Agenda

General Administration of the Code
- Development and adoption of Washington State Energy Code (WSEC)
- Examining required submittals/procedures
- Overview of changes in the 2021 WSEC

Code Compliance Pathways
- Prescriptive path
- UA tradeoffs
- Additional Efficiency Section C406 Intro
- Performance path

Building Thermal Envelope
- Low energy, semi-heated, greenhouses, equipment buildings
- Insulation requirements
  - Rooftop HVAC equipment curbs
  - Vertical fenestration intersection with opaque walls
- Fenestration requirements
- Air-leakage – thermal envelope
  - Vapor barriers, air barriers and thermal boundaries
- Vestibules
- Operable opening interlocking

Mechanical Systems
- TSPR
- HVAC equipment performance
- Humidification
- Ventilation for Group R-2
- High-efficiency VAV
- Energy recovery ventilation system
- Exhaust systems
- Duct and plenum insulation sealing
- Service water heating
- Interior lighting
- Use of electric resistance and fossil fuel heating
- Chillers
- DOAS
- Economizers
- Demand control ventilation
- Fan and fan controls
- Electrical power and lighting
- Exterior lighting power

Existing Buildings
- Additions, alterations and repairs
- Historic buildings

Section C406 Case Studies in Code Compliance

Can't Attend? Order the Webinar as an On-Demand Package!
Recordings of this 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.

Complying with the Washington State Energy Code's Commercial Provisions
Live, Interactive Webinar - Friday, April 19, 2024

HalfMoon Education Inc.
PO Box 278
Altoona, WI 54720-0278

Learning Objectives

You'll be able to:

Get an overview of changes in the 2021 Washington State Energy Code (WSEC).

Explore code compliance pathways, including prescriptive paths and performance paths.

Meet requirements for the energy efficiency of building thermal envelopes.

Comply with energy code requirements for HVAC systems.

Examine requirements for service water heating, electric power systems and lighting.

Discuss Section C406 case studies in code compliance.

HalfMoon Education Live Webinars

Complying with the Washington State Energy Code's Commercial Provisions

Live, Interactive Webinar - Friday, April 19, 2024

Explore changes in the 2021 WSEC

Learn about code compliance pathways

Examine building thermal envelope requirements including insulation and fenestration

Study requirements for mechanical systems and electrical power and lighting

Discuss requirements for existing buildings including historic buildings

Continuing Education Credits

Professional Engineers
6.5 PDHs

Architects
6.5 HSW CE Hours
6.5 AIA LU|HSW

International Code Council
.65 CEUs (Energy)

AIA Continuing Education Provider

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Webinar Information

Log into Webinar
8:30 - 9:00 am PDT

Break
12:15 - 12:45 pm PDT

Morning Session
9:00 am - 12:15 pm PDT

Afternoon Session
12:45 - 4:30 pm PDT

Tuition

$319 for individual registration.
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Faculty

Tom Marseille, PE, Hon AIA, LEED Fellow *Principal at Säzän Group in Seattle*
An award-winning mechanical engineer, Mr. Marseille brings a robust and diverse professional background that informs a practice focused on the delivery of high-performance sustainable solutions for the built environment. Mr. Marseille identifies strategies that are aligned with client values on even the most technically complex projects. He fosters integrative thinking into a design process that consistently leads to approaches that are healthy, resilient, and highly resource-responsible while also being affordable, practical and maintainable. Mr. Marseille's technical expertise and experience includes mechanical design responsibility on project types ranging from single-family to tenant improvements within existing buildings to multi-million square foot developments and campus-scale central and distributed thermal energy solutions. He frequently assists clients from the earliest inception on projects with feasibility assessments and energy master-planning that lead concept and early schematic designs that are used to set or validate performance targets and establish design direction. Mr. Marseille is an author of numerous published papers and a skilled speaker and instructor. He previously has sat on the boards for both AIA Seattle and the ILFI/Cascadia Green Building Council.

Gaurav Mehta, BEMP, LEED AP BD+C
Building Performance Practice Leader at Säzän Group in Seattle
As the building performance practice leader, Mr. Mehta brings his passion for integrated design, sustainability, and high-performance buildings to the forefront of his work. Mr. Mehta's background in architecture and engineering has equipped him to be an invaluable member of multidisciplinary building design teams, where he utilizes energy simulation and assessment tools to inform design and operational decisions. He ensures that clients have a clear understanding of the impact of design strategies on building performance, indoor air quality, and user experience. Mr. Mehta is a LEED accredited professional and building energy modeling professional (BEMP). Previously, he served as the co-chair of the AIA Seattle Committee on the Environment (COTE) and is currently a member of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE). Mr. Mehta holds a master of science degree in Building Design with a concentration in Energy Performance and Climate Responsive Architecture from Arizona State University and a bachelor's degree in architecture from TVB School of Habitat Studies in New Delhi, India.

Credit Information

This webinar is open to the public and is designed to qualify for 6.5 HSW continuing education hours for licensed architects in Washington state. This webinar offers a 6.5-hour learning opportunity to Washington engineers and may qualify for 6.5 PDHs for engineers in other states; please refer to specific state rules to determine eligibility.

The American Institute of Architects Continuing Education System has approved this course for 6.5 HSW LUs (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).

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:
6.5 HSW LUs (AIA)

Additional Learning

Washington State Stormwater Management 2024

Online | Thursday, April 25, 2024 | 8:30 am - 3:30 pm PDT

Credits: Professional Engineers: 6.0-Hour Learning Opportunity
Architects: 7.0 HSW CE Hours | AIA: 7.0 LU|HSW
Landscape Architects: 6.0 HSW CE Hours | LA CES: 6.0 HSW PDHs
International Code Council: .6 CEUs (Sitework)
Floodplain Managers 6.0 ASFPM CECs | Certified Planners: CM|6

Agenda Topics:
- Understanding and Applying the Science of Stormwater
- Choosing Appropriate Storm Water Best Management Practices (BMPs)
- Developing Stormwater Pollution Prevention Plans (SWPPP)
- Developing Plans for Inspection, Monitoring, Maintenance and Recordkeeping

Presented by
Doug Beyerlein, PE, PH, D.WR *Co-founder of Clear Creek Solutions*
Russell Betteridge, CSM *NPDES Coordinator at the City of Tukwila, WA*

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