

HalfMoon Education Live Continuing Education Webinars

# Energy Retrofits for Residential and Small Commercial Buildings

**Online**

**Wednesday, December 14, 2022 | 12:00 - 3:15 pm CST**

**Thursday, December 15, 2022 | 11:00 am - 3:15 pm CST**

**Credits:** Professional Engineers: 7.0 PDHs

Architects: 7.0 HSW CE Hours      AIA: Pending

International Code Council: Pending

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## Webinar Agenda

### Agenda Day One: Wednesday, December 14, 2022

12:00 - 3:15 pm CST (including a 15-min. break)

#### Making the Case for Energy Retrofits

- Defining a deep energy retrofit
- Quantifying benefits      Financial and other incentives
- Addressing short-term and long-term goals

#### Timing an Energy Retrofit

- Opportunity for adaptive building reuse
- End-of-life approaching for building components
- Meeting stretch code and other voluntary standards

#### Planning Energy Retrofits

- Modeling lifecycle costs and operational costs
- Identifying needs, prioritizing actions
- Taking steps in the most efficient order

#### Presented by

**Heather Holdridge, EIT Associate AIA LEED Fellow** is the sustainability director at Lake|Flato Architects. Leveraging her background in mechanical engineering, Ms. Holdridge directs all Lake|Flato teams in establishing sustainability goals. She devises strategies and systems to realize those goals under programs such as LEED, the 2030 Challenge, and the Living Building Challenge. Ms. Holdridge works closely with teams to evaluate passive systems and performs energy modeling throughout the design process. She received a bachelor of science degree in Mechanical Engineering from The University of Texas at Austin and a master of business administration degree from The University of Texas at San Antonio.

#### Can't Attend? Order the Webinar as an On-Demand Package!

Recordings of this webinar are available for purchase. See details online for more information.

### Agenda Day Two: Thursday, December 15, 2022

11:00 am - 3:15 pm CST (including a 15-min. break)

#### Retrofitting Lighting Systems

- Reducing lighting loads      Efficient interior lighting
- Efficient exterior lighting      Efficient lighting controls

#### Retrofitting Building Envelopes

- Reduce heating/cooling loads
- Insulating the envelope      Retrofitting doors and windows

#### Upgrading HVAC and Ventilation Systems

- Reduce heating/cooling loads
- Identifying system/equipment options
- Using air-source heat pumps
- Improving air/heat/cooling distribution
- Recovery and reuse      Efficient controls

#### Adding Renewable Energy/Renewable Energy Systems

#### Building Electrification

#### Upgrading Service Water Heating

- Identifying needs and reducing loads
- Equipment/control options

#### Reviewing Deep Energy Retrofit Case Studies/ Q&A/Review

#### Tuition

**\$319** for individual registration

**\$289** for two or more registrants from the same company at the same time.

*Included with your registration: PDF seminar manual.*

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## Credit Information

This webinar is open to the public and is designed to qualify for 7.0 PDHs for professional engineers and 7.0 HSW continuing education hours for licensed architects in all states.

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 HalfMoon Education as a sponsor of continuing education (Sponsor No. J885). This course has been submitted for AIA CES approval and is currently pending. Only full participation is reportable to the AIA CES.

The International Code Council has approved HalfMoon Education as a Preferred Provider of continuing education (No. 1232). Course approval is pending in the specialty area of Energy.

Visit this course listing at [www.halfmoonseminars.org](http://www.halfmoonseminars.org) for updates on pending credits.

Completion certificates will be awarded to participants who complete this event and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

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