

Agenda

Presented by Arthur Pakatar

Development of the International Energy Conservation Code's (IECC's) Residential Building Requirements

- Current New York State (NYS) IECC
- Identifying projects to which it applies
- Reviewing the format and organization of the code
- Examining required submittals/procedures
- Exploring energy models
- Building toward the next generation energy code
- 2018 IECC and NYS implementation

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

- Visual 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 Residential Provisions of
the New York State Energy Conservation Code
Ronkonkoma, NY - Tuesday, June 11, 2019

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Learning Objectives

You'll be able to:

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

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

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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Explore the NYS residential energy code and new developments in the 2018 IECC

Review code requirements related to the building envelope

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

Learn about ductwork sealing

requirements and verification testing

Discuss case studies covering planning, modeling and compliance verification

Continuing Education Credits

Architects

- 6.5 HSW Continuing Ed. Hours
- 6.5 AIA HSW Learning Units

Professional Engineers

- 6.5 Continuing Ed. Hours

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 of experience teaching home performance and construction-related topics. Mr. Pakatar holds certifications from the International Code Council, the Association of Energy Engineers, the Building Performance Institute, the 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 certifications 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 the International Code Council, ASHRAE, the Association of Energy Engineers, the Northeast HERS Raters, the Capital Region Builders and the Remodelers Association, the New York State Builders Association and the National Association of Home Builders.

Here’s what past attendees had to say about the program and presenter Art Pakatar:

“Great Personality! Enjoyable presentation.” – *Architect*

“A good program. I'd recommend it.” – *Architect*

“Presenter was very sell spoken and knowledgeable.” – *Project Manager*

“Good seminar.” – *Professional Engineer*

Seminar Information

Courtyard by Marriott Long Island MacArthur Airport 5000 Express Drive South Ronkonkoma, NY 11779 (631) 612-5000	Registration 8:00 - 8:30 am Morning Session 8:30 - 11:45 am	Lunch (On your own) 11:45 am - 12:45 pm Afternoon Session 12:45 - 4:30 pm
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Tuition

\$289 for individual registration

\$269 for three or more simultaneous registrations.

Included with your registration:

Complimentary continental breakfast and printed seminar manual. Registration does not include a copy of the code itself.

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. You may also send another person to take your place.

Additional Learning

Webinar Series

Septic Systems Series

- **Onsite Wastewater Treatment Technologies, Regulations and Contaminant Removal**
Tues., May 21, 2019, 11:00 AM - 12:30 PM CDT
- **Evaluating Sites, Setting Treatment Goals and System Design**
Tues., May 21, 2019, 1:00 - 2:30 PM CDT
- **Alternative and Sustainable Treatment Technologies**
Thurs., May 23, 2019, 11:00 AM - 12:30 PM CDT
- **Management Programs for Onsite Wastewater Treatment Systems**
Thurs., May 23, 2019, 1:00 - 2:30 PM CDT

International Residential Code

- **Development and Enforcement of International Residential Code**
Thurs., May 30, 2019, 11:00 AM - 12:00 PM CDT
- **Building Planning and Shell Construction (IRC Chapters 3-10)**
Thurs., May 30, 2019, 12:30 - 2:30 PM CDT
- **Energy Efficiency (IRC Chapter 11)**
Fri., May 31, 2019, 11:00 AM - 12:00 PM CDT
- **Mechanical, Fuel, Plumbing and Electrical Systems**
Fri., May 31, 2019, 12:30 - 2:30 PM CDT

Low Impact Development (LID)

- **Introduction to Low Impact Development and Bioretention System Design**
Wed., June 5, 2019, 11:00 AM - 1:00 PM CDT
- **LID Residential Development and Case Studies**
Thurs., June 6, 2019, 11:00 AM - 1:00 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 up to 6.5 HSW continuing education hours to architects and 6.5 continuing education hours to professional engineers in New York.

HalfMoon Education is deemed a New York-approved continuing education provider for architects via its affiliation with the American Institute of Architects.

This event 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.

The New York State Education Department considers courses as approved for New York State mandatory continuing education for professional engineers if the sponsor’s courses are approved by the American Institute of Architects Continuing Education System **and** are in approved subject areas.

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 states rules to determine eligibility.

The International Code Council has approved this event for .65 CEUs in the specialty area of Energy.

This event offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any state with a continuing education requirement for contractors.

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.

Registration

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How to Register	
Online: www.halfmoonseminars.org	
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Complete the entire form. Attach duplicates if necessary.	
Registrant Information	
Name: _____	
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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 - \$289.00 . Three or more registrants from the same company registering at the same time - \$269.00 each.
Checks: Make payable to HalfMoon Education Inc.
Credit Card: <i>Mastercard, Visa, American Express, or Discover</i>
Credit Card Number: _____
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