

Own Your Zone: *First Five Feet*

Protect Your Home From Wildfire

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Purpose & Objectives



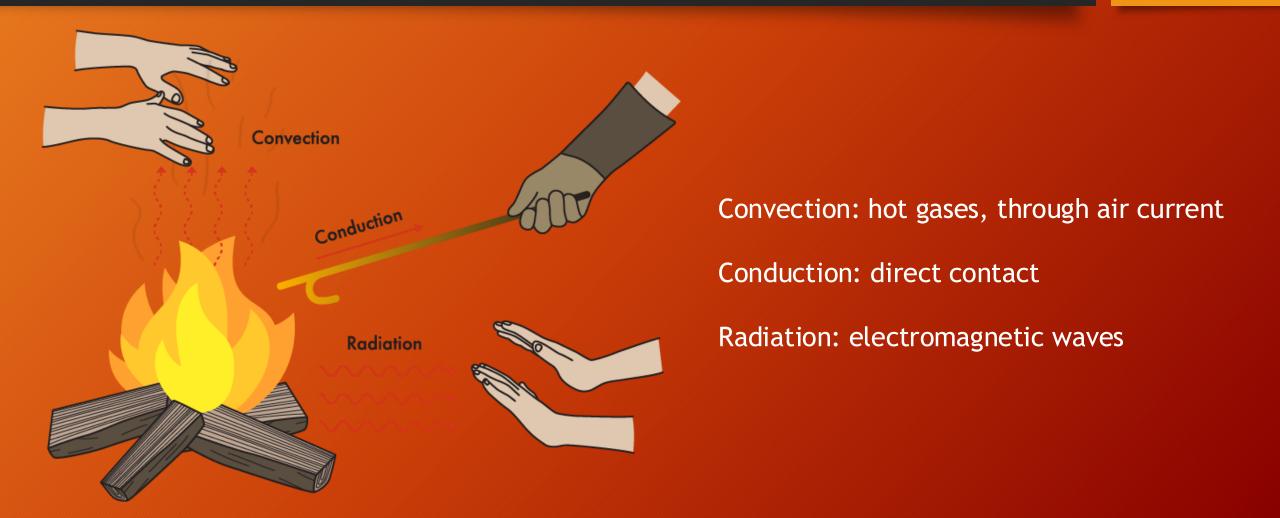
- Educate homeowners on the science of structure-to-structure ignition
- Explain the term "Home Hardening" & relationship to flying embers
- Inform why the Immediate zone 0'-5' is the most critical zone
- Empower communities to take a stand against neighborhood devastation

Structure-to-Structure Ignition

• Where fire can spread from one structure to another because of proximity, radiant heat, firebrands (embers) and adjoining combustible materials.



Types of heat transfer

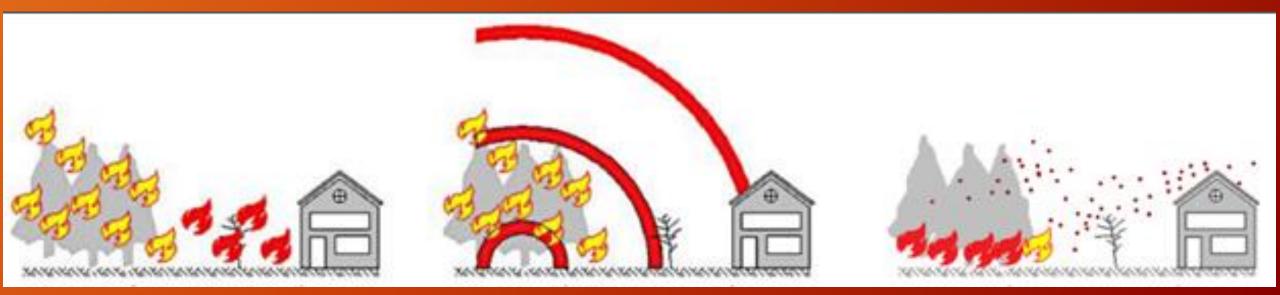


Types of Heat Transfer- Wildland to Structure

Conduction: direct contact

Radiation: EM waves 90% of homes burned during wildfires are ignited by embers

Convection: smoke column carrying firebrands/embers





What was the "fuel" in these fires?



CAMP Fire, Paradise, CA 2018

Beachie Creek Fire, Detroit, OR 2020

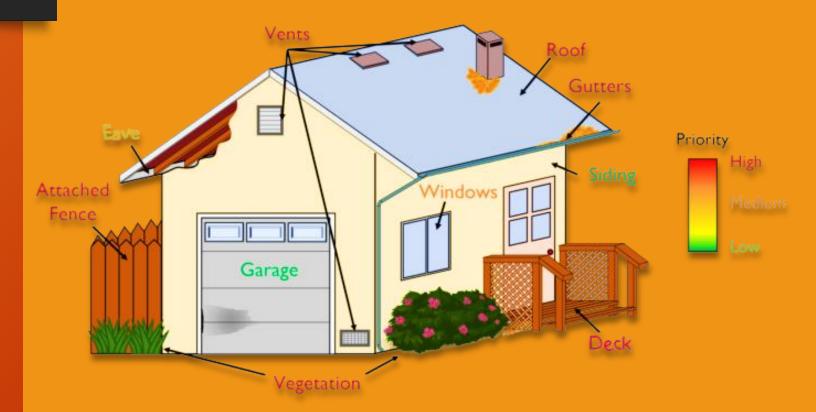
How do we prevent this from happening?

- 1. Home hardening
- 2. Defensible Space
- 3. Educating our communities



Home Hardening

 Where vegetation management compliance and noncombustible building materials are used to resist the intrusion of flames or embers projected by a wildland fire.



Home Hardening Priorities



Defensible Space

 A buffer zone of maintained vegetation around a building, designed to reduce the risk of fire spread and protect the structure from wildfire.



Immediate Zone 0'-5' Focus on the Closest

•Clean leaves, pine needles, etc. from roof and gutters

• Repair loose or missing roof shingles, windows or screens

•Install 1/8-inch metal mesh screening over attic, crawlspace and eave vents

•Remove flammables (mulch, leaves, needles, firewood) away from wall exteriors and under decks

•Use non-combustible ground cover(cement pavers, crushed stone, mineral soil)



Attachments- Decks and Fences





Immediate-noncombustible zone applied...



Noncombustible rock around siding



Noncombustible rock under decking

More options...

Fire resistant plants and noncombustible walkway



Non-combustible ground cover with deciduous trees



We want to avoid...





Bark mulch against siding with Flammable shrubs under window



We want to avoid...



Combustible materials against the home

Continuous fuel without a safety gap



And this is why...

Flammable vegetation aiding in fire spread



Flammable vegetation in Immediate Zone

Work with your neighbors!

Many communities share the immediate Zone 0-5'

 This means you <u>share fire risk</u>
Work together to clear away combustibles between between houses



NO one can do this job alone!

Many people are waiting for neighbors to do their part first...

- Lead by example
- Offer to educate neighbors about a wildfire prepared home
- Direct efforts to those that want to participate



Resources

- NFPA Firewise Program
 - NFPA.org / Firewise
- Bend Fire & Rescue
 - Bendoregon.gov/wildfire-FAQs
- Deschutes County Rural District #2
 - Dcrfpd2.com
- Get notifications
 - Deschutesalerts.org
- Project Wildfire Neighbohood Coalition
 - Projectwildfire.org



Bend Fire

Sign up for our free Home Protection Strategies Workshop!

Protect your home from wildfire

Workshops on Wildfire Home Protection Strategies

- Local fire ecology
- Home assessments
- Landscaping
- Home materials

Fill Out Interest Form



https://beav.es/qaq





Wildfire is inevitable.. Community destruction is NOT!



Thank you!