

# Agenda

*Presented by Wendy Talarico, LEED AP*

## Development of the Energy Conservation Code's Commercial Building Requirements

Commercial energy conservation code: What's new  
A sneak peek at what's coming in 2021

## Building Envelope

Building science principles  
Review the difference between the R and U factors  
Vapor barriers, air barriers and thermal boundaries  
Calculating insulation thickness/U factors  
Slab insulation  
Fenestration requirements  
Requirements for doors and entrances  
Taking your envelope beyond code—steps for success and staying on budget

## COMcheck Introduction

Review functionality on live screen

## Heating, Ventilating and Air Conditioning Systems

Requirements for controls  
Equipment types and applications  
Ventilation standards and options  
Understanding tables

## Service Water Heating

Consideration including pipe insulation, pool covers and heat traps

## Power and Lighting

Lighting controls  
Power limitations using whole building or space-by-space method

## Case Studies: Planning, Modeling and Verifying Compliance

AEPOs  
All about the performance path – acceptable software  
Exploring energy models  
Integrated project delivery  
• Building toward the next generation energy code  
Examining required submittals/procedures

## Complying with the Commercial Provisions of the Energy Conservation Code

Live, Interactive Webinar - Tuesday, December 15, 2020

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HalfMoon Education Inc.  
PO Box 278  
Altoona, WI 54720-0278



## Learning Objectives

### You'll be able to:

**Identify** what's new in the International Energy Conservation Code (IECC), and understand the significance of the changes.

**Comply** with commercial energy code provisions on insulation thickness calculations, slab insulation, fenestration requirements, and requirements for doors and windows.

**Meet** building code requirements for heating, ventilation and air conditioning systems, including provisions on control systems and ventilation standards.

**Identify** code provisions on service water heating, lighting controls and power systems.

**Get tips on** accurate energy modeling, and learn methods to verify code compliance.



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# Complying with the Commercial Provisions of the Energy Conservation Code

*Live, Interactive Webinar - Tuesday, December 15, 2020*



**Get** an overview of changes coming in the International Energy Conservation Code

**Explore** the requirements for energy-efficient building envelopes

**Discuss** energy modeling

**Learn** about different compliance methods: COMcheck and the performance path

**Review** requirements for heating, ventilation and air conditioning systems

**Comply** with requirements for service water heating, power and lighting

## Continuing Education Credits

### Professional Engineers

7.0 PDHs

### Architects

7.0 HSW CE Hours

### AIA

7.0 LU|HSW

### International Code Council

Pending (Energy)



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# Faculty

## Wendy Talarico, LEED AP

Ms. Talarico is an ICC-certified energy and green code plan reviewer. She works as a third-party plan reviewer and consults with architects and engineers to provide energy and green code guidance. She is an instructor for Urban Green/New York State Energy Research and Development Authority’s “Crushing the Code”, an 8-hour energy code class in New York State. Ms. Talarico is a former member of the engineering outreach team for the Brick Industry Association

# Webinar Information

Log into Webinar 8:00 - 8:30 am CST	Break 12:15 - 1:15 pm CST
Morning Session 8:30 am - 12:15 pm CST	Afternoon Session 1:15 - 5:00 pm CST

## Tuition

**\$299** for individual registration  
**\$199** for three or more registrants from the same company at the same time.  
**Included with your registration:** PDF seminar manual.

## How to Register

- Visit us online at [www.halfmoonseminars.org](http://www.halfmoonseminars.org)
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

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**Cancellations:** Cancel at least 48 hours before the start of the webinar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another webinar or the self-study package. You may also authorize another person to take your place.

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

Recordings of this webinar are available for purchase. See registration panel 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.

# Additional Learning

## 2018 International Existing Building Code: Work Area Compliance Method

- Fri., December 4, 2020 | 10:00 am – 2:30 pm CST

## Structural Forensic Engineering

- Fri., December 4, 2020 | 7:30 am - 3:30 pm CST

## AIA Contract Document Workshop

- Mon., December 7, 2020 | 9:00 am - 5:00 pm CST

## IBC International Building Code 2021

- Mon., December 7, 2020 | 8:30 am - 4:20 pm CST

## Stormwater Basins and Underground Systems

- Tues., December 8, 2020 | 9:00 am - 4:30 pm CST

## Soil Mechanics and Slope Stabilization, Failures and Repairs

- Tues., December 8, 2020 | 10:00 am - 1:45 pm CST  
- Wed., December 9, 2020 | 10:00 am - 2:15 pm CST

## SketchUp for Building Professionals

- Tues., December 8, 2020 | 11:00 am - 2:45 pm CST  
- Wed., December 9, 2020 | 11:00 am - 2:45 pm CST

## Construction Cost Estimating

- Wed., December 9, 2020 | 8:30 am - 3:50 pm CST

## Technical Writing Workshop for Engineers

- Wed., December 9, 2020 | 8:30 am - 5:00 pm CST

## Drones in Construction

- Fri., December 11, 2020 | 10:00 am – 4:50 pm CST

## Introduction to HEC-HMS Modeling

- Mon., December 14, 2020 | 8:30 am – 4:00 pm CST

## Net-Zero Energy Home Design Workshop

- Mon., December 14, 2020 | 11:00 am – 2:15 pm CST  
- Tues., December 15, 2020 | 11:00 am – 2:15 pm CST  
- Thurs., December 17, 2020 | 11:00 am – 2:15 pm CST

For more information and other online learning opportunities visit:  
**[www.halfmoonseminars.org](http://www.halfmoonseminars.org)**

## Continuing Education Credit Information

This webinar offers 7.0 PDHs to professional engineers and 7.0 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), North Carolina (S-0130), and North Dakota. 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.

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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).

# Registration

## Complying with the Commercial Provisions of the Energy Conservation Code - Live, Interactive Webinar - Tues., December 15, 2020

How to Register	
<b>Online:</b> <a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a>	
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<b>Complete the entire form.</b> Attach duplicates if necessary.	
Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____	
<b>Additional Registrants:</b> Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____	
Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.	
( )  I need special accommodations. Please contact me.	

## Tuition

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- ( ) **I am not attending.** Please send me the webinar recording:
- ☐ Streamable MP4 Video/PDF Manual for **\$279.00**.
- ☐ USB Video/PDF Manual for **\$279.00**.

**Checks:** Make payable to HalfMoon Education Inc.

**Credit Card:** Mastercard, Visa, American Express, or Discover

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