – Manual Area Controls
- Lighting Controls and Envelope Acceptance Testing Requirements
- Indoor Lighting Alterations – Compliance Process
- Outdoor Lighting and Sign Control Requirements

### Residential

- High-Efficacy Requirements for Residential Light Sources

The videos were developed by the University of California, Davis, California Lighting Technology Center (CLTC) with funding from Southern California Edison, in collaboration with RMS Energy Consulting, LLC, and the CEC.

Figure 2: Indoor Lighting Alterations Video



## 2019 Compliance Manual Errata

Errata for the **2019 Residential Compliance Manual** and the **2019 Nonresidential Compliance Manual** have been published.

These errata address revisions to the compliance manuals including minor changes to correct grammatical errors, clarify meaning, and clean up confusing language. View the errata on the [2019 Energy Code webpage](#).

## Q&A

### PV for Newly Constructed Detached Buildings

**Does a new detached building classified as occupancy U (like a pool house, rec room, art studio, etc.) on a residential lot need to meet the solar PV requirements in Energy Code Section 150.1?**

Yes. A conditioned, newly constructed building classified as U-building on a residential lot needs to meet the PV requirements in **Section 150.1(c)14** of the Energy Code. Using the prescriptive method, the annual PV electrical output Equation 150.1-C allows for an input of zero for the number of dwelling units. Using the performance method, the PV calculation is automated to at least one dwelling unit.

## ENERGY STANDARDS HOTLINE

Available to help with  
Energy Code  
(Title 24, Part 6) questions.

✉ EMAIL  
[title24@energy.ca.gov](mailto:title24@energy.ca.gov)

☎ CALL  
800-772-3300 | 916-654-5106  
Toll free in CA | Outside CA

HOURS 8 a.m.–12 p.m. and 1 p.m.–4:30 p.m.



**Can a new detached accessory dwelling unit (ADU) add PV modules to the existing PV on the main house if the ADU has a separate utility meter and the added PV kilowatts will not specifically serve the ADU?**

Yes. Adding new PV modules to an existing PV system will satisfy the PV requirements in **Section 150.1(c)14** as long as the added PV modules are on the same residential lot as the ADU. The Energy Code does not regulate whether the added PV modules are serving the ADU meter or the main house meter. Any added PV modules must also comply with other parts of the building code as applicable.

### **Ultraviolet (UV) Lights for Sanitation**

**Do UV lighting fixtures used for sterilizing need to comply with the mandatory lighting control requirements in Section**

**130.1 and power allowance requirements in Section 140.6 of the Energy Code?**

No. UV lighting for sanitation that does not provide any visual illumination is not regulated by the Energy Code. The UV fixtures should be controlled separately from any visual illumination components.

**Does a lighting luminaire that includes an element for sterilization (whether UV or other type) need to meet the lighting control and power allowance requirements?**

Yes. The luminaire must comply with lighting control requirements in **Section 130.1** and the power allowance requirements in **Section 140.6** for the visual illumination. However, the sanitation element is exempt from these requirements and should be controlled separately from the lighting element of the luminaire.

## FOR MORE INFORMATION

**Online Resource Center (ORC):**  
[www.energy.ca.gov/orc](http://www.energy.ca.gov/orc)

**Home Energy Rating System (HERS):**  
[www.energy.ca.gov/HERS](http://www.energy.ca.gov/HERS)

**Acceptance Test Technician Certification Provider Program (ATTCP):** [www.energy.ca.gov/ATTCP](http://www.energy.ca.gov/ATTCP)

**2019 Approved Compliance Software:**  
<https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2019-building-energy-efficiency-2>

## EDITOR

Amie Brousseau

## SPECIAL THANKS

Christine Collopy	Michael J. Sokol
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The CEC welcomes feedback on Blueprint.  
Please contact the editor at **Title24@energy.ca.gov**.

### **Building Standards Office**

715 P Street  
Sacramento, CA  
95814

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J. Andrew McAllister, Ph.D.	...	Commissioner
Patricia Monahan	.....	Commissioner
Drew Bohan	.....	Executive Director



**CALIFORNIA  
ENERGY  
COMMISSION**

CEC-400-2021-010





# BayREN Codes & Standards Program

## 2021 BayREN Energy Code Trainings

Live Online Webinars

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

### Nonresidential Lighting

**Date:** Wednesday, October 20, 2021

**Time:** 9:00 am – 10:15 am

**Description:** This course will cover the 2019 Energy Code requirements for nonresidential lighting. Topics covered include: lighting controls and lighting power density; indoor and outdoor lighting; new construction, additions, and alterations; mandatory and prescriptive measures; lighting compliance forms; tips and best practices.

**Target Audience:** Building Department Staff

ICC CEUs: 0.1

[Webinar Registration Link](#)

### HERS Verified Quality Insulation Installation (QII)

**Date:** Wednesday, October 27, 2021

**Time:** 9:00 am – 10:30 am

**Description:** This hour-long virtual course focuses on Prescriptive QII requirements in the 2019 Energy Code for new low-rise Residential buildings of any size and Additions greater than 700 ft<sup>2</sup>.

The webinar helps:

- Designers and architects create projects that meet QII
- Energy consultants clarify the minimum requirements and schedule of inspections when the Certificate of Compliance form (CF1R) calls for QII
- Contractors coordinate with HERS Raters and subcontractors on inspection dates and other QII requirements
- Building departments support QII projects at plan check and inspection to ensure the QII process goes smoothly
- HERS Raters communicate with the construction team on how to prepare a project to meet QII requirements during HERS inspections

*Training developed and offered in partnership with [Energy Code Ace](#).*

**Target Audience:** Building Department Staff, Contractors, and Building Professionals

CEUs: ICC: 0.1; AIA: 1.0

[Webinar Registration Link](#)

### Heat Pump Water Heaters for Contractors

**Date:** Wednesday, November 3, 2021

**Time:** 8:00 am – 9:15 am

**Description:** Heat pump water heaters (HPWHs) are an increasingly popular technology that are a highly efficient means of providing hot water to houses. This training will be geared toward contractors and will describe HPWHs, when HPWHs are allowed under the 2019 Energy Code, energy code requirements for installation, and how to complete compliance forms.

**Target Audience:** Contractors

ICC CEUs: 0.1

[Webinar Registration Link](#)

## Residential Electrification Series: Energy Code and Electrification

**Date:** Wednesday, November 10, 2021

**Time:** 9:00 am – 10:15 am

**Description:** As the industry and policy shift toward achieving greenhouse gas emissions, the 2019 and upcoming 2022 building code updates reflect this shift to support electrification. From heat pump water heaters to heat pump for space condition to cooking, these appliances 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 permit may vary from previous business as usual upgrades. Come learn and discuss the intersection of the energy code with different electrification technologies.

This class will focus on the energy code and green building code while touching on other parts of the building Code. The training will review the following:

- Electrification technologies
- New construction, additions and alterations
- Mandatory measures and prescriptive measures

**Target Audience:** Building Department Staff

ICC CEUs: 0.1

[Webinar Registration Link](#)

## Heat Pump Water Heaters for Building Department Staff

**Date:** Wednesday, November 17, 2021

**Time:** 9:00 am – 10:15 am

**Description:** Heat pump water heaters (HPWHs) are an increasingly popular technology that are a highly efficient means of providing hot water to houses. This training will describe HPWHs, when HPWHs are allowed under the 2019 Energy Code, energy code requirements for installation, and how to complete compliance forms.

**Target Audience:** Permit technicians, plan checkers, and field inspectors.

ICC CEUs: 0.1

[Webinar Registration Link](#)

## Energy Code Organization & Forms 101

**Date:** Tuesday, November 30, 2021

**Time:** 9:00 am – 10:15 am

**Description:** California's energy code is designed to reduce energy consumption in newly constructed and existing buildings and continue to move the industry toward state goals. This Building Energy Efficiency standards, Title 24 Part 6 and Part 11, are updated by the California Energy Commission every three years through a public process. As the code has grown in complexity since its inception in 1978, it has become longer and includes several supporting documents and manuals. The standards include energy and water efficiency requirements (and indoor air quality requirements) for newly constructed buildings, additions to existing buildings, and alterations to existing buildings. The code includes mandatory standards, prescriptive and performance standards. This training will provide the context and overview of the Energy Code under the authority of the CEC. We will discuss the components of the Energy Code and supporting references and manuals.

The training will review the structure of the energy code and how it addresses the following:

- Non-residential and residential buildings
- New construction, additions and alterations
- Energy efficiency, ventilation and renewables
- Mandatory measures and performance and prescriptive approaches

**Target Audience:** Building Department Staff

ICC CEUs: 0.1

[Webinar Registration Link](#)

## 2019 Title 24, Part 6 Residential Energy Standards – Accessory Dwelling Units (ADU)

**Date:** Tuesday, December 7, 2021

**Time:** 1:00 pm – 2:15 pm

**Description:** ADUs are becoming an important form of housing in California but designing and building these units to comply with the 2019 Energy Code can be challenging. This hour-long course covers the Prescriptive requirements that apply to new ADU, and discusses both minimum requirements and design options for compliance. The webinar helps:

- Designers and architects understand how different ADU types are subject to envelope, Photovoltaic (PV)/Battery, domestic hot water (DHW), ventilation, HVAC and HERS requirements of the Energy Code
- Energy consultants clarify the minimum requirements and communicate the compliance options available for ADU
- Contractors recognize that ADU type and CF1R Certificate of Compliance affect envelope, PV/Battery, DHW, ventilation, HVAC and HERS features
- Building departments know what to look for during plan check and inspection, and how to ensure the ADU permitting and construction process goes smoothly
- HERS Raters be aware that HERS measures are more likely with an ADU project

*Training developed and offered in partnership with [Energy Code Ace](#).*

**Target Audience:** Building Department Staff, Contractors, and Building Professionals

[Webinar Registration Link](#)

## BayREN Live Online Customized Reach Code Trainings

Live Online Webinars – <https://www.bayrencodes.org/reachcodes/>

**Description:** This course will help attendees understand and better enforce adopted reach codes within a specific jurisdiction. The course includes a combination of general practices as well as customized training for the jurisdiction's reach code. Reach Code Trainings are customized to address a city or county-specific Reach Code and are intended for city-specific or county-specific staff. *Contact Christine Condon; [Christine.Condon@sonoma-county.org](mailto:Christine.Condon@sonoma-county.org) to coordinate scheduling.*

**Target Audience:** City-specific plan checkers, field inspectors, building department staff

**Duration:** Short Course (60-90 min) - Instructors are available remotely and trainings can be scheduled Monday to Friday from 7AM to 7PM.

## BayREN Partner Energy Code Trainings

Energy Code Ace - Live Online Webinars

### 2022 Title 24, Part 6 – Nonresidential Standards: What's New

**Date:** Tuesday, October 19, 2021

**Time:** 1:00 pm – 3:30 pm

**Description:** This live online event summarizes the new and revised requirements in the 2022 California Building Energy Efficiency Standards (Title 24, Part 6 or Energy Code) for Nonresidential buildings, and directs participants to informational and training resources that provide more in-depth information on the Energy Code. Join us to begin learning what the 2022 Code means to you. CEUs: ICC: 0.25; AIA: 2.5 [Webinar Registration Link](#)

### 2022 Title 24, Part 6 – Residential Standards: What's New

**Date:** Wednesday, October 20, 2021

**Time:** 1:00 pm – 3:30 pm

**Description:** This online event summarizes the new and revised requirements in the 2022 California Building Energy Efficiency Standards (Title 24, Part 6 or Energy Code) for residential buildings, and directs participants to informational and training resources that provide more in-depth information on the Energy Code. Join us to begin learning what the 2022 code means to you. CEUs: ICC: 0.25; AIA: 2.5 [Webinar Registration Link](#)

*Contact Christine Condon, Sonoma County BayREN Codes and Standards Program Representative to schedule trainings and for more information: [Christine.Condon@sonoma-county.org](mailto:Christine.Condon@sonoma-county.org).*



# Region I - International Code Council California, Hawaii, Nevada

## ICC Region 1 All Chapter Meeting Agenda

October 26, 2021

4:00pm Pacific Time Zone

WebEx Conf Call

ICC Region I  
3060 Saturn Street, Suite  
100  
Brea, CA 92821 USA  
[www.ICCRegion1.com](http://www.ICCRegion1.com)

President: Sam Palmer  
Asst. Director  
Clark County, NV

1st Vice President: Mike Leach  
Senior Building Inspector  
CSG Consultants  
Napa County Area, CA

2nd Vice President: Leolynne Escalona  
Code Enforcement Officer  
County of Kaua'i, HI

Secretary: Stephen DiGiovanni  
Fire Protection Engineer  
Clark County, NV

Treasurer: Tim Spears  
Fire Marshall  
So. San Joaquin County Fire Authority

Past President: Mike Payton  
Division Chief-Fire Marshall  
City of Modesto Fire Department

ICC Board Liaison: Jim Sayers

ICC Staff Liaison: Susan Dowty

1. Welcome – Sam Palmer
2. Introduction of Region 1 Board
3. Regional Updates – Hawaii-Leolynne/California-Mike L/Nevada-Sam
4. Chapter Highlights – LA Basin Chapter – Ciara Barnett/LABC President
5. Treasurer's Report -Tim Spears
6. ICC Board Liaison – ICC Update - Jim Sayers
7. ICC Liaison – ICC Update – Susan Dowty  
-Regional Appeals Board Concept
8. General – Sam Palmer  
-Videos/Cecilia Muela-Santa Rosa – Tim Spears  
-Survey Region 1 Chapters for how we can help?  
-TTP Challenge for Region 1  
-Positive Promotion/Career Opportunities Building Officials  
-ICC ABM/Pittsburgh – Sept 20 – 23, 2021 Summary -Jim/Susan  
-ICC 2021 BOD Election Results:  
-**Cindy Davis-President**  
-**Michael Wich – Vice President**  
-**Stuart Tom-Secretary/Treasurer**  
-**Randy Metz – Section A**  
-**Jim Sayers – At Large**  
-**David Spencer – At Large**  
-*Benjamin Breadmore-At Large*  
-*Kris Bridges-Section E*  
-ICC 2021 Chapter Merit Award – Los Angeles Basin Chapter  
-ICC 2021 Meritorious Service Award – Rocco Davis  
-ICC 2021 Innovation Code Admin Award – City of Modesto, CA
9. **Guest speakers:**  
-**IECC – “Leading the Way to Energy Efficiency”**  
**Kristopher Stenger, ICC Director of Energy Programs**  
-**Rich Anderson – ICC/Director of PMG**
10. Upcoming Meeting Schedule  
-Next Board Call: November 16, 2021 @ 4pm pst  
-Next All Chapter Call: January 25, 2021 @ 4pm pst  
-2021 CALBO Education Week – Oct 25-28 Ontario, CA  
-ICC LiveLearn Nov 15-18, 2021 – Homelessness/Best Practices
11. For the Good of the Order



# DISABLED ACCESS TRAINING - FRIDAY, OCTOBER 8, 2021



ICC Course  
No. 28043  
7 hours  
(0.7 CEUs)

**PREFERRED  
EDUCATION  
PROVIDER**



*Presented by:*  
*John Caprarelli, P.E., CASp*  
*Certified Access Specialist*  
*Building Official*

## **Topics covered in this course:**

A brief history of accessibility regulations including a review of the Americans with Disabilities (ADA), as they pertain to federal, state and local government, and commercial building facilities. A detailed study of the 2019 Calif. Bldg. Code (CBC) provisions for accessibility to public buildings, public accommodations, and commercial buildings and facilities. This seminar has been updated to include the 2019 CBC mid-cycle code changes that will become enforceable on 07/01/21

**This course fulfills the California Architects Board Continuing Education Requirements**



*City of Ukiah*

COMMUNITY DEVELOPMENT  
& PLANNING DEPARTMENT

300 SEMINARY AVENUE  
UKIAH, CA 95482



## **TRAINING LOCATION & TICKET INFORMATION**

**200 School St, Ukiah, Ca 94582**

**Cabernet Room One**

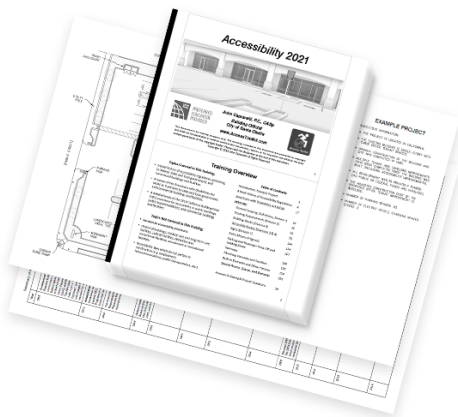
**8 AM to 4:00 PM - Check-in begins at 7:30 AM**

**Coffee and refreshments will be served in the morning and lunch will be catered.**

**Pricing: \$75.00 per person.**

**TICKET LINK: <https://reaco.ticketspice.com/city-of-ukiahreaco-accessibility-training>**

**Contact: Matt Keizer (707) 467-5718**

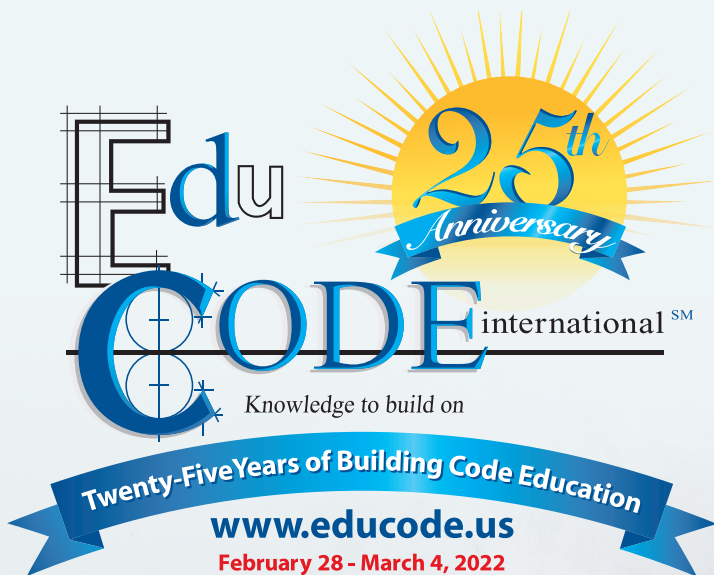


Attendees will receive a 30 day trial subscription to the Access Toolkit website at no charge.

An extensive training manual with hundreds of photos, illustrations and examples is available for purchase at [www.accesstoolkit.com/manual](http://www.accesstoolkit.com/manual). Purchase by 9/25/21.



For More Info,  
Contact Access Toolkit  
[www.accesstoolkit.com](http://www.accesstoolkit.com)  
(818) 399-6886



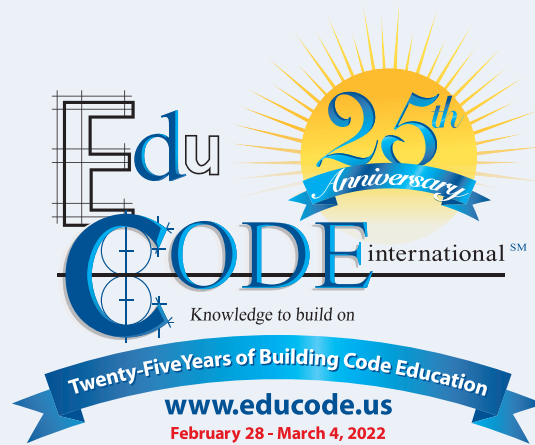
Most classes offered  
**live and virtual!**

**Feb. 28 – Mar. 4, 2022**

1-888-ICC-SAFE (422-7233), ext. 33821

[shop.iccsafe.org/educode](http://shop.iccsafe.org/educode)





Welcome to the 25th Anniversary of EduCODE!!

EduCODE is back and better than ever. We now offer both in-person classes as well as virtual classes to help meet the demands and necessities of you, our friends and customers. EduCODE continues to be designed around your comments, suggestions and needs to maintain our commitment to be the finest educational training for code professionals anywhere. EduCODE continues to offer over 80 different courses to ensure we meet the changing needs of all who attend.

Presented by the Southern Nevada Chapter of the International Code Council, EduCODE 2022 provides all courses at one location, or online if you prefer, and all are Preferred Provider approved, with many being approved by AIA as well. Attendees have numerous opportunities to brainstorm, share ideas, concepts, problems, issues and thoughts with the instructors, industry professionals, ICC staff and fellow code professionals.

Whether attending for the entire week or one day, your EduCODE experience will be rewarding, beneficial and fun! Our several networking events are designed to bring participants, instructors, industry representatives and staff together, outside of the classroom, in relaxed, informal and fun settings to further the EduCODE experience.

As always, I look forward to meeting everyone of you at EduCODE and look forward to another outstanding event. Should you have any questions, please stop by and ask any of our EduCODE volunteers, or if online please call or email. We are here to ensure you have the best experience possible and again, welcome to our 25th Anniversary. You'll be glad you're attending!!

Sincerely,

Alan Ellis  
EduCODE Director

## SESSION DESCRIPTIONS – MONDAY, FEBRUARY 28

### 2021 IRC Essentials

SESSION 1



CEU: 0.8

Instructor: Cash Olszowy

This seminar examines basic concepts of the 2021 *International Residential Code*® (IRC®) that provide a basis for the correct utilization of the code. A clear understanding of the identified requirements allows the code user to apply the IRC in specific situations and helps to build an understanding of the code's intended application. This seminar will also help the code user to correctly locate the applicable code requirements.

### 2018 IRC Essentials

SESSION 2



CEU: 0.8

Instructor: Sandra Hyde

This seminar examines basic concepts of the 2021 *International Residential Code* (IRC) that provide a basis for the correct utilization of the code. A clear understanding of the identified requirements allows the code user to apply the IRC in specific situations and helps to build an understanding of the code's intended application. This seminar will also help the code user to correctly locate the applicable code requirements.

### 2021 IBC Use of Fire and Smoke Separations

SESSION 3



CEU: 0.4

Instructor: George Mann

This seminar identifies the many and varied conditions identified in the IBC where fire and/or smoke separations are required. The discussion will focus on those required locations where fire-resistance-rated wall and horizontal assemblies, as well as smoke-resistive wall and horizontal assemblies, are either required by the IBC or utilized by design professionals as alternative approaches to code compliance. Such locations include the selective or mandated use of fire walls, fire barriers, fire partitions, smoke barriers, horizontal assemblies and other separation elements.

### 2021 IBC Special Building Types, Features and Hazards

SESSION 4



CEU: 0.4

Instructor: George Mann

Based on selected provisions in IBC Chapter 4, this seminar focuses on selected special building types, features and hazards. High-rise buildings, underground buildings, parking garages are specialized buildings that have their own unique considerations. Atriums, stages and platforms are building features that are evaluated in a special manner due to the hazards involved. Combustible storage, use and storage of hazardous materials, spray application of flammable finishes, medical gas storage rooms, control areas and laboratory suites are also addressed.

### What's New for the NEC?

SESSION 5



CEU: 0.8

Instructors: Christel & Randy Hunter

This is a fast-paced seminar that will cover major changes in the *2020 National Electrical Code*®. Photos and illustrations will be used to show how the NEC® is changing and how those changes will affect electrical installations. A few of the changes include: GFCI protection expansion, emergency disconnects for dwellings, changes to lighting load calculations, new articles, and the extensive reorganization of Article 310. ***Attendees should bring a 2020 NEC.***



## SESSION DESCRIPTIONS – MONDAY, FEBRUARY 28

### 2021 IFC Performing Commercial Fire Inspections



CEU: 0.8  
Instructor: Kevin Scott

This seminar focuses on the process of conducting commercial fire inspections based on the requirements of the 2021 *International Fire Code*®. Specifically, the seminar provides participants with checklists and strategies that enable those performing commercial fire inspections to determine whether the materials, design, construction, installation and location of building components and systems comply with the code.

SESSION 6

### 2018/2021 UMC/IMC Code Changes



CEU: 0.4  
Instructor: Tim Collings  
**\*Live Session Only\***

Keep up-to-date on the *Uniform Mechanical Code*® (UMC®)/*International Mechanical Code*® (IMC®) by learning about the changes from 2018 to the 2021 edition. Each notable change to the code will be discussed in depth so attendees see exactly how the code changed, why the code changed, and what impact it will have on the code enforcement and installer communities.

SESSION 9

### Senior Living Facilities



CEU: 0.8  
Instructor: Steve Thomas

This full day seminar will explore the design and review of senior living facilities under the *International Building Code*®. The market is supporting the development of mixed used projects that include independent living facilities (Group R-2), assisted living facilities (Group I-1), memory care facilities (Group I-2) and other associated occupancies. This seminar will discuss the inherent issues with these types of uses and application of the code provisions. The discussion will also include the interaction of the IBC and NFPA 101 Life Safety Code in these types of uses.

SESSION 7

### 2018/2021 UPC/IPC Code Changes



CEU: 0.4  
Instructor: Tim Collings  
**\*Live Session Only\***

Keep up-to-date on the *Uniform Plumbing Code*® (UPC®)/*International Plumbing Code*® (IPC®) by learning about the changes from 2018 to the 2021 edition. Each notable change to the code will be discussed in depth so attendees see exactly how the code changed, why the code changed, and what impact it will have on the code enforcement and installer communities.

SESSION 10

### Communications



CEU: 0.8  
Instructor: Tim Schneider

The ability to communicate effectively and at the right frequency is the core of success in leadership, business and life. Those that are able to relay instructions, vision and more, can connect with others, enhance personal productivity and avoid unneeded conflicts.

This program will enhance the ability to listen, communicate clearly, manage communication tone, match communication style, and control non-verbal tone. Additionally, communication boundaries, frequency and the incredibly important skill of communication richness will be presented. Leadership IMPACT-Communications introduces participants to the powerful DiSC assessment as a highly accurate predictor of communication style and other key tendencies.

SESSION 11

### Residential Plan Review



CEU: 0.8  
Instructor: Gil Rossmiller

Designed to provide a broad overview of the process for residential plan review, this one day seminar will provide the basic steps involved to complete a comprehensive review of a residence. The seminar will discuss the tools and process for conducting a residential plan review. It will also increase your awareness of the necessary items required to ensure code compliance of the homes built in your jurisdiction.

SESSION 8

## SESSION DESCRIPTIONS – MONDAY, FEBRUARY 28

### Courtroom Procedures for Code Officers

SESSION 12



CEU: 0.4  
Instructor: Marcus Kellum

This seminar introduces and reinforces guidelines for code officers while appearing in front of Enforcement Boards, or Judges.

### Code Enforcement and Landlord-Tenant Relations

SESSION 13



CEU: 0.4  
Instructor: Marcus Kellum

When dealing with rental properties, local code officers may encounter property owners who shift compliance responsibilities to their tenants, and tenants who shift compliance responsibilities to their landlords. Although the Landlord-Tenant Act governs some of these interactions, cities and counties can adopt additional restrictions and regulations to clarify the responsibilities of both property owners and tenants.

### 2021 IBC Means of Egress

SESSION 14



CEU: 0.8  
Instructor: Doug Thornburg

This seminar addresses numerous provisions in the 2021 IBC pertaining to establishing a compliant means of egress system in buildings. The seminar is intended to assist designers, plan reviewers, inspectors and code officials in applying the concepts and applications of both the egress design provisions and the egress component requirements. General topics of discussion include the determination of occupant loads, exit access design, including egress distribution, common path of egress travel, egress illumination and exit signs, and exit components, such as interior exit stairways, exit passageways and horizontal exits.

### 2021 IECC Significant Changes

SESSION 15



CEU: 0.8  
Instructor: Jerica Stacey

This seminar reviews those key changes from the 2018 to the 2021 edition of the *International Energy Conservation Code*® (IECC®). The discussion will address changes to both the residential and commercial provisions of the IECC. The seminar will assist code officials, plans examiners, inspectors and design professionals in identifying the specific code changes that have occurred and understanding the reasoning behind the changes. In addition, the presentation will provide a broad overview of the IECC, its scope and application, as a means to provide context to the topics under discussion. The program is based on the ICC publication *Significant Changes to the International Energy Conservation Code, 2021 Edition*.

### The Complete Permit Technician

SESSION 16

CEU: 1.6  
Instructor: Steve Burger

This 2-day seminar is intended to provide essential information in the areas of code administration and history, legal aspects, customer service, basic plan review, inspection process, zoning requirements, permit fee calculations, basic occupancy and construction types, basic means of egress and dealing with difficult customers. The seminar is also beneficial for preparing for the Permit Technician Certification Exam.

**Required Materials:** *Calculator, 2015 or 2018 International Building Code, 2015 or 2018 International Zoning Code*®, *Legal Aspects of Code Administration*

**Recommended Materials:** Basic Code Enforcement

## DESCRIPTIONS – MONDAY, FEB. 28

### 66 Fire Inspector I Certification Test Academy

SESSION 17



CEU: 2.0  
Instructor: Scott Adams  
**\*Live Session Only\***

The 66 – Fire Inspector I Certification Test Academy features expert instruction and includes interactive review exercises, practice exams and individual and group-based activities to help you get better prepared to take the exam. Throughout the academy you will be given an opportunity to answer questions that reference the exam resources. Main Topics include: General Inspection Administration, General Provisions for Fire Safety, Occupancies, and Regulated Materials and Processes.

**Required Materials:** 2018 *International Building Code*, 2018 *International Fire Code*, Fire Inspection and Code Enforcement IFSTA (available at [www.ifsta.org](http://www.ifsta.org))

**NOTE:** Exam not included but can be purchased separately.

### B1 Residential Inspector Certification Test Academy

SESSION 18



CEU: 2.0  
Instructor: John Gibson and Tim Ryan  
**\*Live Session Only\***

The residential building inspector test academy is designed to assist you with taking the B1 Certification Exam. The test academy will cover in detail the topics of the exam. Throughout the academy you will be given an opportunity to answer questions that reference the exam resources. The topics that will be covered: code administration; building planning; footings and foundation; floor construction; wall construction and coverings; roof/ceiling construction and public safety and special construction of the residential building inspector certification exam.

**Required Materials:** 2018 *International Residential Code*

## DESCRIPTIONS – TUESDAY, MARCH 1

### 2021 IRC Significant Changes

SESSION 19



CEU: 0.8  
Instructor: Cash Olszowy

This seminar reviews and analyzes selected significant changes from the 2018 IRC to the 2021 IRC. Discussions will assist code users in identifying the specific code changes that have occurred, and more importantly, understanding the reason behind the change. Finally, it explains those code changes selected due to their frequency of application, special significance or change in application.

### 2018 IFC Essentials

SESSION 20



CEU: 0.8  
Instructor: Terrell Stripling

This seminar will introduce the application of the IFC administrative requirements, occupancy classification, general precautions against fire, emergency planning and preparedness, fire service features, interior finish, decorative materials and furnishings, fire protection systems, means of egress, and provide an introduction to hazardous materials. Activities and discussions will further enhance participant learning. This seminar is designed to familiarize and assist code officials in locating, describing and applying applicable code requirements of the IFC to determine compliance or noncompliance.



## SESSION DESCRIPTIONS – TUESDAY, MARCH 1

### 2021 IBC Exterior Wall and Opening Protection



CEU: 0.4  
Instructor: Doug Thornburg

This seminar addresses the various provisions in the 2021 IBC dealing with the fire-resistance of exterior walls and the protection of doors and windows in such walls. Although exterior walls are primarily regulated due to their location on the lot, many other requirements are set forth in the code. Exterior bearing walls are regulated by Table 601, while the use of exterior exit stairways, exit courts and exterior areas of assisted rescue will also typically mandate some degree of fire-resistance.

### 2021 Types of Construction Classification and Application



CEU: 0.4  
Instructor: Doug Thornburg

Together with occupancy classification, one of the most critical steps in analyzing a building for code compliance is classifying it for type of construction purposes. This seminar will address the two distinct aspects of construction type: 1) determination of the appropriate types of construction based on building occupancy, height and area, and 2) identification of the construction and fire-resistance-rated features associated with the nine individual construction types. The permissible use of combustible materials in Type I and II noncombustible buildings will also be addressed.

SESSION 21

### Conductor Installation and Inspections

SESSION 23



CEU: 0.8  
Instructor: Christel & Randy Hunter

This is a deep dive into the NEC and conductor requirements focusing on proper installation and inspections. This seminar will include the proper sizing, installation, terminations, support for both cable and cable assemblies. We will be using the NEC as the basis for discussion. **Attendees should bring a 2020 NEC.**

### 2021 IFC Essentials

SESSION 24



CEU: 0.8  
Instructor: Kevin Scott

This seminar will introduce the application of many fundamental IFC provisions, including administrative functions, occupancy classification, general precautions against fire, emergency planning and preparedness, and fire service features. In addition, requirements for interior finish materials, decorative materials and furnishings, fire protection systems and means of egress will be discussed. An introduction to hazardous materials will also be provided. This seminar is designed to familiarize and assist code officials in locating, describing and applying applicable code requirements of the IFC to determine compliance or noncompliance.

### IBC Advanced Occupancies

SESSION 25



CEU: 0.8  
Instructor: Steve Thomas

This seminar will be an advanced review of Chapters 3, 4, 5 & 6 of the IBC. We will discuss unusual projects that many building departments seldom or ever see come across their counters. Mixed occupancies, unlimited area buildings, malls, motor vehicle occupancies and hazardous occupancies will be discussed. The seminar will also address unusual projects and include case studies.

## SESSION DESCRIPTIONS – TUESDAY, MARCH 1

### IRC Sites, Soils, Footings, Foundations and Locations on the Lot

SESSION 26



CEU: 0.8  
Instructor: Gil Rossmiller

This seminar provides in-depth training on the IRC code provisions for getting a “building out of the ground.” The seminar is applicable to all aspects of the regulatory/design/construction community, including contractors, design professionals, plans examiners and inspectors. Major topics include: Soils and Geotechnical Reports, Soils Drainage, Use of Prescriptive Tables, Slabs on Ground, Slope Requirements, Basements and Crawl Spaces.

### 2018/2021 UPC/IPC Workshop

SESSION 28



CEU: 0.4  
Instructor: Tim Collings  
**\*Live Session Only\***

Apply your code knowledge and expertise in this dynamic, hands-on workshop. Attendees will examine drawings of plumbing systems and installations for code violations in a cooperative and collaborative environment with their peers. Each drawing is designed to challenge attendees on parts of the code that are frequently misunderstood or in frequent violation. Attendees will work in groups during the workshop exercise and their findings, as well as those presented by the instructor, will be shared with the rest of the attendees for a robust learning experience.

### 2018/2021 UMC/IMC Workshop

SESSION 27



CEU: 0.4  
Instructor: Tim Collings  
**\*Live Session Only\***

Apply your code knowledge and expertise in this dynamic, hands-on workshop. Attendees will examine drawings of mechanical systems and installations for code violations in a cooperative and collaborative environment with their peers. Each drawing is designed to challenge attendees on parts of the code that are frequently misunderstood or in frequent violation. Attendees will work in groups during the workshop exercise and their findings, as well as those presented by the instructor, will be shared with the rest of the attendees for a robust learning experience.

### Team Member Engagement

SESSION 29



CEU: 0.4  
Instructor: Tim Schneider

Unlock half of your influence with team members with this learning program. Team members that are engaged will have more loyalty, work harder, produce higher quality and deliver outstanding customer service. Leaders with engaged teams and healthy work cultures experience much greater results and have better levels of personal job satisfaction.

The return on investment for team member engagement is achieved by using the strategies of relationship building and depth, managing leadership tone and understanding team member motivating factors. Creating a healthy working culture and connecting team members to the purpose of the organization are provided as extra resources in this program.

## SESSION DESCRIPTIONS – TUESDAY, MARCH 1

### Coaching Skills

SESSION 30



CEU: 0.4

Instructor: Tim Schneider

At the heart of great leaders is a great coach. A person that can provide positive feedback easily, corrective feedback without alienating a team member and someone who uses coaching to release the rest of their influence with team members. Coaching, when done correctively and well, will dramatically improve workplace performance, team member engagement and unlock the potential of all team members. In addition to positive feedback and corrective feedback, this program presents skills associated with selecting team members, releasing team members when needed and providing teaching-type coaching.

### Human Trafficking and Intersections with Code Compliance

SESSION 31



CEU: 0.4

Instructor: Elynne Greene

It is code enforcements important role in being a front line worker while doing inspections. During this seminar, the attendees will learn to recognize the signs and who to call and how to handle the situation until the appropriate departments can arrive. The seminar will be taught by a victim's advocate from Metro LVPD.

### Health and Safety Receiverships

SESSION 32



CEU: 0.4

Instructor: Curtis Wright

This seminar will discuss the following: Dangerous Buildings, Abandoned Buildings, Slumlords, Unfair Competition, Health and Safety Codes and the Code of Civil Procedure.

### 2021 IBC Fire and Smoke Protection Features

SESSION 33



CEU: 0.8

Instructor: George Mann

This seminar provides a comprehensive review of the fire and smoke protection methods established in the IBC Chapter 7. The concepts discussed will provide a basis for the analysis and identification of which components require fire-resistance ratings; where fire-resistance-rated construction is required in building construction; where smoke-resistant construction is mandated; and the use of fire door assemblies, fire window assemblies, penetration firestopping systems, fire dampers and smoke dampers.

### Firestopping

SESSION 34

CEU: 0.8

Instructor: Brice Miller

This seminar will focus on reviewing the firestopping requirements of the *International Building Code*, as well as discuss why firestop inspections have proven to be one of the most difficult challenges for code officials. We will provide code-compliant solutions for effective and efficient firestop plan review and inspections. This seminar will also touch on the ASTM firestop inspection standards along with draftstopping and fireblocking.

**2021 IBC Essentials**

SESSION 35



CEU: 0.8

Instructor: Jay Woodward

This seminar focuses on the basic concepts of the 2021 *International Building Code* (IBC), providing a basis for the correct utilization of the code's provisions. A clear understanding of the identified requirements allows the code user to properly apply the IBC and helps to build an understanding of the intent of the code and its application. The discussion will also provide a basis for beginning to develop a procedure for applying the IBC's requirements. Additionally, the seminar will address the code's scope and organization.

**2018 IBC Essentials**

SESSION 36



CEU: 0.8

Instructor Terrell Stripling

This seminar focuses on the basic concepts of the 2018 IBC that provide a basis for the correct utilization of the code. A clear understanding of the identified requirements allows the code user to apply the IBC in specific situations and helps to build an understanding of the code's intent. The discussion will assist the code user in correctly locating code requirements, provide a basis for the correct use and application of the IBC, and provide a procedure for applying the applicable requirements. The seminar will also address the organization of the IBC and how it relates to the family of International Codes.

**2021 Type A & B Units in Multi-Family Dwellings**

SESSION 37



CEU: 0.4

Instructor: Kim Paarlberg

In Group R-2 apartment buildings, it is often necessary to provide both Type A and Type B dwelling units. This seminar will identify under what conditions Type A and B units are required, as well as the technical requirements for these specific types of dwelling units. The discussion will focus on both the scoping provisions in 2021 IBC Chapter 11, as well as the technical criteria set forth in ICC A117.1-2017. The scoping requirements for public and common-use areas associated with apartment buildings, including parking and recreational facilities, will also be addressed.

**2021 IBC Mixed Occupancies**

SESSION 38



CEU: 0.4

Instructor: Doug Thornburg

Based on the provisions of IBC Section 508, this seminar addresses those special requirements applicable to buildings containing two or more occupancy classifications. The three mixed-occupancy options of accessory occupancies, nonseparated occupancies and separated occupancies are presented along with examples and exercises that illustrate the proper application of the provisions. The concept and application of incidental uses in Section 509 are also discussed.

## SESSION DESCRIPTIONS – WEDNESDAY, MARCH 2

### Controlling Current in our Electrical System



CEU: 0.8  
Instructor: Howard Herndon

This seminar is designed to provide a strong foundation on overcurrent protection. We will start with how an overcurrent device works and review the short circuit current calculations, types of overcurrent devices including fuses and circuit breakers, system coordination and sizing overcurrent devices. *Attendees should bring a 2020 NEC.*

### 2021 IFC Significant Changes



CEU: 0.8  
Instructor: Kevin Scott

This seminar reviews and analyzes selected significant changes from the 2018 IFC to the 2021 IFC. Discussions will assist code users in identifying the specific code changes that have occurred, and more importantly, understanding the reason behind the change. The code changes to be addressed were selected due to their frequency of application, special significance or change in application.

### High Rise Buildings



CEU: 0.8  
Instructor: Steve Thomas

This seminar will discuss the unique building code requirements for high-rise buildings. These types of structures create challenges for firefighters and occupants of a building in an emergency. The code provides requirements to mitigate the inherent hazards in these types of buildings. The seminar will discuss fire protection requirements, egress requirements, special inspection requirements and elevator requirements.

### IBC Inspections



CEU: 0.8  
Instructor: Bill Clayton

This seminar provides new commercial inspectors with basic techniques and an understanding of conducting inspections of small commercial buildings. The discussion will include preparation, presentation and inspections of the building, plumbing, mechanical and electrical portions of a building.

### 2018/2021 UPC/IPC, UMC/IMC Combination Inspections



CEU: 0.8  
Instructor: Tim Collings  
**\*Live Session Only\***

With the increasing budgetary and staffing restraints being experienced by code enforcement departments across the country, more and more jurisdictions are having to rely on performing combination inspections rather than having dedicated inspectors for each trade. This seminar is designed to provide the inspection and code basics for combination inspectors who find themselves inspecting plumbing and mechanical systems but have a background in another trade. The basics of the UPC and UMC will be discussed and organized in a manner that assists combination inspectors in understanding and enforcing these codes.

TRACK	Monday Feb. 28	Tuesday March 1	Wednesday March 2	Thursday March 3	Friday March 4
Track 1: 2021 I-Codes	<b>2021 IRC Essentials</b> Session 1 FULL DAY	<b>2021 IRC Significant Changes</b> Session 19 FULL DAY	<b>2021 IBC Essentials</b> Session 35 FULL DAY	<b>2021 IBC Significant Nonstructural Changes</b> Session 51 FULL DAY	<b>2021 IEBC Essentials</b> Session 67 FULL DAY
Track 2: 2018 and 2021 I-Codes	<b>2018 IRC Essentials</b> Session 2 FULL DAY	<b>2018 IFC Essentials</b> Session 20 FULL DAY	<b>2018 IBC Essentials</b> Session 36 FULL DAY	<b>2021 IBC Building Classification</b> Session 52 FULL DAY	<b>2021 IBC Commercial Accessibility</b> Session 68 FULL DAY
Track 3: 2021 I-Code Special Topics	<b>2021 IBC Use of Fire and Smoke Separations</b> AM Session 3	<b>2021 IBC Exterior Wall and Opening Protection</b> AM Session 21	<b>2021 Type A and B Units in Multi-family Dwellings</b> AM Session 37	<b>2021 IRC Inspector Insights</b> AM Session 53	<b>2021 IBC Significant Structural Changes</b> AM Session 69
	<b>2021 IBC Special Building Types, Features and Hazards</b> PM Session 4	<b>2021 Types of Construction Classification and Application</b> PM Session 22	<b>2021 IBC Mixed Occupancies</b> PM Session 38	<b>2021 IRC Deck Construction</b> PM Session 54	<b>2021 IBC Special Inspections</b> PM Session 70
Track 4: Electrical	<b>What's New for the 2020 NEC?</b> Session 5 FULL DAY	<b>Conductor Installation and Inspections</b> Session 23 FULL DAY	<b>Controlling Current in our Electrical System</b> Session 39 FULL DAY	<b>PV &amp; Energy Storage Installation</b> Session 55 FULL DAY	<b>Grounding from the Ground Up</b> Session 71 FULL DAY
Track 5: Fire Protection and Safety	<b>2021 IFC Performing Commercial Fire Inspections</b> AM Session 6	<b>2021 IFC Essentials</b> Session 24 FULL DAY	<b>2021 IFC Significant Changes</b> Session 40 FULL DAY	<b>2021 IFC &amp; IBC Hazardous Materials</b> Session 56 FULL DAY	<b>2021 IBC &amp; IFC Fire Protection Systems</b> Session 72 FULL DAY
Track 6: Advanced IBC Topics	<b>Senior Living Facilities</b> Session 7 FULL DAY	<b>IBC Advanced Occupancies</b> Session 25 FULL DAY	<b>High Rise Buildings</b> Session 41 FULL DAY	<b>IBC Advanced Means of Egress</b> Session 57 FULL DAY	<b>Applying the Codes to Cannabis Facilities</b> Session 73 FULL DAY
Track 7: Building Plan Review & Inspections	<b>Residential Plan Review</b> Session 8 FULL DAY	<b>IRC Sites, Soils, Footings, Foundations and Locations on the Lot</b> Session 26 FULL DAY	<b>IBC Inspections</b> Session 42 FULL DAY	<b>H Occupancies for Building Departments</b> Session 58 FULL DAY	<b>Assessing Alternative Materials &amp; Methods of Construction</b> Session 74 FULL DAY
Track 8: Plumbing & Mechanical	<b>2018/2021 UMC/IMC Code Changes</b> AM Session 9	<b>2018/2021 UMC/IMC Workshop</b> AM Session 27	<b>2018/2021 UPC/IPC, UMC/IMC Combination Inspections</b> Session 43 FULL DAY	<b>Indoor Cannabis Cultivation Facilities</b> Session 59 FULL DAY	<b>Health Risk of Improper Plumbing</b> AM Session 75
	<b>2018/2021 UPC/IPC Code Changes</b> PM Session 10	<b>2018/2021 UPC/IPC Workshop</b> PM Session 28			<b>UPC Grease Interceptors, Emphasis on Hydro-mechanical Interceptors</b> PM Session 76

TRACK	Monday Feb. 28	Tuesday March 1	Wednesday March 2	Thursday March 3	Friday March 4
Track 9: Leadership, Management & Personal Development	Communications  Session 11 FULL DAY	Team Member Engagement  AM Session 29	Self-Mastery  Session 44 FULL DAY	Decision Making and Ethics  AM Session 60	Innovation and Change  AM Session 77
		Coaching Skills  PM Session 30		Personal Power and Relationships  PM Session 61	Success Skills for Leaders  PM Session 78
Track 10: Code Enforcement	Courtroom Procedures for Code Officers  AM Session 12	Human Trafficking and Intersections with Code Compliance  AM Session 31	Planning and Response to Armed Assailant Events  AM Session 45	Tactical Communications  AM Session 62	The Credible Code Officer  AM Session 79
	Code Enforcement and Landlord-Tenant Relations  PM Session 13	Health and Safety Receiverships  PM Session 32	Your Personal Safety and Drugs that Impair  PM Session 46	Looking to Develop your Community-Code Enforcement's Role  PM Session 63	Been There, Done That – Code Issues  PM Session 80
Track 11: Building Specialties 1	2021 IBC Means of Egress  Session 14 FULL DAY	2021 IBC Fire and Smoke Protection Features  Session 33 FULL DAY	2021 IBC Exit Systems  AM Session 47	2021 IBC Apartment Buildings  SESSION 64 FULL DAY	2021 IBC Fire & Life Safety Principles  SESSION 81 FULL DAY
			A117.1-2017 Significant Changes  PM Session 48		
Track 12: Building Specialties 2	2021 IECC Significant Changes  Session 15 FULL DAY	Firestopping  Session 34 FULL DAY	Mass Timber  Session 49 FULL DAY	Wood: Fire Hazard & Fire-Rated Construction  Session 65 FULL DAY	Wind Design  AM Session 82
Track 13: Building Administration	The Complete Permit Technician  Session 16 TWO DAYS		So You Want to be a Building Official  Session 50 FULL DAY	Road to Success – What's Next?  Session 66 TWO DAYS	
Track 14: Certification Test Academy 1	66 Fire Inspector I Certification  Session 17 2.5 DAYS				
Track 15: Certification Test Academy 2	B1 Residential Inspector Certification Test Academy  Session 18 2.5 DAYS				

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## Self-Mastery

SESSION 44



CEU: 0.8  
Instructor: Tim Schneider

"No one is fit to command another that cannot command himself" said William Penn and he could not be more right. The ability to manage and master your own behaviors will have an enormous impact on your ability to lead and maintain credibility with your team. Team members look to their leaders for calm, controlled and hopeful responses, especially during tough times.

This program will dive deeply in to self-awareness, understanding the real and authentic you, uncovering blind spots in your behavior, looking at reaction hot buttons and noting core emotional composition. From there, the power comes with enhanced confidence, optimism, resilience, self-control and the ability to encourage others. Leadership IMPACT-Self-Mastery utilizes the powerful DiSC assessment to assist in discovering blind spots and other behavioral traits.

## Planning and Response to Armed Assailant Events

SESSION 45



CEU: 0.4  
Instructor: Gary Shelton

An armed assailant is an individual actively engaged in killing or attempting to kill people in a confined and other populated area. In most cases, armed assailants use firearms and there is no pattern or method to their selection of victims. Armed Assailant events are unpredictable and evolve quickly. This seminar provides guidance to individuals, including managers and employees so that they can be better prepared and respond to an armed assailant event.

## Your Personal Safety and Drugs that Impair

SESSION 46



CEU: 0.4  
Instructor: Gary Shelton

This seminar is designed to train business professionals (administration and staff) to recognize the signs and symptoms of an employee or customer who may be under the influence of drugs. By quickly recognizing certain signs and behaviors attendees will be able to take steps to protect themselves and others. It is adapted from a program that has been in use by law enforcement since the late 70's which is sponsored by the National Highway Traffic Safety Administration (NHTSA) and the International Association of Chiefs of Police (IACP).

## 2021 IBC Exit Systems

SESSION 47



CEU: 0.4  
Instructor: George Mann

This seminar focuses on IBC Chapter 10 means of egress components that are defined and regulated as exits. These components, defined in Chapter 2, are considered as high-level elements that provide a considerable degree of occupant protection within the means of egress system. The exit discharge provisions will also be discussed. Specific topics include interior exit stairways, exit passageways, horizontal exits and exterior exit stairways.

## A117.1-2017 Significant Changes

SESSION 48



CEU: 0.4  
Instructor: Kim Paarlberg

This seminar offers in-depth coverage of the important changes from the 2009 to the 2017 ICC A117.1 Accessibility Standard. The seminar identifies important changes in organization, accessibility standard requirements and the applicability of these requirements to design, plan review and inspection.



## DESCRIPTIONS – WED., MARCH 2

### Mass Timber Building and the IBC

SESSION 49



CEU: 0.8

Instructor: Buddy Showalter

This seminar will provide an overview of mass timber which includes any product currently permitted for use in Type IV (heavy timber) construction such as cross-laminated timber (CLT), structural composite lumber (SCL), glue laminated timber (glulam), mechanically laminated decking (aka nail-laminated timber, NLT), and large section sawn timbers. NLT, glulam, SCL, and solid-sawn timbers have been adopted in the International Building Code (IBC) and utilized throughout the world for several decades on a wide variety of buildings. Learn what's new in 2015/2018 IBC for Mass Timber Construction as well as an overview of Tall Mass Timber Construction per the 2021 IBC. Topics include heights and areas, construction fire safety, fire and connection design and special inspection, with Tall Mass Timber Construction in accordance with the 2021 IBC will be discussed.

### So You Want to be a Building Official

SESSION 50

CEU: 0.8

Instructor: Steve Burger

This seminar is designed for any Building Department employee who would like more information on just what it takes to be a successful Building Official OR Manager/Supervisor. The seminar will discuss basic decision-making, legal and ethical topics, customer service, image of the Building Department and its employees, political issues, professional development, dealing with the media, staffing and budgeting. The discussion will be kept at a level that can be understood by all attendees and will encourage an abundance of input and discussion. Who should attend: Building Officials, Plans Examiners, Building Inspectors, Permit Technicians, Code Enforcement Officers or Department Directors.

## DESCRIPTIONS – THURS., MARCH 3

### 2021 IBC Significant Nonstructural Changes

SESSION 51



CEU: 0.8

Instructor: George Mann

This seminar reviews and analyzes selected significant nonstructural changes from the 2018 to the 2021 edition of the *International Building Code* (IBC). Although the focus of the presentation is on revisions to the IBC fire- and life-safety provisions, additional areas of discussion include accessibility, construction materials and building services. The seminar assists building officials, fire officials, plans examiners, inspectors and design professionals in identifying the specific code changes that have occurred and understanding the reasoning behind the changes. The program is based on the ICC publication *Significant Changes to the International Building Code, 2021 Edition*.

### 2021 IBC Building Classification

SESSION 52



CEU: 0.8

Instructor: Doug Thornburg

This seminar addresses the key issues of the 2021 IBC regarding the proper classification of buildings. The process for correctly evaluating a building for code compliance relies on a systematic approach to the determination of occupancy classification and construction type. Everything starts with the correct building classification! A clear understanding of the classification process as established in IBC Chapters 3, 5 and 6 provides the groundwork for the proper application of many other important code provisions.

## SESSION DESCRIPTIONS – THURSDAY, MARCH 3

### 2021 IRC Inspector Insights

SESSION 53



CEU: 0.4  
Instructor: Buddy Showalter

Mid-career residential inspectors and plans examiners will find this seminar insightful as will designers looking for a review of common construction issues. With a focus on wood construction, the seminar addresses floor, wall and roof assemblies, common footing and foundation issues, and how to recognize alternate acceptable methods as opposed to problems requiring modification in residential construction. This seminar is based on 2021 *International Residential Code* provisions.

### 2021 IRC Deck Construction

SESSION 54



CEU: 0.4  
Instructor: Sandra Hyde

This seminar introduces basic design and construction methods for single-story residential wood decks. Vertical and lateral load paths of conventional residential decks are addressed. Specific design guidance includes convenient tables for sizing joists, beams, posts, and footings. Connection methods covered include deck ledger to the structure, lateral tension devices, beam to column, and guard post to joist connections. Potential hazards due to glass, water, and electricity will be covered. This seminar is based on 2021 *International Residential Code* (IRC) provisions.

### PV & Energy Storage Installation

SESSION 55



CEU: 0.8  
Instructor: Mark Ode

This seminar is focused on the proper installation of PV and energy storage systems. These critical systems are often misunderstood by the contractor and inspectors in the industry. There are critical installation and safety guidelines for these installations in both new, existing residential and commercial facilities that must be followed. **Attendees should bring a 2020 NEC.**

### 2021 IFC & IBC Hazardous Materials

SESSION 56



CEU: 0.8  
Instructor: Terrell Stripling

This seminar addresses requirements for buildings utilizing hazardous materials and requiring coordination between the fire and building codes. It reviews the requirements found in Chapters 50 through 67 of the *International Fire Code*, as well as Chapter 3, and Sections 414 and 415 of the *International Building Code*.

### IBC Advanced Means of Egress

SESSION 57



CEU: 0.8  
Instructor: Steve Thomas

An advanced look at the means of egress requirements included in Chapter 10 of the *International Building Code*. The seminar will include detailed discussions on the design and review of the means of egress in unusual occupancies. Subjects included in the seminar are malls, assembly occupancies, special egress components, smoke proof enclosures, horizontal exits and exit passageways. Practical examples will be used to illustrate code requirements. This seminar is designed for those students that have a basic understanding of how the means of egress is designed and reviewed.

## H Occupancies for Building Departments

SESSION 58



CEU: 0.8  
Instructor: Bill Clayton

This is a full day seminar that covers the subject of hazardous materials to assist the Building Official in properly dealing with the more dangerous occupancies. The pertinent sections of the IBC regarding Hazardous Materials will be covered, including each type of H occupancy, as well as additional sections of some other codes. The seminar covers how to correctly classify materials, correctly determine when a label of "H" occupancy is appropriate, and determines various manners of protection required to reduce risk. Control areas, storage, open and closed systems will all be discussed in depth.

## Indoor Cannabis Cultivation Facilities

SESSION 59



CEU: 0.8  
Instructor: Jeff Hutcher  
**\*Live Session Only\***

This full day seminar covers plumbing, mechanical, building, fire, energy, state regulations, and limited electrical codes. The seminar also covers the growing process, from propagation to flowering and will help cultivators, regulators, architects, designers and engineers make sense of the myriad of regulations and special processes used in cultivation. We'll also cover new technologies for cultivation. Many mistakes are made from design deficiencies that may be code compliant, but make cultivation difficult. We'll cover how to avoid the mistakes that currently plague the industry.

## Decision Making and Ethics

SESSION 60



CEU: 0.4  
Instructor: Tim Schneider

A leader's decisions become a lasting part of his or her legacy. Making the right decision, in the right time frame, with the correct information and involving the right people is one key focus of this program. The delicate balance between rash or too quick decisions and overly deliberative decisions is the starting point followed by examining decision making levels and who should be making those decisions. Understanding unintended consequences and applying some basic critical thinking will improve decision quality tremendously.

As important as decisions are, making sure those decisions and other choices maintain ethical congruence is equally important. This program will provide participants with the tools to keep integrity always, refer to an organization's ethical values and avoid pitfalls associated with personal morality and beliefs. When ethical values are strong, a leader maintains the highest credibility with her or his team and can continue to successfully lead.

## SESSION DESCRIPTIONS – THURSDAY, MARCH 3

### Personal Power and Relationships

SESSION 61



CEU: 0.4

Instructor: Tim Schneider

Although the word power has certain stigma attached, leaders need power to operate and to lead. This program will provide the skills to manage the types of leadership power and create an effective balance between the five power types for a more successful connection with team member and more sustained organizational results.

Relationship power is the most critical of the power types and building networks of influence using relationship techniques will be provided. Additional tools for Leadership Success-Personal Power and Relationships include seeing the big picture or global perspective, appreciation of workplace diversity and creating some charismatic charm for your role as a leader.

Because this leadership competency is about the outward you, key skills related to teamwork, empathy and dealing successfully with conflict will also be presented.

### Tactical Communications

SESSION 62



CEU: 0.4

Instructor: Gary Shelton

Tactical Communication is a set of tools to gain the cooperation and respect of people from all economic backgrounds, especially those from poverty. Information is tailored to help understand the driving forces in poverty, middle class, and wealth. A better understanding of class allows Code Enforcement Officers to be more effective on each call.

### Looking to Develop your Community-Code Enforcement's Role

SESSION 63



CEU: 0.4

Instructor: Tana Bryant

How code enforcement is essential to the development of your community, whether it is through the building, zoning or property maintenance codes, the attendees will learn the steps needed to encourage compliance with the codes as well as maintaining standards for future use.

### 2021 IBC Apartment Buildings

SESSION 64



CEU: 0.8

Instructor: Jay Woodward

The design and construction of apartment buildings requires the application of both fundamental and unique IBC requirements. This seminar focuses on those provisions that are commonly encountered in these types of residential buildings. Requirements specific to residential building classification, fire-resistance-rated construction and separations, fire protection systems, and means of egress are addressed. In addition, detailed provisions discussed will include podium buildings, occupied roofs, incidental uses and dwelling unit separations.

## DESCRIPTIONS – THURS., MARCH 3

### Wood: Fire Hazard & Fire-Rated Construction

SESSION 65



CEU: 0.8  
Instructor: Mike Eckoff

This seminar will consist of two parts: Fire-rated construction basics and application of fire-retardant-treated wood (FRTW).

The first component will explore the use of wood in fire-resistance-rated construction. This segment will include discussion on why the code requires fire resistance and where it is required for wood construction. The discussion will address different fire resistance assemblies, their normal construction under the IBC, and issues arising in plan review and field inspection.

The second component will provide an interactive lecture on FRTW, supported by short videos and historical case studies. Seminar participants will learn about FRTW's history, manufacturing, durability, and its performance compared to steel and concrete. Code applications and plan review/field compliance strategies will be emphasized. Fire hazards posed by the wildland-urban interface will comprise the final segment.

### Road to Success – What's Next?

SESSION 66



CEU: 1.6  
Instructor: Terry Knox

This 2-day seminar is designed for supervisors, managers and leaders, it contains elements and techniques designed to assist in creating strong teams in building, code enforcement and fire departments.

More and more supervisors are leading in environments of rapid disruption and leading teams who may be working remotely or a hybrid model. Today, with travel restrictions and reduced budgets the need for team effectiveness has intensified. This program prepares new and existing leaders for the ever-changing needs of the world by developing critical skills needed to succeed, building resiliency, collaborating with others and solving complex challenges.

## DESCRIPTIONS – FRIDAY, MARCH 4

### 2021 IEBC Essentials

SESSION 67



CEU: 0.8  
Instructor: Tim Ryan

This seminar will introduce critical concepts of the 2021 *International Existing Building Code*® (IEBC®). It will provide a basis for the correct use and application of the code. The discussion will build an understanding of the intent of the code through detailing basic tables, categorizations and a case study.

### 2021 IBC Commercial Accessibility

SESSION 68



CEU: 0.8  
Instructor: Kim Paarlberg

This seminar focuses on the requirements for the design and construction of accessible commercial buildings for compliance with 2021 IBC and ICC A117.1-2017. It addresses both the scoping provisions of the IBC and the technical requirements of the A117.1 standard to ensure that people with physical impairments, visual impairments and hearing impairments can use buildings and facilities. Attendees will participate in activities that involve questions and answers, group discussion and case studies.

### 2021 IBC Significant Structural Changes

SESSION 69



CEU: 0.4  
Instructor: Buddy Showalter

This seminar reviews and analyzes selected significant structural changes from the 2018 to the 2021 edition of the *International Building Code*. This presentation examines revisions to the IBC structural provisions, including loads, material requirements, special inspection and deep foundation design. The seminar assists building officials, plans examiners, inspectors and design professionals in identifying specific code changes and understanding the reasoning behind the changes. The program is based on the ICC publication *Significant Changes to the International Building Code, 2021 Edition*.

## SESSION DESCRIPTIONS – FRIDAY, MARCH 4

### 2021 IBC Special Inspections

SESSION 70



CEU: 0.4  
Instructor: Sandra Hyde

Mid-career residential plans examiners, inspectors and building officials will find this seminar insightful as will special inspectors, architects and engineers interested in a building department's vision of special inspection requirements. Topics include special inspector versus other stakeholders' duties, comparison of jurisdictional inspection with special inspection, and a discussion of the steps involved in creating a special inspection program in a building department. This seminar is based on the provisions of the 2021 *International Building Code* and best practices considered in the 2021 *Special Inspection Manual*.

### Grounding from the Ground Up

SESSION 71



CEU: 0.8  
Instructor: Randy Hunter &  
Howard Herndon

This seminar is a must for anyone looking to broaden their understanding of grounding from the concrete encased electrode to grounding at services. We will cover the fundamentals and practice of grounding and bonding in easily understood language. We will look at the tables, references and practices for each. **Attendees should bring a 2020 NEC.**

### 2021 IBC & IFC Fire Protection Systems

SESSION 72



CEU: 0.8  
Instructor: Terrell Stripling

This seminar is designed to guide participants through the 2021 IBC and IFC requirements related to fire protection systems (Chapter 9). The topics addressed include suppression systems, standpipe systems, automatic fire alarm systems, automatic detection systems and additional fire protection assemblies. Because the 2021 IFC and Chapter 9 of the 2021 IBC have such broad scopes, the focus of this seminar is to review design, construction, inspection and testing requirements for the various systems.

### Applying the Codes to Cannabis Facilities

SESSION 73



CEU: 0.8  
Instructor: Steve Thomas

This seminar will be a full exploration of the multitude of building uses and mixed uses related to the burgeoning cannabis industry, and how the codes may apply. The session will discuss the applicable requirements for these facilities in the different I-Codes and the NEC. The classification of the occupancies and different code requirements will be discussed as well.

### Assessing Alternative Materials & Methods of Construction

SESSION 74



CEU: 0.8  
Instructor: Bill Clayton

This seminar reviews the use of the alternate materials and methods requirements of the codes. The seminar will review the use of ICC evaluation reports when using the *International Building Code*. Different types of materials and methods will be discussed. Examples of how those materials and methods should be evaluated will be provided to attendees will have a better understanding of how to review or submit alternates.



## SESSION DESCRIPTIONS – FRIDAY, MARCH 4

### Health Risk of Improper Plumbing

SESSION 75



CEU: 0.4

Instructor: Jeff Hutcher

**\*Live Session Only\***

This presentation discusses the potential health and safety risks associate with improper plumbing installation, fixtures, and maintenance. Specifically covered in this program are the potential hazards of scalding as well as the major health concerns regarding the proliferation and spreading of SARS, Legionella and COVID.

### UPC Grease Interceptors, Emphasis on Hydro-mechanical Interceptors

SESSION 76



CEU: 0.4

Instructor: Jeff Hutcher

**\*Live Session Only\***

This seminar will focus on Hydro-mechanical Grease Interceptor installation and sizing per Section 1014, 2018/2021 UPC. This is a great seminar for Contractors, Engineers, Plans Examiners and Inspectors who will install, design, review and inspect hydro-mechanical grease interceptors.

### Innovation and Change

SESSION 77



CEU: 0.4

Instructor: Tim Schneider

We have more memory and storage in our phones compared to the first computers we owned. Drones deliver packages to our doorstep. Human organs are being grown in a laboratory and you can't give away CD's, DVD's or VHS tapes at a garage sale.

Change and innovation are everywhere and successful leaders both embrace change and stimulate innovation; both personally and with their team. This program provides the powerful tools to reduce the loss of productivity associated with any change event, build partnerships with those affected by change and work to condition their team and selves to embrace change. Leadership TRANSFORMATION – Innovation and Change also presents the skills needed to become more innovative, creative and produced sustained and impacting change in the working environment.

### Success Skills for Leaders

SESSION 78



CEU: 0.4

Instructor: Tim Schneider

The challenges of day-to-day operational reality for leaders is a large. To effectively lead, a set of personal skills is needed to enhance efficiency, take care of self and deal with the difficult people that pop up. Leadership TRANSFORMATION – Success Skills for Leaders provides the personal skill set needed to navigate successfully and thrive in the modern working environment.

Beginning with the key elements of time management including prioritizing, time/task blocking, reducing time parasites and scheduling, this program will enhance your personal productivity immediately. Stress management tools follow that help you cope and better understand the stress and from where it originates. The final set of skills will help you diffuse and win over difficult people. The Aegis Learning model of Listen, Validate, Respond will help you with those prickly team members, customers and even family.

### The Credible Code Officer

SESSION 79



CEU: 0.4

Instructor: Kelvin Beene

This seminar teaches officers to sustain and develop their credibility with their constituents by using scenario based training modules. This seminar teaches the theory of building the relationships between different entities internally and externally and supervisory leadership.

## SESSION DESCRIPTIONS – FRIDAY, MARCH 4

### Been There, Done That – Code Issues

SESSION 80



CEU: 0.4

Instructor: Kelvin Beene,  
Barbara Burlingame & Tana Bryant

We have all been in the same boat at one time or another; public nuisances, dangerous buildings, politics, staff issues. What works for you may not work for me but if we can discuss and try new ideas or just learning from our peers then the task at hand may not be as daunting as it seems. Learn from seasoned professionals and take that knowledge to apply to your tasks at hand. Each one of us has great input and code enforcement is an ever-changing profession in which we can think “outside the box” and gain compliance. This is a fun and interactive seminar with attendee participation.

### Wind Design

SESSION 82



CEU: 0.4

Instructor: Randy Ober

This seminar will thoroughly review and focus on ASCE 7, ASCE 7-16, modification to FM 1-28 / 1-29, metal edging and gutters, review of SPRI standards related to wind design and demonstration of DORA and FM RoofNav.

### 2021 IBC Fire & Life Safety Principles

SESSION 81



CEU: 0.8

Instructor: Jay Woodward

This seminar addresses the critical concepts of the 2021 IBC regarding fire and life safety issues. These concepts provide a basis for the correct application of the code in building planning, including the classification of buildings and occupancies. Allowable building heights and areas, fire-resistance-rated construction, fire protection systems and means of egress will also be thoroughly discussed. The content addresses issues that are necessary for many design and plan review decisions.



## REGISTRATION INFORMATION

Please visit [shop.iccsafe.org/educode](https://shop.iccsafe.org/educode) to register.

**Registration is online only.**

NOTE: Registration will require a username and password to be created with the ICC (Membership not required). Your course information, schedule and completion certificates will be available through the ICC Learning Center.

If you need assistance, please contact ICC's Learning Center at (888) ICC-SAFE or [learn@iccsafe.org](mailto:learn@iccsafe.org)

Registration fees include: instruction, reference materials or books (when applicable), lunch and break refreshments (In Person Only). Codes and other reference books are NOT provided and are the responsibility of the student. For your convenience, code books and reference materials may be purchased from the International Code Council (ICC) either online at [shop.iccsafe.org](https://shop.iccsafe.org) or onsite at the ICC Bookstore. Please review the session descriptions for required reference materials or supplies.

Attendees who have signed up for the virtual classes will receive an email with class login information before the seminar.

## REGISTRATION COSTS

### IN PERSON REGISTRATION

\$225 – Per Day or Session

\$900 – Full Five-Day Week per Registrant

### VIRTUAL REGISTRATION

\$150 – Per Day or Session

\$600 – Full Five-Day Week per Registrant

## CANCELLATION POLICY

If you need to cancel, EduCODE must receive notification in writing by January 31, 2022 to receive a full refund. All refund requests after this date will be credited toward a future EduCODE conference attendance only. Please contact [jfranklin@iccsafe.org](mailto:jfranklin@iccsafe.org) with cancellation requests.

*Should circumstances beyond the control of the Southern Nevada Chapter of the International Code Council (SNICC) arise; such as acts of God, war, acts of terrorism, civil unrest, government regulations or mandates, disaster, strikes or curtailment of transportation facilities – to the extent that such circumstances make it impossible or illegal for SNICC to provide EduCODE, SNICC, its officers, members, employees and contractors shall not be held liable or responsible beyond providing a refund for the seminar.*

## SUBSTITUTIONS

Whenever a registrant is unable to attend a paid seminar, a written request for substitution may be made by contacting the Learning Center at [learn@iccsafe.org](mailto:learn@iccsafe.org). Include the name and email address of the current registrant and the name and email address of the registrant who will be attending. Also include the names of the courses that will be impacted. *Please note that each registration may only be substituted with one person.*

## CONTINUING EDUCATION INFORMATION

All EduCODE sessions are recognized by ICC's Preferred Provider Program for CEUs toward maintenance of your



PREFERRED  
EDUCATION  
PROVIDER

ICC certifications. Please check the website for updated AIA approvals at [shop.iccsafe.org/educode](https://shop.iccsafe.org/educode). Check with your local licensing board for additional CEU requirements.

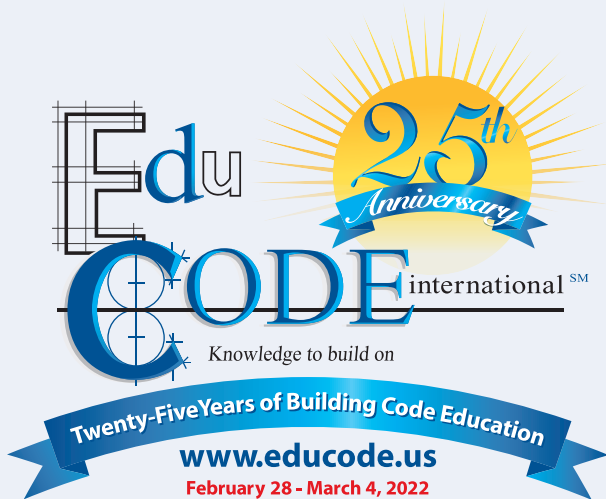
## EDUCODE EVENTS

- **Tuesday Night (March 1) | 5:30 – 7:30 PM**  
Student Appreciation and Networking Social  
Come join us for food, drinks and fun!
- **Wednesday Night (March 2) | 5:30 – 7:30 PM**  
Exhibitor and Industry Networking Game Night  
Food, drinks, games, prizes and tons of fun.
- **Thursday Night (March 3) | 6:00 – 9:00 PM**  
Annual Bowling Networking Event  
Come and join us for yet another opportunity to network outside of the classroom with your fellow students, instructors and tradeshow partners. Food, drink and prizes and lots of fun!
- **EduCODE Expo | Daily from 7:00 AM – 5:00 PM**  
Come visit the various suppliers of products and services that affect our built environment.
- **ICC Bookstore | Daily from 7:00 AM – 5:00 PM**

## CERTIFICATION & TESTING

Exams will be offered on Wednesday, 3/2, and Thursday, 3/3, at 5:30 p.m.

Please check [shop.iccsafe.org/educode](https://shop.iccsafe.org/educode) for more detailed information including tests offered and pricing.



# EduCODE International Conference & EXPO 2022

[shop.iccsafe.org/educode](http://shop.iccsafe.org/educode)

1-888-ICC-SAFE (422-7233), ext. 33821

## REGISTRATION CHECKLIST

Contact the International Code Council at 1-888-422-7233, extension 33821 or online at [shop.iccsafe.org/educode](http://shop.iccsafe.org/educode)

- Best Value \$\$ – Full week Registration
- Deadline February 21, 2022
- For registration questions, contact the International Code Council at (888) 422-7233 Ext 33821 or [learn@iccsafe.org](mailto:learn@iccsafe.org)

### Pre-Registered?

- Virtual: A link will be emailed prior to the seminar with login instructions
- On-Site: Go directly to the Registration Desk and pick up your registration packet

### On Site Registration Hours

- Sunday: 5:00 – 7:00 PM, M–F: 6:30 AM – 1:00 PM

## SCHEDULE (VIRTUAL AND IN-PERSON)

### Full-Day Class Schedule (0.8 CEU)

- Classes start: 7:30 AM Pacific Time
- Lunch Break 1½-hour break
- Classes End 5:00 PM Pacific Time

### Half-Day Class Schedule (0.4 CEU)

- A.M. Classes 7:30 AM – 11:30 AM Pacific Time
- Lunch Break 1½-hour break
- P.M. Classes 1:00 PM – 5:00 PM Pacific Time

## HOTEL CHECKLIST

- Contact The Orleans Hotel at 1-800-675-3267 or [www.orleanscasino.com/groups](http://www.orleanscasino.com/groups)
- Use EduCODE Group Code AED2C03
- Deadline January 26, 2022



International Code Council  
Training & Education Department  
4051 Flossmoor Road  
Country Club Hills, IL 60478



[www.snicc.org](http://www.snicc.org)  
[www.educode.us](http://www.educode.us)

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