

Agenda

Presented by Christopher McWhite, CBO, HCO

Administration of the Code

Code history – Is this stuff brand new?
What is a stretch code?
What is 225 CMR?
The law: MGL 25A §6; 143 §94 (o-r); 25A;
Scope and administrative requirements
The work of the inspector, contractor, and design professional

Residential Chapters 2-3

Definitions: IECC and 225 CMR
Climate zones
General requirements: materials, systems, and equipment
Role of energy efficiency in the IEBC and IRC appendix J

Chapter 4: Residential Energy Efficiency

The Basics: You Can Get There from Here

Base code, prescriptive method

Chapter 4: Heating - Cooling - Lighting Systems & Electric Power

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

Code Compliance Alternatives

ResCheck
Passive House Building Certification
H.E.R.S.
Total building performance-based compliance
E.R.I. compliance alternative

Stretch Code Requirements

Any more 225 CMR amendments?
Energy - heat recovery - ventilation - shhh
Wiring for electric vehicle charging

Chapter 5: Existing Buildings

Building additions & alterations
Building repairs and maintenance
Change of occupancy
Referenced standards
The appendices
Development of the International Energy Efficiency Code 2024

Massachusetts Residential Energy Efficiency and Stretch Code Requirements

Live, Interactive Webinar - Thursday, March 14, 2024

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Learning Objectives

You'll be able to:

Explore the differences between the Massachusetts Residential Energy Efficiency Code and the Stretch Code.

Examine basic energy efficiency requirements for the building envelope.

Meet code requirements for HVAC systems, lighting systems and electric power systems.

Consider code compliance alternatives including Passivehouse certification, HERS and performance-based compliance.

Identify stretch code requirements, including those for energy, heat recovery and ventilation.

Comply with requirements for existing buildings.



HalfMoon Education Live Webinars

Massachusetts Residential Energy Efficiency and Stretch Code Requirements

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Discuss the scope and administrative requirements

Analyze the duties of inspectors, the contractors, and the design professionals

Examine the role of energy efficiency in the IEBC and IRC Appendix J

Dive into Chapter 4: Residential Energy Efficiency, including mechanical ventilation systems

Learn about code compliance alternatives, including Passivehouse Building Certification and H.E.R.S.

Explore Massachusetts Stretch Code Requirements

Examine Chapter 5: Existing Buildings

Discuss building additions and alterations

Continuing Education Credits

Professional Engineers
6.5 PDHs

International Code Council
.65 CEUs (Energy)

Architects
6.5 HSW CE Hours
AIA Pending



Webinar Information

Log into Webinar 8:00 - 8:30 am EDT	Break 11:55 am - 12:25 pm EDT
Morning Session 8:30 - 11:55 am EDT	Afternoon Session 12:25 - 3:50 pm EDT

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Faculty

Christopher McWhite, CBO, HCO is from Indiana and a graduate of Vincennes University. He is an accomplished building inspector and plans examiner, with 20 years of experience in public and non-profit code enforcement and inspections. Mr. McWhite has served as an inspector and plans examiner in Massachusetts, Georgia, Virginia, and Indiana. He has served on the Massachusetts Construction Supervisor Licensing exam rewriting committee to help transition the exam from the 2009 to the 2015 International Codes, as a member of the International Code Council's IPMC / IZC Code Development Committee, and as member of the ICC Building Membership Council and most recently BCAC. Mr. McWhite also currently serves as an ICC Governmental voting member representing Region 6. He has earned a combined 21 Certifications ranging from SBCCI (Legacy Code) and ICC, including Housing Code Official, Building Code Specialist, Plumbing Code Specialist, Certified Building Official, and is currently two certifications away from Master Code Professional.

Credit Information

This webinar is open to the public and is designed to qualify for 6.5 HSW continuing education hours for licensed architects in Massachusetts. This webinar offers a 6.5-hour learning opportunity to Massachusetts engineers.

The American Institute of Architects Continuing Education System has approved HalfMoon Education as a sponsor of continuing education (Sponsor No. J885). This course has been submitted for AIA CES approval and is currently pending. Only full participation is reportable to the AIA CES. Visit this course listing at www.halfmoonseminars.org for updates on pending credits.

The International Code Council has approved this event for .65 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).

On-Demand Credits

The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate.

6.5 HSW LUs (AIA)

Additional Learning

- Santa Fe Architecture Conference and Tour**
 - Thursday, February 8, 2024 | 10:30 am - 4:45 pm EST
 - Friday, February 9, 2024 | 10:30 am - 4:45 pm EST
- Evaluating and Maintaining Structural Integrity of Buildings in the Northeast**
 - Friday, February 9, 2024 | 9:00 am - 4:00 pm EST
- Natural Ventilation Principles and Techniques**
 - Monday, February 12, 2024 | 10:00 am - 5:00 pm EST
- Basement Design and Construction: Adding Economical Below-Grade Living Space**
 - Tuesday, February 13, 2024 | 9:30 am - 5:20 pm EST
- Designing and Constructing with Steel Joists**
 - Wednesday, February 14, 2024 | 10:00 am - 5:00 pm EST
- Drone Applications for Engineers**
 - Thursday, February 15, 2024 | 10:30 am - 5:50 pm EST
- How to Design for Snow and Ice Loads**
 - Thursday, February 15, 2024 | 2:00 - 5:00 pm EST
- 2021 International Residential Code: Energy Conservation**
 - Tuesday, February 20, 2024 | 1:00 - 5:30 pm EST
- Managing Construction Costs & Supply Chain Issues**
 - Tuesday, February 20, 2024 | 1:00 - 3:00 pm EST
- Roadmap to Ethical Issues in Construction: A Primer for Design Professionals**
 - Wednesday, February 21, 2024 | 12:00 - 2:00 pm EST
- Stream Restoration in the Eastern U.S.**
 - Wednesday, February 21, 2024 | 8:30 am - 4:30 pm EST
- Learn about Remote Pilot Training and Certification**
 - Tuesday, February 27, 2024 | 10:00 am - 2:45 pm EST
 - Wednesday, February 28, 2024 | 10:00 am - 2:45 pm EST
- Fire Protection for Special Occupancies: Health Care Facilities**
 - Wednesday, February 28, 2024 | 10:00 am - 1:15 pm EST
- Fire Protection for Special Occupancies: Industrial Facilities**
 - Wednesday, February 28, 2024 | 2:00 - 5:15 pm EST
- Pumping and Piping Systems**
 - Thursday, February 29, 2024 | 12:00 - 3:15 pm
 - Friday, March 1, 2024 | 12:00 - 3:15 pm EST
- International Residential Code 2021**
 - Friday, March 1, 2024 | 9:30 am - 6:00 pm EST

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