

Agenda

Defining Sustainable Roofs

What makes a roof sustainable?
Building code requirements
Sustainable certifications and incentives

Z. Waliullah/
T. Winegar

Extensive and Intensive Green Roofs

Benefits of green roofs
Determining which projects are candidates for green roofs
Extensive and intensive green roofs
Common components and materials
Maintenance requirements
Lifecycle analysis
Impact on energy cost

Z. Waliullah/
T. Winegar

Water Management with Blue Roofs

Benefits of blue roofs
Applications for blue roofs
Water retention and storage
Water reuse
Lifecycle analysis
Maintenance requirements

D. Hayden

Designing and Constructing Cool Roofs

Reviewing cool roof standards and ratings
Insulation
Reflective materials
Life cycle analysis
Impact on energy cost

M. Barmore

Exploring Sustainable Materials and Construction Techniques for Conventional Roofs

Sustainability of roofing materials: shingles, metal, tile and stone
Insulation options
New features and construction techniques

M. Barmore

Energy-Efficient, Sustainable Roofs

Brooklyn, NY - Tuesday, April 28, 2020

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Learning Objectives

You'll be able to:

Explain what makes a roof sustainable.

Identify sustainable certifications and review building code requirements for roofs.

Describe the differences between extensive and intensive green roofs, and determine which projects are suitable candidates for green roofs.

Explore the benefits of blue roofs, including the potential for water storage and reuse.

Describe cool roof standards and ratings, and discuss expectations for reduced energy usage.



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Define sustainable roofs and learn what makes them sustainable

Identify the features of extensive and intensive green roofs

Examine applications for blue roofs

Discuss sustainable certifications and incentives

Learn how to design and construct cool roofs

Explore sustainable materials and construction techniques for conventional roofs

Continuing Education Credits

Architects

6.5 HSW Continuing Ed. Hours
6.5 AIA LU|HSW

Professional Engineers

6.5 Continuing Ed. Hours

International Code Council

.65 CEUs (Energy)

Contractors

Non-Credit Continuing Ed.



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AIA
Continuing
Education
Provider

Faculty

Zach Waliullah, CSI, CDT, GRP *District Manager – Northeast for American Hydrotech, Inc.*
Mr. Waliullah is a roofing and waterproofing industry professional with a focus on environmentally sustainable and resilient roofing solutions. He joined American Hydrotech in 2012, an industry leader in the supply of waterproofing and roofing solutions for over 50 years, where he has garnered experience and expertise with the application of protected membrane roofing, vegetated roofs and rooftop stormwater solutions. Mr. Waliullah received a B.S. degree in Finance and an M.S. degree in Sustainable Management from DePaul University in Chicago, IL. He also is a certified Construction Document Technologist (CSI) and an accredited Green Roof Professional (GRHC).

Tim Winegar
East Region Garden Roof Technical Sales Coordinator for American Hydrotech, Inc.
Mr. Winegar is the east region garden roof technical sales coordinator for American Hydrotech, Inc. (AHI) based in Chicago, Illinois. AHI is an international supplier of waterproofing, roofing and green roof materials and accessories. In the Garden Roof Department, Mr. Winegar’s responsibilities include supporting the field team with his knowledge of the garden roof-specific components including engineered LiteTop® growing media, drainage materials, plants, edgings, and other supplies required to complete a garden roof. In addition to assisting the sales team, he is a resource for contractors, architects, landscape architects and other consultants that take a project from concept to construction. Mr. Winegar has been in the landscape industry for almost 20 years. Mr. Winegar was a part of the green roof industry while it was still in its infancy in Chicago, working on projects of various size, scope and difficulty. To supplement his green roof background, he has vast knowledge of Midwest native plants and at grade green infrastructure. His experience as a contractor has brought a new perspective to the Garden Roof Department, and he hopes to continue to foster relationships with those connected to American Hydrotech projects.

Seminar Information

New York Marriott at the Brooklyn Bridge
333 Adams Street
Brooklyn, NY 11201
(718) 246-7000

Tuition
\$299 for individual registration
\$279 for three or more registrants from the same company at the same time.
Included with your registration: *Complimentary continental breakfast and printed seminar manual.*

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 or the self-study package. You may also send another person to take your place.

Richard C. Hayden RLA ASLA CLARB GRP A.M. ASCE
National Garden Roof Department Manager for American Hydrotech, Inc.
Mr. Hayden is responsible for the management of the staff in the Garden Roof Department at American Hydrotech. In addition to his management roles, he is responsible for the garden roof QA/QC program, development of new product lines, and expansion of the use of the garden roof assembly with AHI clients nationwide. Mr. Hayden has been at the center of the development of a series of hydrotech blue roof assemblies where stormwater can be detained on rooftops to aid in a project’s stormwater management plan. Mr. Hayden has been a practicing landscape architect and infrastructure, streetscape, urban designer for nearly 40 years. At American Hydrotech, Mr. Hayden assists designers, landscape architects, civil engineers and architects with the proper use of the garden roof assemblies and components to help ensure successful projects. Mr. Hayden is a member of the American Society of Landscape Architects and is the past-president of the Illinois Chapter of ASLA. He is also a licensed landscape architect in the State of Illinois and holds a Certificate from the Council of Landscape Architecture Registration Boards (CLARB). He is a registered Green Roof Professional (GRP) as designated by Green Roofs for Healthy Cities and was a former member of the Board of Directors of that organization. He is also an associate member of the American Society of Civil Engineers.

Matt Barmore *Vice President at Greenrise Technologies, LLC*
Mr. Barmore serves as vice president at Greenrise Technologies, LLC, a national green roof design, supply, installation, and maintenance company with offices in Nashville, Tennessee, Washington, DC, and Charleston, South Carolina. He is the board chair of Green Roofs for Healthy Cities (GRHC), the North American green roof and wall industry association. At Greenrise, he leads the company's sales, business development, and estimating teams. A veteran of the U.S. Air Force, Mr. Barmore joined Greenrise after more than a decade of service at Firestone Building Products, where he held progressive roles in technical, estimating, national sales, and marketing. He has spoken about green roofs at numerous regional and national conferences including AIA, ASLA, GRHC, IIBEC (RCI), and NRCA, and at architecture, engineering, and general contracting firms across the U.S. and Canada.

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 all states.

HalfMoon Education is deemed a New York-approved continuing education provider for 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)).

This event is approved by the American Institute of Architects Continuing Education System for 6.5 LU|HSW (Sponsor No. J885). Courses approved by the AIA/CES qualify for New Jersey architects. Visit www.halfmoonseminars.org to view complete AIA information under this course listing. Only full attendance is reportable to the AIA/CES.

HalfMoon Education is an approved continuing education sponsor for engineers licensed in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina, and North Dakota.

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

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

Energy-Efficient, Sustainable Roofs

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How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900		
Fax: 715-835-6066	Code:	Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		
Complete the entire form. Attach duplicates if necessary.		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 - \$299.00 . Three or more registrants from the same company registering at the same time - \$279.00 each.
Checks: Make payable to HalfMoon Education Inc.
Credit Card: <i>Mastercard, Visa, American Express, or Discover</i>
Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
Cardholder Name: _____
Billing Address: _____
City: _____ State: _____ Zip: _____
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Email: _____