

Credit Information

Introduction to Wind, Rain, Snow, Ice and Flood Loads in New England Construction

This webinar is open to the public and offers 6.0 PDHs to professional engineers and 6.0 HSW continuing education hours to architects in New England.

Engineers and architects seeking continuing education credit in other states will be able to claim the hours earned at this webinar, in most cases. Refer to specific state rules to determine eligibility.

The American Institute of Architects Continuing Education System has approved this course for 6.0 LU | HSW (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 Building (Preferred Provider No. 1232).

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

Connecticut Stormwater Management 2022

This webinar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects and landscape architects in Connecticut.

Engineers and architects seeking continuing education credit in other states will be able to claim the hours earned at this webinar, in most cases. Refer to specific state rules to determine eligibility.

The American Institute of Architects Continuing Education System has approved HalfMoon Education as a sponsor of continuing education (Sponsor No. J885). Course approval is pending. Only full participation is reportable to the AIA/ CES.

The Landscape Architect Continuing Education System has approved this event for 7.0 HSW PDHs. Only full attendance can be reported to LA CES.

This webinar has been approved by the Association of State Floodplain Managers for 7.0 CECs for floodplain managers.

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 Sitework.

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

Can't Attend? Order the Webinar as a Self-Study Package!

Recordings of each webinar are available for purchase. See course listing online for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Live, Interactive Webinars

- Introduction to Wind, Rain, Snow, Ice and Flood Loads in New England Construction
- Connecticut Stormwater Management 2022

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Live, Interactive Webinars

Introduction to Wind, Rain, Snow, Ice and Flood Loads in New England Construction

- Tuesday, January 18, 2022 | 8:30 am - 3:30 pm EST

Connecticut Stormwater Management 2022

- Thursday, January 27, 2022 | 8:30 am - 4:30 pm EST

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HalfMoon Education Live Webinars



Introduction to Wind, Rain, Snow, Ice and Flood Loads in New England Construction

Tuesday, January 18, 2022 | 8:30 am - 3:30 pm EST

Credits: Professional Engineers: 6.0 PDHs Architects: 6.0 HSW CE Hours
AIA: 6.0 LU | HSW International Code Council: .6 CEUs (Building)



Connecticut Stormwater Management 2022

Thursday, January 27, 2022 | 8:30 am - 4:30 pm EST

Credits: Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours
AIA: Pending Landscape Architects: 7.0 HSW CE Hours
LA CES: 7.0 HSW PDHs Floodplain Managers: 7.0 ASFPM CECs
International Code Council: Pending



Introduction to Wind, Rain, Snow, Ice and Flood Loads in New England Construction

Tuesday, January 18, 2022 | 8:30 am - 3:30 pm EST (incl. two 30-min breaks)

Tuition: \$289 per registrant, \$239 per registrant for three or more

Credits: Professional Engineers: 6.0 PDHs Architects: 6.0 HSW CE Hours
AIA: 6.0 LU|HSW International Code Council: .6 CEUs (Building)

Agenda

Overview of Codes C. Vogt, P.E.

Designing to Manage Wind Loads M. Schroeder, P.E.

- Understanding wind loads and applicable building codes
 - Causes and types of wind
 - Wind velocity
 - Wind turbulence
 - Effects of terrain and structures
 - Residential code compliance
 - Commercial code compliance

- Complying with ASCE 7-16 provisions on wind loads
 - Determination of design wind pressure
 - Low-rise buildings
 - Buildings with H>60 degrees
 - Simplified method
 - Open buildings
 - Building appurtenances
 - Simplified method

Designing to Manage Rain, Snow and Ice Loads T. Manchester

- Understanding precipitation loads
 - Snow types, ice, rain-on-snow, snow freeze/thaw
- Complying with ASCE 7-16 provisions on rain, snow and ice loads
 - Flat roof snow loads
 - Sloped roof snow loads
 - Unbalanced loads and drifts
 - Sliding snow loads
 - Rain-on-snow surcharge loads
 - Ponding instability

- Design options
 - Residential code compliance
 - Commercial code compliance

Designing to Manage Flood Loads C. Vogt, P.E.

- Understanding flood loads
 - Coastal and riverine flood loads
- Complying with ASCE 7-16 provisions on flood loads
 - Soil and hydrostatic pressure
- Complying with ASCE-24
 - Flood zones
 - Elevations
- Materials and construction

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International Code Council: Pending

Agenda

Understanding Stormwater Permit Requirements and Procedures E. White

- Background and development of national and state regulations and permit requirements
- Activities exempt from construction general stormwater permit requirements
- Complying with NPDES and state-specific regulations
- Notice of intent requirements
- Special conditions for sensitive waters
- Review and permitting process
- Implementing, monitoring and assessing SWPPPs

Understanding and Applying the Science of Stormwater E. White

- Hydrology, soil science and drainage
- Classifying storm events
- Identifying consequences of storm events
- Stormwater modeling

Developing Stormwater Pollution Prevention Plans (SWPPP) E. White

- Including required elements
- Assessing building sites
- Choosing best management practices (BMPs)
- Planning for required inspection, maintenance and recordkeeping
- Obtaining plan certification
- Implementing SWPPPs

Protecting Stormwater Management Systems During and After Construction R. Woodman

- Erosion and sedimentation control
- Pretreatment technologies and innovative solutions

Developing Plans for Inspection, Monitoring, Maintenance and Recordkeeping E. White

- Understanding the science and terminology of stormwater management and monitoring
- Implementing monitoring plans
- Reviewing stormwater BMP case studies

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Faculty

Introduction to Wind, Rain, Snow, Ice and Flood Loads in New England Construction

Chad Vogt, P.E. Principal, e2 engineers

Mr. Vogt is a structural engineer and principal with e2 engineers in New London, Connecticut. He attended the University of Massachusetts at the University of Massachusetts – Dartmouth earning his B.S. degree in Civil Engineering. He began his career as a structural engineer working for a consulting firm in Norwich, Connecticut. In 2007, Mr. Vogt started an independent structural engineering consulting firm. He brought his expert knowledge of engineering and creative problem-solving skills to a wide range of projects spread throughout Southern New England and the Northeast.

Mac Schroeder, P.E. Senior Engineer, e2 engineers

Mr. Schroeder is a senior engineer with e2 engineers at the Concord, Massachusetts office. Prior to coming to e2, he began his career working at a co-op with multiple engineering firms in the Boston area. Mr. Schroeder earned his B.S. degree from Northeastern University. After graduating, he started working with a national building technology and structural engineering firm. He then decided to continue his education, obtaining his master's degree from the University of Cincinnati. Mr. has worked on a range of structures including educational, medical, retail, office, and residential.

Tim Manchester Senior Engineer, e2 engineers

Mr. Manchester is a senior engineer with e2 engineers in New London. Connecticut. He began his career at General Dynamics Electric Boat in Groton, Connecticut, where his work focused primarily on steel foundations, trusses, and pressurized tanks within nuclear submarines. Through his experience, he developed his structural skillset and improved his technical ability to understand and complete complex analytical computations. Mr. Manchester began working at e2 engineers in 2016. During his time here, he has expanded his knowledge in such areas as concrete, timber, and masonry design.

Connecticut Stormwater Management 2022

Erik White, P.E. President, UEG Consulting, LLC

Mr. White has over 20 years of experience in engineering, ranging from compliance and industrial wastewater and air treatment system evaluations to remedial study/ design projects. Mr. White works with clients across a variety of industries, including iron and steel, utilities, specialty chemicals, food and food additive processing, and petroleum refining. He has particular expertise in industrial wastewater and stormwater regulatory review and implementation support under the National Pollutant Discharge Elimination System (NPDES) Program. Mr. White earned a B.S. degree in Civil Engineering from the University of Massachusetts in Amherst and an M.S. degree in Environmental Engineering from the University of Michigan.

Rob Woodman, P.E. National Urban Green Infrastructure Manager, Ferguson Waterworks

Mr. Woodman graduated in Civil Engineering from the University of Wollongong, Australia. He spent the first 10 years as design and project engineer for a private engineering consulting firm, gaining experience and expanding his knowledge of the industry on a wide variety of civil and stormwater engineering design projects for private and public sector clients throughout New England. In 2014 Mr. Woodman took an opportunity to leverage his expertise in innovative stormwater and green infrastructure treatment systems and transitioned from consulting to the product, solution and innovation side of the industry.