

HalfMoon Education Live Continuing Education Webinars

Designing and Constructing Solar PV Energy Systems *Residential and Small Commercial Systems*

Online - Thursday, June 8, 2023 | 9:00 am - 4:00 pm CDT

Credits:

Professional Engineers: 6.0 PDHs

Architects: 6.0 HSW CE Hours AIA: 6.0 LU|HSW

International Code Council: .6 CEUs (Energy)

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AIA
Continuing
Education
Provider



Quantifying the Costs and Benefits of Solar Energy

- Cost of components
- Lifecycle costs
- Solar system incentives
- Solar renewable energy certificates (RECs/SRECs)
- Calculating payback

Evaluating Solar Sites

- Using solar site assessment tools
- Location
- Orientation
- Shading

Complying with Codes and Regulations

- International Building Code, International Residential Code
- National Electrical Code
- International Energy Conservation Code and Stretch Code
- State and local regulations

Exploring Materials and Components

- Developments in panels and films
- Developments in inverters and optimizers
- Racking and mounting systems
- Software
- Balance of system components

Developments in Solar Energy Storage

- Battery storage technologies
- Trends in modern battery storage
- Battery use cases for distributed generation
- Future of battery storage at utility scale

Installing Solar PV Energy Systems

- Site preparation
- Permitting and code compliance
- Staging and installation
- Safety considerations
- Testing and commissioning

Presented by

Tim Montague, M.S., is a solar PV expert, NABCEP PV Technical Sales certified solar professional and host of two podcasts: the Solar Podcast and the Clean Power Hour with co-host John Weaver. Mr. Montague is a business development executive for Continental Energy Solutions in Chicago, Illinois. He has been involved with over 40 megawatts of solar projects in the Midwest including portfolios of community solar (3 MW DC), and many commercial, industrial, government, nonprofit and campus clients. Continental has built the two largest rooftop solar projects in the Midwest (Magid Glove and IKEA Joliet) and portfolios of Target and Walmart stores. He is passionate for the energy transition and spreading the news and best practices, technology and thought leadership via his two podcasts which you can see at www.CESnrg.com/podcast where he covers topics like pollinator friendly solar, agrivoltaics, low-carbon solar panel manufacturing and much more. Mr. Montague works with commercial clients to help them achieve their energy conservation and sustainability goals through solar and battery storage solutions. He works with solar developers to help them bring profitable projects to the light of day. Mr. Montague holds a master of science degree in Botany from the University of Wisconsin-Madison and a bachelor's degree in Ecology, Evolution and Behavior from the University of California at San Diego (UCSD).

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.

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.

Credit Information

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers and 6.0 HSW continuing education hours for licensed architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

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 6.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Energy (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits

The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:
6.0 HSW LUs (AIA)

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or scan here

