

Agenda

Presented by Lawrence Lile

2018 International Energy Conservation Code

Brief history of the IECC
Identifying which local code applies
ASHRAE 90.1
Does the IECC apply to my project?
Major Changes in the Commercial IECC
How the IECC is organized
Performance based compliance

Building Envelope

Review the difference between the R and U factors
Weather-resistive barriers
Vapor barriers, air barriers and thermal boundaries
Slab insulation
Advanced framing methods
Fenestration requirements—National Fenestration Rating Council labels
Requirements for doors and entrances
Insulation requirements
Basement and slab insulation strategies

COMcheck – A Practical Example

Create building models and analyze as a group project
Review functionality on live screen
Overview of menus, toolbars and fields
Review the most frequent COMcheck submittal mistakes
Alternatives to COMcheck

Heating, Ventilating and Air Conditioning Systems

The simplified approach and when it can save you a lot of work
Equipment types and applications
Requirements for controls
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, Additional Efficiency, Commissioning

Lighting controls
Power limitations using whole building or space-by-space method
Additional Efficiency Packages
Commissioning
Existing Buildings

Case Studies: Planning, Modeling and Verifying Compliance

Complying with the Commercial Energy Conservation Code

Jackson, MS - Tuesday, December 18, 2018

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Learning Objectives

You'll be able to:

Receive an overview of the current commercial energy conservation code, including recent major changes.

Review code requirements related to the building envelope, including insulation, weather-resistant boundaries and roof requirements.

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

Use COMcheck or the performance path to determine compliance.

Discuss a real-world case study 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 tips on heating, ventilating and air conditioning system controls

Learn about service water heating and power and lighting considerations

Discuss a real-world case study covering planning, modeling and compliance verification

Continuing Education Credits

Professional Engineers

6.5 PDHs

Architects

6.5 HSW CEHs

6.5 AIA HSW Learning Units

Interior Designers

6.5 HSW CEUs

International Code Council

.65 CEUs (Energy)

Contractors

Non-Credit Continuing Ed.



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Faculty

Lawrence Lile *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. Much of the work Mr. Lile has done over his 30-year career in engineering has focused on energy conservation. He has completed a number of level II commercial energy audits, has assisted solar installers with permit drawings and engineering calculations, and has worked with energy modeling and energy conservation measures on LEED projects. His experience includes healthcare, industrial, commercial and educational projects, as well as some residential solar projects. He is a licensed professional engineer in Missouri and Illinois.

Additional Learning

Webinar Series
Residential Energy Code

- **Introduction to the Residential Energy Code and Mandatory Requirements**
Thurs., Dec. 6, 2018, 11:00 AM - 12:30 PM CST
- **IECC Residential Building Envelope Requirements**
Thurs., Dec. 6, 2018, 1:00 - 2:30 PM CST
- **IECC Residential HVAC Requirements**
Fri., Dec. 7, 2018, 11:00 AM - 12:30 PM CST
- **International Energy Conservation Permit Pathways**
Fri., Dec. 7, 2018, 1:00 - 2:30 PM CST

Stormwater Management Systems

- **Stormwater Infrastructure Practices**
Weds., Dec. 19, 2018, 11:00 AM - 1:00 PM CST
- **Infiltration Management Techniques**
Thurs., Dec. 20, 2018, 11:00 AM - 1:00 PM CST

NFPA 70E Series

- **NFPA 70E, Part I**
Weds., Dec. 26, 2018, 11:00 AM - 3:30 PM CST
- **NFPA 70E, Part II**
Thurs., Dec. 27, 2018, 11:00 AM - 3:30 PM CST

Seismic Design and Construction

- **Seismology and Building Codes**
Thurs., Dec. 27, 2018, 11:00 AM - 3:30 PM CST
- **Seismic Design of Building Structures**
Fri., Dec. 28, 2018, 11:00 AM - 3:30 PM CST

Deep Foundations

- **Deep Foundation Site Evaluation**
Weds., Dec. 12, 2018, 11:00 AM - 12:00 PM CST
- **Overview of Deep Foundations**
Weds., Dec.12, 2018, 12:30 - 2:00 PM CST
- **Deep Foundation Pile Design**
Thurs., Dec. 13, 2018, 11:00 AM - 12:30 PM CST
- **Deep Foundation Installation and Testing**
Thurs., Dec. 13, 2018, 1:00 - 2:00 PM CST

For more information visit: www.halfmoonseminars.org/webinars/

Seminar Information

Marriott Jackson 200 East Amite Street Jackson, MS 39201 (601) 969-5100	Registration 8:00 - 8:30 am	Lunch (On your own) 12:00 - 1:00 pm
	Morning Session 8:30 am - 12:00 pm	Afternoon Session 1:00 - 4:30 pm

Tuition

\$279 for individual registration
\$259 for three or more simultaneous registrations.
Included with your registration: *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 (CDT), 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 CD/manual package. You may also send another person to take your place.

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects in most states, including Mississippi. It also offers 6.5 CEUs to Mississippi interior designers. Educators and courses are not subject to preapproval in Mississippi.

The American Institute of Architects has approved this course for 6.5 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

Engineers, architects and interior designers 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 .65 CEUs in the specialty area of Energy.

This seminar offers construction contractors a non-credit continuing education opportunity. It has not been approved by any state contractor licensing board for continuing education purposes.

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 CD/Manual Package:

An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

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How to Register

Online:
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Complete the entire form. Attach duplicates if necessary.

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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 seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.
() **I am not attending.** Please send me the CD manual package for **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

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