

# Agenda

*Presented by Lawrence Lile, PE, LEED AP BD+C, QCP*

## Complying with the Commercial Provisions of the Illinois Energy Conservation Code Day One

Wednesday, July 14, 2021 | 10:00 am - 2:00 pm CDT (including a 30-min. break)

### Development of Illinois Energy Conservation Code's (IECC's) Commercial Building Requirements

- ASHRAE/IESNA 90.1
- International Energy Conservation Code 2018 and its adoption in Illinois
- Identifying projects to which the Code applies
- Reviewing the format and organization of the code
- Examining required submittals/procedures
- Exploring energy models
- Building toward the next generation energy code

### Code Compliance Methods

- Prescriptive approach
- Component performance alternative (trade-off approach)
- Performance approach (computer modeling)
- ASHRAE 90.1 Energy rating index (residential only)

### Building Envelope

- Review the difference between the R and U factors
- Weather-resistive barriers
- Vapor barriers, air barriers and thermal boundaries
- Examples of calculating insulation thickness/U factors
- Slab insulation Advanced framing methods
- Fenestration requirements - National Fenestration Rating Council labels
- Requirements for doors and entrances Insulation requirements
- Basement insulation strategies Exterior foam

## Complying with the Commercial Provisions of the Illinois Energy Conservation Code Day Two

Thursday, July 15, 2021 | 10:00 am - 1:30 pm CDT (including a 30-min. break)

### Building Envelope, Continued

### Heating, Ventilating and Air Conditioning Systems

- Requirements for controls Equipment types and applications
- Ventilation standards and options When you can and cannot dehumidify

### 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

### Using ComCheck to Verify Compliance

**Complying with the Commercial Provisions of the Illinois Energy Conservation Code**  
Online - Wednesday, July 14 and Thursday, July 15, 2021

## Learning Objectives

### You'll be able to:

**Understand** the International Energy Conservation Code 2018 and its adoption in Illinois.

**Discuss** vapor barriers, air barriers, and thermal boundaries.

**Identify** ventilation standards and options for heating, ventilating, and air-conditioning systems.

**Examine** power limitations using the whole building or space-by-space methods.

**Explain** using ComCheck to verify compliance.

## HalfMoon Education Online Learning Complying with the Commercial Provisions of the Illinois Energy Conservation Code

*Live, Interactive Webinar Series*  
Wednesday, July 14 and Thursday, July 15, 2021



**Review** the development of Illinois Energy Conservation Code's commercial building requirements

**Understand** code compliance methods, including prescriptive, component, and performance approaches

**Examine** insulation requirements and strategies

**Discuss** HVAC systems and service water heating

**Examine** power and lighting regulations

### Continuing Education Credits

#### Professional Engineers

6.5 PDHs

#### Architects

6.5 HSW CE Hours

#### AIA

6.5 LU | HSW

#### International Code Council

.65 CEUs (Energy)

**AIA**  
Continuing  
Education  
Provider



# Faculty

**Lawrence Lile, PE, LEED AP BD+C, QCxP** *Owner of Lile Engineering in Ashland, MO*

Mr. Lile is the owner of Lile Engineering, which specializes in commercial energy solutions and LEED certification consulting. Mr. Lile has worked in the design industry for over 30 years, on healthcare, industrial, commercial and educational construction projects. He has been involved in electrical and mechanical design, as well as construction management and commissioning. He has volunteered for local city boards and commissions, including the City of Columbia Energy and Environment Commission, which he chaired from 2009 - 2015, helping the City review and adopt new building codes. Mr. Lile is a licensed professional engineer in Missouri.

# Webinar Information

## Day One: Wednesday, July 14, 2021

10:00 am - 2:00 pm CDT (including a 30-min. break)

## Day Two: Thursday, July 15, 2021

10:00 am - 1:30 pm CDT (including a 30-min. break)

*(please log into the webinar 15 - 30 minutes before start time)*

## Tuition

**\$289** 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

Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar. For more information, please visit our FAQ section of our website, or visit [www.gotowebinar.com](http://www.gotowebinar.com).

**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.

# Additional Learning

## AIA Contract Document Workshop

- Tues, June 1, 2021 | 8:30 am - 4:30 pm CDT

## How to Design and Construct MSE Walls

- Wed, June 2, 2021 | 10:00 am - 1:30 pm CDT

## Community Solar Project Workshop

- Thurs, June 3, 2021 | 8:30 am - 4:30 pm CDT

## Basics of Structural Steel Design

- Fri, June 4, 2021 | 8:30 am - 3:45 pm CDT

## National Electrical Code 2020: Grounding and Bonding

- Fri, June 4, 2021 | 8:30 am - 5:00 pm CDT

## Soils Engineering

- Tues, June 8 2021 | 11:00 am - 2:15 pm CDT

- Wed, June 9, 2021 | 11:00 am - 2:15 pm CDT

## Writing Successful Proposals and RFPs

- Tues, June 8, 2021 | 8:30 am - 5:00 pm CDT

## Practical Site Engineering: Science & Techniques

- Thurs, June 10, 2021 | 11:00 am - 3:15 pm CDT

- Fri, June 11, 2021 | 11:00 am - 2:15 pm CDT

## The Tree Course for the Mid-Atlantic Region

- Fri, June 11, 2021 | 8:00 am - 3:30 pm CDT

## Stormwater Basins and Underground Systems

- Tues, June 15, 2021 | 9:00 am - 4:30 pm CDT

## Structural Forensic Engineering

- Tues, June 15, 2021 | 10:00 am - 1:45 pm CDT

- Wed, June 16, 2021 | 10:00 am - 2:15 pm CDT

## Timber Frame Design and Construction

- Tues, June 15, 2021 | 8:30 am - 4:30 pm CDT

## International Residential Code 2021

- Wed, June 16, 2021 | 8:30 am - 4:30 pm CDT

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

## Continuing Education Credit Information

This webinar offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects licensed in Illinois. Educators and courses are not subject to preapproval in Illinois.

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 all prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

## 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. Self-study packages do not qualify for AIA credit.

# Registration

**Complying with the Commercial Provisions of the Illinois Energy Conservation Code** - Wednesday, July 14 and Thursday, July 15, 2021

## How to Register

### Online:

[www.halfmoonseminars.org](http://www.halfmoonseminars.org)

### Phone:

715-835-5900

### Fax:

715-835-6066

### Code:

### Mail:

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

### Complete the entire form.

Attach duplicates if necessary.

## 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.

## Tuition

( ) **I will be attending the live webinar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$199.00** each.

( ) **I am not attending.** Please send me the webinar recording:

Streamable MP4 Video/PDF Manual for **\$299.00**.

USB Video/PDF Manual for **\$299.00**.

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

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

Credit Card Number: \_\_\_\_\_

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