

Agenda

Presented by Joseph Iliff, CBO

General Administration of the Code

- Code history and development
- Development of the International Energy Conservation Code 2021
- Development of Stretch Code
- Scope and general requirements
- Inspections
- Referenced standards

Residential Chapters 2-3

- Definitions
- Climate zones
- Materials, systems and equipment

Code Compliance Alternatives

- ResCheck
- Passive House pathway
- Performance-based compliance
- Energy rating index compliance alternative

Chapter 4: Residential Energy Efficiency

- Building thermal envelope
- R-values and U-factor alternatives
- Prescriptive insulation
- Prescriptive fenestration
- Fireplaces and fuel-burning appliances
- Energy modeling

Chapter 4: Heating and Cooling Systems

- Control systems
- Ductwork insulation and sealing
- Service hot water systems
- Mechanical ventilation systems
- Pools and spas

Chapter 4: Electrical Power and Lighting Systems

- Power systems
- Lighting systems

Stretch Code Requirements

- Energy or heat recovery ventilation
- Wiring for electric vehicle charging

Chapter 5: Existing Buildings

- Building additions
- Making building alterations
- Building repairs and maintenance
- Change of occupancy

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Residential Energy Efficiency Code Compliance and Stretch Code Requirements

Live, Interactive Webinar - Thursday, March 7, 2024

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Altoona, WI 54720-0278



Learning Objectives

You'll be able to:

Explore the scope and general residential requirements of the International Energy Conservation Code 2021 (IECC).

Compare code compliance alternatives, including performance-based compliance and energy rating index compliance.

Discuss requirements for building thermal envelopes, heating and cooling systems and electrical power systems.

Explore stretch code requirements for energy recovery and heat recovery, and for electric vehicle charging.

Apply the IECC's requirements to existing building additions and alterations.



HalfMoon Education Live Webinars

Residential Energy Efficiency Code Compliance and Stretch Code Requirements

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Discuss the development of the International Energy Conservation Code 2021 (IECC) including the Stretch Code

Explore changes in climate zones

Review options for residential code compliance

Comply with requirements for building thermal envelopes

Examine requirements for heating and cooling systems

Consider options for meeting stretch code requirements

Continuing Education Credits

Professional Engineers
7.0 PDHs

Architects
7.0 HSW CE Hours
7.0 AIA LU|HSW

International Code Council
.7 CEUs (Energy)

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Webinar Information

Log into Webinar 8:00 - 8:30 am CST	Break 12:15 - 12:45 pm CST
Morning Session 8:30 am - 12:00 pm CST	Afternoon Session 12:45 - 4:30 pm CST

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Faculty

Joseph Iliff, CBO
Building & Zoning Director for Village of Swansea, Illinois
Mr. Iliff has been a building official, building inspector, and city planner for more than 25 years, serving cities in Indiana, Texas, Missouri, and Illinois. He earned an undergraduate degree in Urban Planning and Development from Ball State University. He holds certifications as a residential building inspector, building official, city planner, and floodplain manager. He has taught classes on the residential, building, and property maintenance codes with a focus on preparing students for certification exams and effective administration.

Credit Information

This webinar is open to the public and is designed to qualify for 7.0 PDHs for professional engineers and 7.0 HSW continuing education hours for licensed architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

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The American Institute of Architects Continuing Education System has approved this course for 7.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .7 CEUs in the specialty area of Energy (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

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7.0 HSW LUs (AIA)

Additional Learning

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- Wednesday, February 14, 2024 | 9:00 am - 4:00 pm CST
- Drone Applications for Engineers**
- Thursday, February 15, 2024 | 9:30 am - 4:50 pm CST
- How to Design for Snow and Ice Loads**
- Thursday, February 15, 2024 | 1:00 - 4:00 pm CST
- 2021 International Residential Code: Energy Conservation**
- Tuesday, February 20, 2024 | 12:00 - 4:30 pm CST
- Managing Construction Costs & Supply Chain Issues**
- Tuesday, February 20, 2024 | 12:00 - 2:00 pm CST
- Roadmap to Ethical Issues in Construction: A Primer for Design Professionals**
- Wednesday, February 21, 2024 | 11:00 am - 1:00 pm CST
- Learn about Remote Pilot Training and Certification**
- Tuesday, February 27, 2024 | 9:00 am - 1:45 pm CST
- Wednesday, February 28, 2024 | 9:00 am - 1:45 pm CST
- Fire Protection for Special Occupancies: Health Care Facilities**
- Wednesday, February 28, 2024 | 9:00 am - 12:15 pm CST
- Fire Protection for Special Occupancies: Industrial Facilities**
- Wednesday, February 28, 2024 | 1:00 - 4:15 pm CST
- Planning for Electric Vehicles Charging Infrastructure for Level 2 and DC Fast Charge**
- Wednesday, February 28, 2024 | 12:00 - 2:00 pm CST
- Dam Design, Construction, and Maintenance**
- Thursday, February 29, 2024 | 9:00 am - 4:30 pm CST
- Pumping and Piping Systems**
- Thursday, February 29, 2024 | 11:00 am - 2:15 pm
- Friday, March 1, 2024 | 11:00 am - 2:15 pm CST
- International Residential Code 2021**
- Friday, March 1, 2024 | 8:30 am - 5:00 pm CST
- 2021 International Residential Code: Mechanical Systems**
- Tuesday, March 5, 2024 | 12:00 - 4:30 pm CST
- Residential Energy Efficiency Code Compliance and Stretch Code Requirements**
- Thursday, March 7, 2024 | 8:30 am - 4:30 pm CST

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