

# Agenda

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <b>General Administration of the Code</b><br>Code history and development<br>Development of the International Energy Conservation Code 2021<br>Scope and general requirements<br>Amendments<br>Inspections<br>Referenced standards                                                                                                                                                                                                                                                                                                                                         | <i>J. Vandever</i> |
| <b>IECC Residential Chapters 2-3</b><br>Definitions<br>Climate zones<br>Materials, systems and equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <i>J. Gee</i>      |
| <b>Code Compliance Alternatives</b><br>ResCheck<br>Performance-based compliance<br>Energy rating index compliance alternative                                                                                                                                                                                                                                                                                                                                                                                                                                              | <i>J. Gee</i>      |
| <b>Chapter 4: Residential Energy Efficiency</b><br>Building thermal envelope <ul style="list-style-type: none"><li>• Insulation requirements</li><li>• Fenestration requirements</li></ul> R-values and U-factor alternatives<br>Prescriptive insulation: <ul style="list-style-type: none"><li>• Ceilings, access doors</li><li>• Mass walls, basement walls, sunrooms</li></ul> • Slab-on-grade floors<br>Prescriptive fenestration: <ul style="list-style-type: none"><li>• Air leakage and testing</li></ul> Fireplaces and fuel-burning appliances<br>Energy modeling | <i>J. Gee</i>      |
| <b>Chapter 4: Heating and Cooling Systems</b><br>Control systems<br>Ductwork insulation and sealing<br>Service hot water systems<br>Mechanical ventilation systems<br>Pools and spas                                                                                                                                                                                                                                                                                                                                                                                       | <i>J. Gee</i>      |
| <b>Chapter 4: Electrical Power and Lighting Systems</b><br>Power systems<br>Lighting systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <i>J. Gee</i>      |
| <b>Chapter 5: Existing Buildings</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <i>J. Gee</i>      |

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## Complying with the Residential Provisions of the IECC 2021

Live, Interactive Webinar - Thursday, June 9, 2022

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



## Learning Objectives

### You'll be able to:

- Understand** the development of the International Energy Conservation Code 2021.
- Utilize** performance-based and energy rating index code compliance alternatives.
- Meet** the requirements of IECC's residential provisions for electrical power systems and lighting systems.
- Comply** with the IECC's provisions for residential HVAC systems, including requirements for control systems, ductwork insulation, service hot water and mechanical ventilation.
- Discuss** requirements for existing buildings.



## HalfMoon Education Live Webinars

# Complying with the Residential Provisions of the IECC 2021

Live, Interactive Webinar - Thursday, June 9, 2022



- Understand** the general administration of the residential provisions of the International Energy Conservation Code
- Learn** about residential energy efficiency requirements for building thermal envelopes
- Identify** code compliance alternatives
- Explore** heating and cooling systems, electrical power, and lighting systems
- Examine** IECC residential chapters 2 and 3 on climate zones, materials and equipment

### Continuing Education Credits

|                                                           |                                              |
|-----------------------------------------------------------|----------------------------------------------|
| <b>Professional Engineers</b><br>6.5 PDHs                 | <b>International Code Council</b><br>Pending |
| <b>Architects</b><br>6.5 HSW CE Hours<br>6.5 AIA LU   HSW |                                              |



# Faculty

**Jason Vandever** *Building Code Program Manager at SPEER*  
Mr. Vandever is the Building Code Program Manager for SPEER. He has over 20 years combined experience in building construction and inspection. Prior to joining SPEER, Mr. Vandever was the Chief Building Official for the City of Granbury for four years. He maintains nine ICC certifications, is a Certified Building Official and a Texas Municipal League Leadership Fellow. He currently serves and has spent five years on the NCTCOG Energy and Green Advisory Board. Mr. Vandever has an MBA from Texas Tech University. When he's not educating about building science and the energy code he enjoys time on the lake wakeboarding with his wife and 2 children.

**James Gee, RAS, LEED-AP, CPC** *Absolute Energy Raters*  
For over 13 years Mr. Gee has led Absolute Energy Raters. He continues to deliver impeccable consulting services. He believes that Absolute Energy Raters can add value to the construction process by consulting architects, project managers and sub-contractors on code requirements for energy efficiency (in commercial, residential and multi-family construction). He is also a specialist with the architectural barriers and the Texas Accessibly Standards (TAS) administered by the Texas Department of Licensing and Regulation. Mr. Gee serves has an ambassador for South-Central Partnership for Energy Efficiency as a Resource (SPEER) where he promotes the energy code. Mr. Gee is an avid Vikings fan. He resides in Houston, with his wife and two sons.

# Webinar Information

|                                           |                                         |
|-------------------------------------------|-----------------------------------------|
| Log into Webinar<br>8:00 - 8:30 am CDT    | Break<br>12:00 - 1:00 pm CDT            |
| Morning Session<br>8:30 am - 12:00 pm CDT | Afternoon Session<br>1:00 - 4:30 pm CDT |

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# Additional Learning

**Design Considerations and Mixed Occupancy Options for Speculative Buildings**  
- Tues, May 10, 2022 | 9:00 am - 3:40 pm CDT

**Structural Design Loads under the ASCE 7-22 Standard**  
- Thurs, May 12, 2022 | 9:00 am - 4:30 pm CDT

**IBC Significant Changes: Accessibility, Systems, and Materials**  
- Fri, May 13, 2022 | 11:00 am - 3:30 pm CDT

**Revit Basics of Building Modeling**  
- Fri, May 13, 2022 | 9:00 am - 1:00 pm CDT  
- Fri, May 20, 2022 | 9:00 am - 1:00 pm CDT

**The Tree Course: Science, Design, and Sustainability**  
- Fri, May 13, 2022 | 9:00 am - 4:30 pm CDT

**International Existing Building Code 2021**  
- Tues, May 17, 2022 | 9:00 am - 4:30 pm CDT

**Managing Construction Projects**  
- Thurs, May 19, 2022 | 8:30 am - 5:00 pm CDT

**Designing a Smarter Home**  
- Mon,, May 23, 2022 | 8:00 am - 4:00 pm CDT

**How to Design a Stormwater Management System for Residential Sites**  
- Tues, May 24, 2022 | 2:00 - 4:00 pm CDT

**Passive House: Planning, Design and Construction**  
- Tues, May 24, 2022 | 8:30 am - 4:30 pm CDT

**Flood-Resistant Design and Construction**  
- Wed, May 25, 2022 | 11:00 am - 2:00 pm CDT  
- Thurs, May 26, 2022 | 11:00 am - 3:00 pm CDT

**Universal Residential Design**  
- Wed, May 25, 2022 | 8:30 am - 4:30 pm CDT

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HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

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.

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**Added Value:**  
Enhance your learning - a recording of this webinar will be available for attendees to stream online for two weeks after the program date.  
(Must attend live webinar to earn live webinar credits)

# Registration

**Complying with the Residential Provisions of the IECC 2021**  
Live, Interactive Webinar - Thursday, June 9, 2022

| How to Register                                                                          |                                                                                                                                                                            | Registrant Information                                                                                                                                              |
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| <b>Online:</b><br><a href="http://www.halfmoonseminars.org">www.halfmoonseminars.org</a> |                                                                                                                                                                            | Name: _____<br>Company/Firm: _____<br>Address: _____<br>City: _____ State: _____ Zip: _____<br>Occupation: _____<br>Email: _____<br>Phone: _____                    |
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| <b>Fax:</b><br>715-835-6066                                                              | <b>Code:</b>                                                                                                                                                               | <b>Complete the entire form.</b><br>Attach duplicates if necessary.                                                                                                 |
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