

National Wildfire Prevention Day Workshop

Sponsored by the Oakland Firesafe Council, the Piedmont
Pines Neighborhood Association and the Montclair
Neighborhood Council

May 4, 2019



Reducing Ember Risk - Home Hardening

Staff Chief David Shew, Retired
CAL FIRE / Office of the State Fire Marshal

**“WILDFIRES ARE INEVITABLE BUT
WILDLAND URBAN DIASTERS DON’T
HAVE TO BE”**

Jack Cohen
USFS ret.

What role do we all play to make this come true?

Perhaps the single most predominant factor for structures destroyed in wildfires:



ARE EMBERS!

Statistically speaking, approximately 80% to 90% of all structures damaged or destroyed by wildfires are the result of embers

And if embers ignite a structure, it generally has only a 5% to 10% chance of surviving the fire



Science Based Research is being done, but much more is needed

Question: Are we emphasizing this issue enough?



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HOME IGNITION ZONE:



The condition of the home and its immediate surroundings determine the likelihood of a home igniting from a wildfire

SUCCESSFUL HOME IGNITION ZONES:



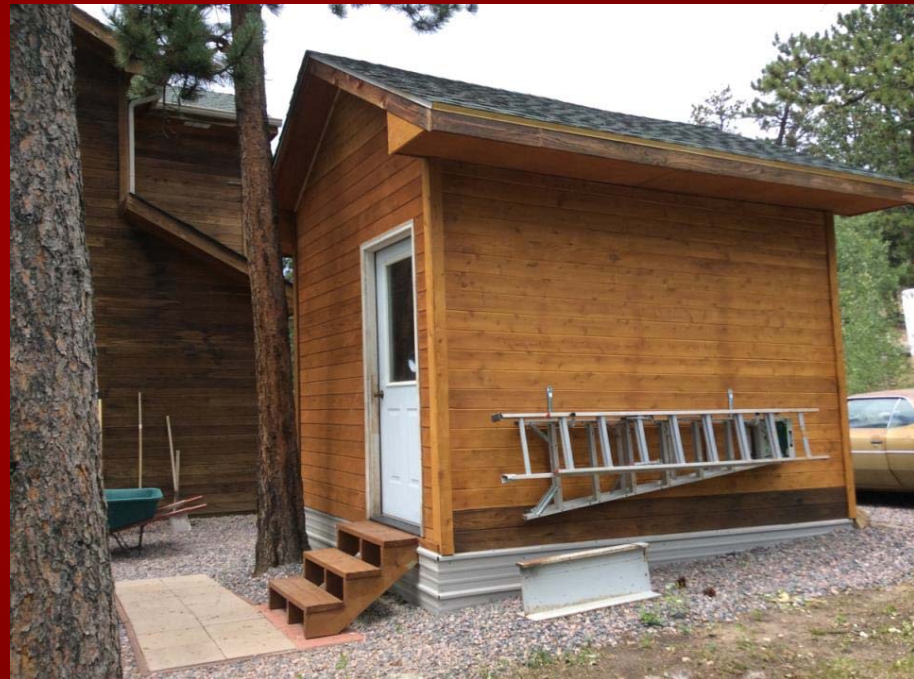
PUBLIC EDUCATION CAN WORK!



FROM THIS:



TO THIS:







WOODEN FENCES CAN
IGNITE HOMES:



WHY DID THIS HOME SURVIVE?







THANK YOU!

Staff Chief David Shew, Retired

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WILDFIRE DEFENSEWORKS

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