

Agenda

Presented by Arthur Pakatar, LEED Green Associate, CEA

Massachusetts Residential Energy Conservation Code

Current residential energy conservation code
IECC 2015
Identifying projects to which it applies
Reviewing the format and organization of the code
Examining required submittals/procedures
Exploring energy models

REScheck Introduction

Review functionality on live screen
Overview of menus, toolbars and fields
Common REScheck submittal mistakes
Alternative compliance paths

Building Envelope

Review the difference between the R and U factors
Weather-resistive barriers
Vapor barriers, air barriers and thermal boundaries
Prescriptive R or U, F, and C
Slab insulation
Fenestration requirements
Requirements for doors and entrances
Insulation requirements
Basement insulation strategies
Exterior foam

Thermal Bypass Inspection

Performance testing – blower doors and shell tightness

Heating, Ventilating and Air Conditioning Systems

Manuals J&D
The simplified approach
Requirements for controls
Equipment types and applications
Ventilation standards and options

Ductwork Sealing Requirements and Verification Testing

Case Studies: Planning, Modeling and Verifying Compliance

**Complying with the 2015 Residential
Energy Conservation Code**
Natick, MA - Thursday, November 29, 2018

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Learning Objectives

You'll be able to:

Receive an overview of the current residential energy conservation code and anticipated changes.

Review code requirements related to the building envelope, including insulation and fenestration.

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

Learn about ductwork sealing requirements and verification testing.

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



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Review the current residential energy conservation code and upcoming changes

Learn how to calculate insulation thickness and U values

Understand requirements for doors and entrances

Examine requirements for heating, ventilating and air conditioning systems

Discuss case studies: planning, modeling and compliance verification

Continuing Education Credits

Architects

6.5 HSW Contact Hours
6.5 AIA HSW Learning Units

Professional Engineers

6.5 Contact Hours (PDHs)

International Code Council

.65 CEUs (Energy)

Contractors

Non-Credit Continuing Ed.



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Faculty

Arthur Pakatar, LEED Green Associate, CEA, Stonehenge Associates
Mr. Pakatar is the principal of Stonehenge Associates, a firm dedicated to the built environment. He is an industry veteran with several years teaching home performance and construction related topics. Mr. Pakatar holds certifications from International Code Council, Association of Energy Engineers, Building Performance Institute, U.S. Green Building Council and Resnet. He is a certified code enforcement officer in New York State and holds the energy code inspector and plans examiner designations with ICC.

Over the past 10 years Mr. Pakatar has prepared and delivered training to code enforcement officers, design professionals and other construction industry stakeholders throughout the Northeast and Mid-Atlantic regions. He has taught throughout the United States. Having participated in creating protocols for several pertinent topics, he is considered a subject matter expert.

His company, Stonehenge Associates, is a member of International Code Council, ASHRAE, AEE, Northeast HERS Raters, Capital Region Builders and Remodelers Association, NYS Builders Association and National Association of Home Builders.

Seminar Information

Courtyard by Marriott Natick 342 Speen Street Natick, MA 01760 (508) 655-6100	Registration 8:00 - 8:30 am Morning Session 8:30 am - 12:15 pm	Lunch (On your own) 12:15 - 1:15 pm Afternoon Session 1:15 - 4:30 pm
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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
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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.

Additional Learning

Webinar Series

- Floodplain Mapping and Regulation**
 - **Floods, Floodplains and Introduction to Floodplain Management**
Wed., Oct. 10, 2018, 11:00 AM - 12:30 PM CDT
 - **Flood Maps and Flood Zones**
Wed., Oct. 10, 2018, 1:00 - 2:30 PM CDT
 - **Elevations in the National Flood Insurance Program (NFIP) and Floodplain Regulation**
Thurs., Oct. 11, 2018, 11:00 AM - 12:30 PM CDT
 - **Practical Floodplain Management**
Thurs., Oct. 11, 2018, 1:00 - 2:30 PM CDT
- Construction Cost Estimating**
 - **Introduction to Cost Estimating**
Thurs., Oct. 25, 2018, 11:00 AM - 12:30 PM CDT
 - **Cost Components – A Closer Look at the Estimates**
Thurs., Oct. 25, 2018, 1:00 - 3:00 PM CDT
 - **Cost Estimate Organization and Examples**
Fri., Oct. 26, 2018, 11:00 AM - 1:00 PM CDT
 - **Cost Estimating Topics**
Fri., Oct. 26, 2018, 1:30 - 3:00 PM CDT

- HEC-RAS Webinar Series**
- **Hydraulic Principles and Applications**
Thurs., Oct. 18, 2018, 11:00 AM - 1:00 PM CDT
 - **Working with the HEC-RAS User Interface**
Thurs., Oct. 18, 2018, 1:30 - 3:00 PM CDT
 - **Water Surface Profiling**
Fri., Oct. 19, 2018, 11:00 AM - 1:00 PM CDT
 - **Steady Flow Surface Profile Demonstrations**
Fri., Oct. 19, 2018, 1:30 - 3:30 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 6.5 HSW contact hours to Massachusetts architects and 6.5 PDHs to engineers in most states. Educators and courses for Massachusetts architects are not subject to pre-approval.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

Architects and engineers 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 a non-credit continuing education opportunity to construction contractors. It has not been approved by any state with a construction contractor continuing education requirement.

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

Complying with the 2015 Residential Energy Conservation Code
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How to Register	Registrant Information
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Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	Name: _____
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Complete the entire form. Attach duplicates if necessary.	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)

Checks: Make payable to HalfMoon Education Inc.

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