

Credit Information

Adopting and Complying with the Zero Code 2.0 **Dive into your net zero energy goals in this live online workshop**

This webinar offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects licensed in all states.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.5 LU | HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Energy (Preferred Provider No. 1232).

Completion certificates will be awarded to participants who complete this event, respond to prompts and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

International Building Code 2021

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Can't Attend? Order the Webinar as a Self-Study Package!

Recordings of each webinar are available for purchase. See course listing online for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Live, Interactive Webinars

- Adopting and Complying with the Zero Code 2.0
- International Building Code 2021

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Live, Interactive Webinars

Adopting and Complying with the Zero Code 2.0

- Tuesday, April 5, 2022 | 8:30 am - 4:30 pm CDT

International Building Code 2021

- Tuesday, April 12, 2022 | 8:00 am - 4:00 pm CDT

To register, view detailed presenter biographies,
and see other learning opportunities, please visit:

www.halfmoonseminars.org

or call our Customer Service Department at (715) 835-5900



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Adopting and Complying with the Zero Code 2.0:

Dive into your net zero energy goals in this live online workshop

Tuesday, April 5, 2022 | 8:30 am - 4:30 pm CDT (incl. a 60-min break)

Tuition: \$319 per registrant, \$289 per registrant for two or more

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Agenda

The Zero Code 2.0

- Development, scope and adoption of zero code
- Purpose and scope Definitions
- Administration and enforcement

Minimum Energy Efficiency

- ASHRAE and IECC standards Prescriptive requirement
- Performance requirement Building performance factors

Minimum Renewable Energy Requirements

- Minimum requirements by type of building and climate zone
- On-site versus off-site
- Off-site procurement and calculations

Voluntary Zero Code

- Commercial Building Envelope, lighting and mechanical requirements
- Location of code and application to projects

Complying with Referenced Codes and Standards

- Reviewing referenced codes and standards:
- ASHRAE, IECC, ASTM, AAMA, ACCA and others

Workshop: Applying the Code to Residential and Commercial Projects

- Zero Code energy calculator – hands-on session
- Zero Code renewable energy options evaluation process

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Added Value:

Enhance your learning - recording of these webinars will be available for attendees to stream online for two weeks after the program date.
(live webinar attendance required to receive credit)

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Agenda

A Brief History of Modern Code Development

- Code development process
- Chapter 1: Scope and Administration
 - Modifications and alternatives to code compliance
 - Requirements for permitting
- Chapter 3: Occupancy Classification and Use
- Chapter 4: Special Detailed Requirements Based on Use and Occupancy (summary)

Chapters 5 and 6

- Chapter 5: General Building Heights and Areas
 - Building height and area determination
 - Calculating permitted increases in height and area
 - Mixed use and occupancy
- Chapter 6: Types of Construction

Chapters 7, 8, and 9

- Chapter 7: Fire and Smoke Protection Features
 - Exterior walls
 - Fire walls
 - Fire barriers and fire partitions
 - Smoke barriers and smoke partitions
 - Horizontal assemblies
- Chapter 8: Interior Finishes
- Chapter 9: Fire Protection and Life Safety Systems

Chapters 10, 11, 16, 17, and 29

- Chapter 10: Means of Egress
- Chapters 11, 16, 17, and 19
 - Accessibility
 - Structural design
 - Special inspections and tests
 - Plumbing systems

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Faculty

Adopting and Complying with the Zero Code 2.0

Dive into your net zero energy goals in this live online workshop

Krishnan Gowri, Ph.D., BEMP, LEED AP, ASHRAE Fellow

Dr. Gowri is a subject matter expert with more than 25 years of experience in building science, high performance building design, energy codes, energy modeling and building performance simulation software tools. Currently, he is the Discipline Leader for Building Performance at Intertek Building Sciences Solutions. In this role, Dr. Gowri leads building enclosure commissioning, thermal and moisture performance analysis, and energy and sustainability assessments of facilities. Prior to joining Intertek, he lead the development of COMcheck commercial building code compliance software and served as a consultant to ASHRAE 90.1 Envelope Subcommittee, and he is now a current member of the Energy Cost Budget subcommittee. In his role as product owner at Autodesk, he was responsible for EnergyPlus integration with Revit and Insight for heating and cooling load calculations and early design analysis. Dr. Gowri is an active member of the ASHRAE technical and standards committees on computer applications, BIM, thermal and moisture performance and energy modeling.

International Building Code 2021

Jerry R. Tepe, FAIA *Owner at JRT-AIA Architect, in Concord, New Hampshire*

Mr. Tepe is a licensed architect. In practice for more than 45 years, he has been both a member and an officer of large E/A firms and a sole practitioner. His project experience ranges from single-family dwellings to large, multi-million dollar commercial and industrial facilities. As a sole proprietor, his firm specializes in building, fire and accessibility code (ADA) consulting to architects, contractors, insurance and legal professionals and private entities, including third-party plan reviews and accessibility inspections.

Mr. Tepe has been active in the code development process through the AIA since joining the AIA Codes and Standards Committee in 1987. With the creation of the International Code Council (ICC), he participated in the initial development of the International Building Code on the General/Occupancies subcommittee and was the chair of that group for two terms. Mr. Tepe was a member of the International Fire Code Development Committee for two terms and also the IBC Fire Safety and Egress Code Development Committees. Additionally he served a term on the ICC Code Correlation Committee. He has made numerous presentations to conference audiences on topics related to building code enforcement and interpretation issues.

Mr. Tepe has held all offices at both the state level (AIANH) and the regional level (AIA New England). He was active in the legislative process in New Hampshire to adopt the first statewide set of building codes. He has taught numerous code and accessibility related issues in New Hampshire, New England, at BOCA, ICC, BSA and AIA conferences and HalfMoon Education seminars and webinars. He is a past chair of the Building Code Board of Appeals in Concord, New Hampshire. He has also served on several other code and building-related state and local committees and groups and is a past chair of the AIA Center for Building Science and Performance Knowledge Community.

Additional Learning

Complying with Commercial Provisions of the 2021 International Energy Conservation Code

- Wed, Mar 9, 2022 | 8:00 am - 4:00 pm CST

Designing and Constructing All-Electric Buildings

- Wed, Mar 9, 2022 | 11:00 am - 2:15 pm CST
- Thurs, Mar 10, 2022 | 11:00 am - 2:15 pm CST

Geothermal Heating and Cooling: Technology, Applications, and Economics

- Wed, Mar 9, 2022 | 8:30 am - 4:00 pm CST

Drone Applications for Engineers

- Mon, Mar 21, 2022 | 9:00 am - 4:30 pm CST

High-Performance Building Envelopes

- Wed, Mar 23, 2022 | 10:00 am - 1:45 pm CDT
- Thurs, Mar 24, 2022 | 10:00 am - 1:45 pm CDT

Designing for Accessibility under ADA Standards and IBC

- Tues, Mar 29, 2022 | 8:30 am - 12:15 pm CDT
- Wed, Mar 30, 2022 | 8:30 am - 12:15 pm CDT

Examining Common Construction Defects and Failures

- Thurs, Mar 31, 2022 | 10:00 am - 12:00 pm CDT

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