

Agenda

Presented by Wendy Talarico

Development of the Energy Conservation Code's Commercial Building Requirements

Commercial energy conservation code: what's new
Compliance in other states

Regional requirements and how to meet them

- Comparisons with ASHRAE/IESNA 90.1
- Commercial vs residential: identifying projects to which it applies
- Reviewing the format and organization of the code
- Compliance paths

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

Considerations 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

Additional efficiency package options (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 Commercial Provisions of the 2018
Energy Conservation Code
Philadelphia, PA - Tuesday, April 30, 2019

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Learning Objectives

You'll be able to:

Receive an overview of the current commercial provisions of the energy conservation code and discuss anticipated changes.

Review code requirements related to the building envelope.

Receive practical guidance on heating, ventilating and air conditioning system requirements.

Learn about requirements for power, lighting and service water heating systems.

Use COMcheck or the performance path to determine compliance.

Discuss real-world case studies covering planning, modeling and compliance.



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Discuss the application and enforcement of the energy conservation code

Review code requirements related to the building envelope

Receive practical guidance on heating, ventilating and air conditioning system requirements

Use COMcheck or the performance path to determine compliance

Discuss case studies covering planning, modeling and compliance verification

Continuing Education Credits

Professional Engineers

7.0 PDHs

Architects

7.0 HSW Continuing Ed. Hours

7.0 AIA HSW Learning Units

International Code Council

.7 CEUs (Energy)

Contractors

Non-Credit Continuing Ed.



HalfMoon Education Inc.
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Faculty

Wendy Talarico, LEED AP

Ms. Talarico consults with architects and engineers throughout the Northeast to provide continuing education on a range of subjects from codes to building science. She is an instructor for Urban Green/New York State Energy Research and Development Authority’s “Conquering the Code,” an eight-hour energy code class in New York State. Ms. Talarico was a member of the engineering outreach team for the Brick Industry Association, and she is an award-winning journalist with more than 25 years of experience as a writer and editor for such publications as *Architectural Record* and *This Old House*.

Here’s what past attendees had to say about the program and presenter Wendy Talarico:

“Ms. Talarico was well informed and provided examples of things she witnessed.” – *Engineer*

“Good speaker.” – *General Construction Designer*

“Very laid back, easy to ask questions.” – *Mechanical/HVAC Engineer*

Seminar Information

Courtyard Philadelphia Downtown

21 North Juniper Street
Philadelphia, PA 19107
(215) 496-3200

Registration	Lunch (On your own)
8:00 - 8:30 am	12:15 - 1:15 pm
Morning Session	Afternoon Session
8:30 am - 12:15 pm	1:15 - 5:00 pm

Tuition

\$289 for individual registration

\$269 for three or more simultaneous registrations.

Registration does not include a copy of the Code itself.

Each registration includes a complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

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

Additional Learning

Webinar Series

Structural Forensic Engineering

- **Introduction to Forensic Engineering Process**
Wed., March 27, 2019, 11:00 AM -1:00 PM CDT
- **Causes of Failures and the Forensic Engineering Report**
Wed., March 27, 2019, 1:30 -3:30 PM CDT
- **Forensic Examination of Structures and Use in Litigation**
Thurs., March 28, 2019, 11:00 AM -1:00 PM CDT

Current Issues in Schoolyard Landscape Architecture

- **Current Issues in Schoolyard Landscape Architecture: Part 1**
Wed., April 24, 2019, 11:00 AM - 2:30 PM CDT
- **Current Issues in Schoolyard Landscape Architecture: Part 2**
Thurs., April 25, 2019, 11:00 AM - 2:30 PM CDT

Foundation Damage and Repair

- **Structure Loads, Soil Mechanics, Bearing Capacity and Geo-Environmental Hazards**
Thurs., March 28, 2019, 11:00 AM -12:30 PM CDT
- **Foundation-Wall Design and Construction**
Thurs., March 28, 2019, 1:00 -2:30 PM CDT
- **Assessment of Foundation-Slab Damage & Repair Alternative**
Fri., March 29, 2019, 11:00 AM -12:30 PM CDT
- **Assessment of Foundation-Retaining Wall Damage & Repair Alternatives**
Fri., March 29, 2019, 1:00 -2:30 PM CDT

For more information and other online learning opportunities visit:
www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects in most states, including Pennsylvania. Educators and courses are not subject to pre-approval in Pennsylvania.

This event is approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

Engineers and architects seeking continuing education credit in other states will be able to apply the hours earned at this seminar, in most cases. Refer to specific state rules to determine eligibility.

The International Code Council has approved this event for .7 CEUs in the specialty area of Energy.

This course offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any contractor licensing entity for mandatory continuing education credit.

Attendance will be monitored and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Can’t Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at \$269. 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.

Registration

Complying with Commercial Provisions of the 2018 Energy Conservation Code
Philadelphia, PA - Tuesday, April 30, 2019

How to Register	Registrant Information Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip _____ Occupation: _____ Email: _____ Phone: _____ Additional Registrants: 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.
Online: www.halfmoonseminars.org	
Phone: 715-835-5900	
Fax: 715-835-6066	
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
Complete the entire form. Attach duplicates if necessary.	

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$269.00** each.

() **I am not attending.** Please send me the self-study package:

☐ Downloadable MP3 Audio/PDF Manual for **\$269.00**.

☐ CD/Manual Package for **\$289.00**.

(Please allow four weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

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

Credit Card Number: _____

Expiration Date: _____ CV2 Code: _____

Cardholder Name: _____

Billing Address: _____

City: _____ State: _____ Zip: _____

Signature: _____

Email: _____