

Agenda

Presented by Michael Bergey

Understanding the Technology of and Applications for Small Wind Systems

- Defining small wind systems
- Reviewing technology and equipment
- Applications, off-grid and on-grid, with example projects
- Shopping for small wind turbines

Understanding the Resource and Project Considerations

- Wind energy physics and wind data sources
- Small wind turbine standards
- State and federal incentives

Reviewing Codes and Requirements for Small Wind Energy Systems

- Standards applicable to different parts of the turbine and project
- Investigating land use and zoning restrictions
- Understanding the permitting process

Small Wind Project Implementation

- Tower types and foundations
- Off-grid/hybrid system design and sizing
- On-grid system design and sizing
- Example on-grid turbine selection process
- Installation costs

Case Studies

- Current and emerging markets
- Residential installation, different towers and turbines, performance and economics
- Business (farm) installation, performance and economics

Next-Generation Small Wind

- Challenge of imported solar
- New technology development to lower the cost of small wind
- Designing for resiliency
- Q & A

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Small Wind Energy Systems

Live, Interactive Webinar - Wednesday, August 11, 2021

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Learning Objectives

You'll be able to:

Describe small wind technology, equipment and applications.

Review wind energy physics and wind data to determine feasibility of a particular site.

Locate federal and state incentives to reduce costs for systems.

Comply with codes and requirements for small wind projects, land use and zoning restrictions, and comply with permitting processes.

Implement projects by selecting appropriate tower types and turbines.

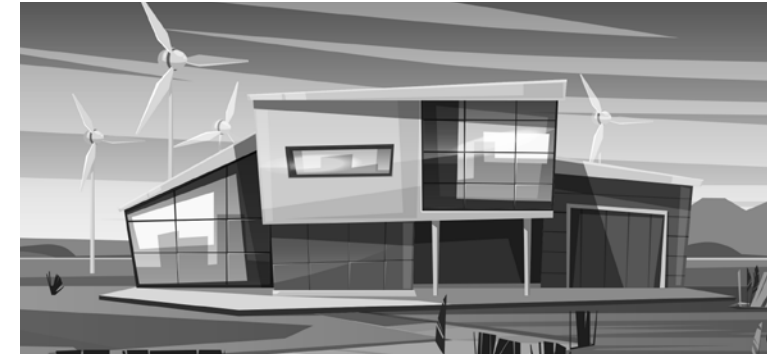
Discuss when it is advantageous to have systems stay off-grid or go on-grid.



HalfMoon Education Online Learning

Small Wind Energy Systems

Live, Interactive Webinar - Wednesday, August 11, 2021



Explore small wind energy system technology

Examine applications for small wind energy, and review example projects

Learn from industry leader Micheal Bergey of Bergey Windpower Co.

Comply with land use and land use requirements

Discuss tower types and foundations

Compare turbines and review installation costs

Focus on the next generation of small wind systems

Continuing Education Credits

Professional Engineers

6.5 PDHs

Architects

6.5 HSW CE Hours

AIA

6.5 LU | HSW

International Code Council

.65 CEUs (Energy)

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Faculty

Michael Bergey *President & CEO Bergey Windpower Co.*
A co-founder of Bergey Windpower Co. and its' president since 1987, Mr. Bergey is a mechanical engineer (University of Oklahoma) and an internationally-recognized expert in the fields of small wind systems, distributed generation, and green telecom. He has twice served as president of the American Wind Energy Association (AWEA) and served on the AWEA Board of Directors from 1981 to 2007. Mr. Bergey chaired the AWEA Small Wind Turbine Committee for more than 20 years and authored AWEA's 2002 "U.S. Small Wind Turbine Industry Roadmap: A 20-year Industry Plan for Small Wind Technology." In 1994 he was recognized as the "Wind Industry Man of the Year" by AWEA. He is the recipient of the 2012 Small Wind Conference "Wind Advocate Award." In 1981 Mr. Bergey was recognized by AWEA for development of the "AWEA Performance Rating Standard," which was the basis for the IEC 61400-12 performance testing standard used for all wind turbines worldwide. He chaired the AWEA Small Wind Standards Committee and led the development of the 2008 AWEA certification standard (also adopted in the U.K., Japan, and Canada). Mr. Bergey is the first president of the Distributed Wind Energy Association (DWEA), which represents the U.S. small and community wind industry. He also co-chairs the DWEA Federal Policy Committee. In 2003 Mr. Bergey served on Oklahoma Governor Henry's EDGE Committee, which prepared a strategic plan for economic development in Oklahoma. He then served two terms on the Governor's Council for Workforce and Economic Development. Mr. Bergey was Workforce Oklahoma's "Cleveland County Businessman of the Year" in 2005. He served on the Norman Chamber of Commerce Board from 2003 - 2010 and was the Chamber president in 2008. He has served on the boards of numerous civic and charitable organizations in Norman and Central Oklahoma.

Webinar Information

Log into Webinar 8:00 - 8:30 am CDT	Break 12:15 - 1:15 pm CDT
Morning Session 8:30 am - 12:15 pm CDT	Afternoon Session 1:15 - 4:30 pm CDT

Tuition
\$289 for individual registration
\$199 for three or more registrants from the same company at the same time.
Included with your registration: PDF seminar manual.

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- Mail-in or fax the attached form to 715-835-6066
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Additional Learning

- Estimating Plumbing and HVAC Costs**
- Fri, July 9, 2021 | 8:30 am - 4:30 pm CDT
- Erosion and Sediment Control**
- Tues, July 13, 2021 | 8:30 am - 5:00 pm CDT
- Retaining Wall Design and Slope Stabilization Techniques**
- Tues, July 13, 2021 | 11:00 am - 2:15 pm CDT
- Wed, July 14, 2021 | 11:00 am - 2:15 pm CDT
- Universal Residential Design**
- Thurs, July 15, 2021 | 8:30 am - 4:30 pm CDT
- Engineered Lumber Design and Construction**
- Fri, July 16, 2021 | 9:00 am - 4:00 pm CDT
- 2021 International Residential Code: Residential Electrical Systems**
- Fri, July 16, 2021, 11:00 am - 3:30 pm CDT
- Managing Construction with AIA Document A201: General Conditions**
- Tues, July 20, 2021 | 8:30 am - 4:00 pm CDT
- Deep Excavations**
- Wed, July 21, 2021 | 8:30 am - 4:30 pm CDT
- High-Performance Building Envelopes**
- Wed, July 21, 2021 | 11:00 am - 2:45 pm CDT
- Thurs, July 22, 2021 | 11:00 am - 2:45 pm CDT
- Technical Writing Workshop for Design Professionals**
- Fri, July 23, 2021 | 8:30 am - 5:00 pm CDT
- Understanding and Working with Urban Soils**
- Fri, July 23, 2021 | 8:30 - 10:30 am CDT
- Site Design**
- Mon, July 26, 2021 | 8:30 am - 5:00 pm CDT
- Structural Forensic Engineering**
- Tues, July 27, 2021 | 11:00 am - 2:30 pm CDT
- Wed, July 28, 2021 | 11:00 am - 2:30 pm CDT
- Project Management for Engineers**
- Wed, July 28, 2021 | 8:30 am - 4:30 pm CDT

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Continuing Education Credit Information

This webinar offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects licensed in all states.

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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.

The International Code Council has approved this event for .65 CEUs in the specialty area of Energy (Preferred Provider No. 1232).

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

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Registration

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Phone: 715-835-5900	Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____	
Fax: 715-835-6066	Code:	Complete the entire form. Attach duplicates if necessary.
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