

Agenda

Presented by
Jerry McAdams and Brett Van Paepeghem

Defining the Problem

Historical and ecological context
Causes and consequences of wildfire
Suppression and other answers
General media and sociological perceptions
Effect of fire on the built environment

Fire Science

Types of fire of concern Heat transfer and structural ignition
Research findings

Planning Tools

Land use planning State and local fire planning
Overview of codes and standards

Principles for Fire-Resistant Landscaping

Defensible space vs. survivable space
Using the zone concept for landscape plans
Using rock, stone, and other fire-resistant materials
Plant characteristics Organizing plantings
Trees and shrubs Grasses and groundcovers
Maintaining landscaping

Fire-Resistant Components

Fire-resistant building materials and construction
Roofs, walls, doors, windows, etc.
Retaining walls
Decks and patios
Paths and walkways

New Construction vs. Existing Construction

Starting developments right from the beginning
Designing a new fire-resistant structure
Retrofitting existing structures
Follow-up maintenance

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Fire-Resistant

Landscapes and Construction

Live, Interactive Webinar - Tuesday, March 30, 2021

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Learning Objectives

You'll be able to:

Explain the causes and consequences of wildfire on the built environment.

Define heat transfer, structural ignition and other key concepts in fire science.

Comply with codes and standards and identify state and local fire planning tools.

State key principles for fire-resistant landscaping and building components.

Compare and contrast fire-resistant retrofitting vs. new construction.



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Fire-Resistant Landscapes and Construction

Live, Interactive Webinar - Tuesday, March 30, 2021



Understand the effect of wildfire on the built environment

Study fire science and review types of fires of concern

Explore codes, standards and fire planning tools

Learn how to design and maintain fire-resistant landscaping

Examine fire-resistant building materials and construction

Continuing Education Credits

Professional Engineers

6.0 PDHs

Architects

6.0 HSW CE Hours

AIA

6.0 LU | HSW

Landscape Architects

4.0 HSW CE Hours

LA CES

4.0 HSW PDHs

International Code Council

.6 CEUs (Fire)



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Faculty

Jerry McAdams *Senior Captain - Wildfire Mitigation Specialist for the Boise Fire Department in Boise, Idaho*
Mr. McAdams is a Senior Captain - Wildfire Mitigation Specialist for the Boise Fire Department in Boise, Idaho, and most recently served as Acting Deputy Chief - Fire Marshal from March - December of 2020. He has over 20 years of experience working in the fire service, in both operations and prevention. Mr. McAdams has served on the Board of Directors for the International Association of Wildland Fire (IAWF), and on the Editorial Board for *Wildfire Magazine*. He is an experienced IAAI certified fire investigator, and also holds certifications as an ICC Fire Inspector I, II and Fire Plans Examiner. Mr. McAdam s is an NFPA Certified Wildfire Mitigation Specialist (CWMS) and works as a contract instructor, teaching courses nationwide on ignition vulnerabilities for wildland fire. He has been a guest speaker/panelist for several online webinars, as well as presenting at numerous national and international conferences. In 2018, Mr. McAdams started MC Fire, LLC, to provide professional consulting services to individuals and businesses seeking to mitigate their risks from the threat of wildfire. He has a bachelor's degree in Psychology from Boise State University and has finished half of the coursework toward an MBA. He, and his wife of 23 years, have four adult children and three grandchildren, and he loves to engage in outdoors activities with his family and friends.

Brett Van Paepeghem *Southern Idaho Project Manager – Idaho Firewise*
Mr. Paepeghem is a 4th generation Idaho native. He holds an AAS degree in Horticulture and BAS degree in Biology with specialization in Botany and Ecology from Boise State University. He has worked for the US Forest Service and the Bureau of Land Management. In June of 2014 Mr. Paepeghem joined Idaho Firewise as the Southern Idaho Project Manager where he manages the Idaho Firewise Garden, and he has collaborated with various agencies on the development of several Firewise Demo Landscapes throughout Idaho.

Webinar Information

Log into Webinar 9:30 - 10:00 am CDT	Break 12:15 - 12:45 pm CDT
Morning Session 10:00 am - 12:15 pm CDT	Afternoon Session 12:45 - 5:00 pm CDT

Tuition
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International Residential Code 2021
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- Thurs., Feb. 25, 2021 | 10:00 am - 12:00 pm CST

Complying with Fire Protection & Building Codes
- Thurs., Feb. 25, 2021 | 8:00 am - 4:00 pm CST

Construction Scheduling and Cost Control
- Thurs., Feb. 25, 2021 | 9:30 am - 2:00 pm CST
- Fri., Feb. 26, 2021 | 9:30 am - 2:00 pm CST

International Building Code 2021
- Fri., Feb. 26, 2021 | 9:00 am - 5:00 pm CST

Pruniversity: Plant Health Through Pruning
- Thurs., Mar. 4, 2021 | 9:00 am - 5:00 pm CST

Complying with Fire, Building and Mechanical Codes: Focus Fire Rated Ducts & Enclosures
- Wed., Mar. 10, 2021 | 7:30 am - 2:50 pm CST

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This webinar offers 6.0 PDHs to professional engineers and 6.0 HSW continuing education hours to architects in all states. It offers 4.0 HSW continuing education hours to landscape architects licensed in all states, except Florida, New Jersey, or North Carolina.

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This course is approved by the International Code Council for .6 CEUs in the specialty are of Fire (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).

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