

# Community Planning to Reduce Wildfire Risks





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...but wildfires disasters don't have to be.

Dr. Jack Cohen







# Fire Adapted Communities

Human populations and communities are as prepared as possible to receive, respond to and recover from wildfire



# Resilient Landscapes

Landscapes, regardless
of jurisdictional
boundaries, are resilient
to fire, insect and
disease disturbances









Safe, Effective, Wildfire Response

All jurisdictions participate in making and implementing safe, effective and risk-based management decisions

## Fire Adapted **Communities**

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# Resilient Landscapes

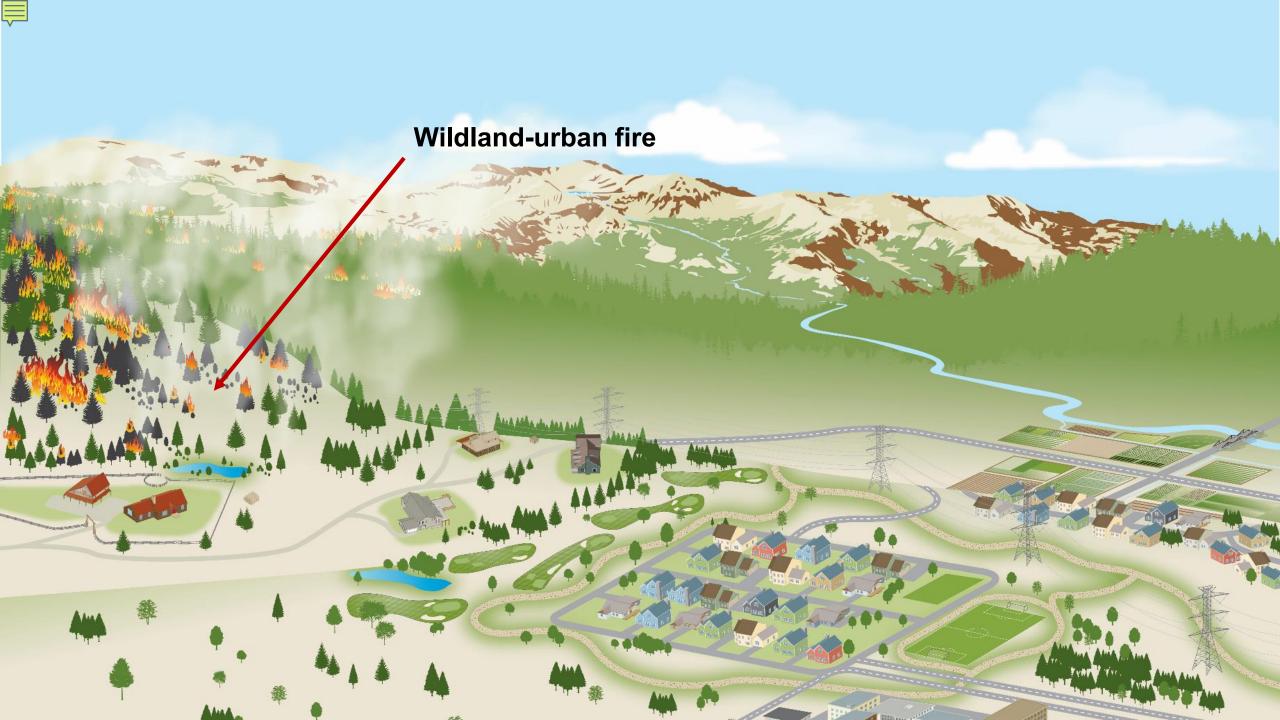
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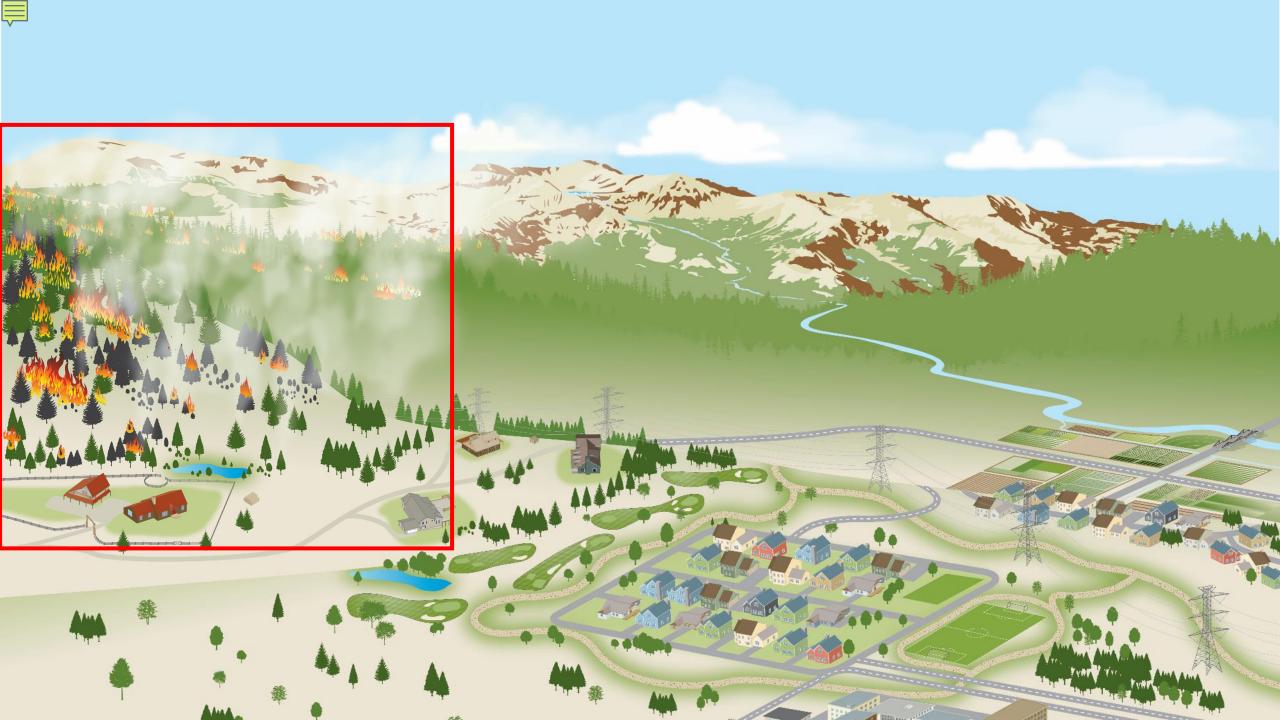




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Effective, Wildfire Response

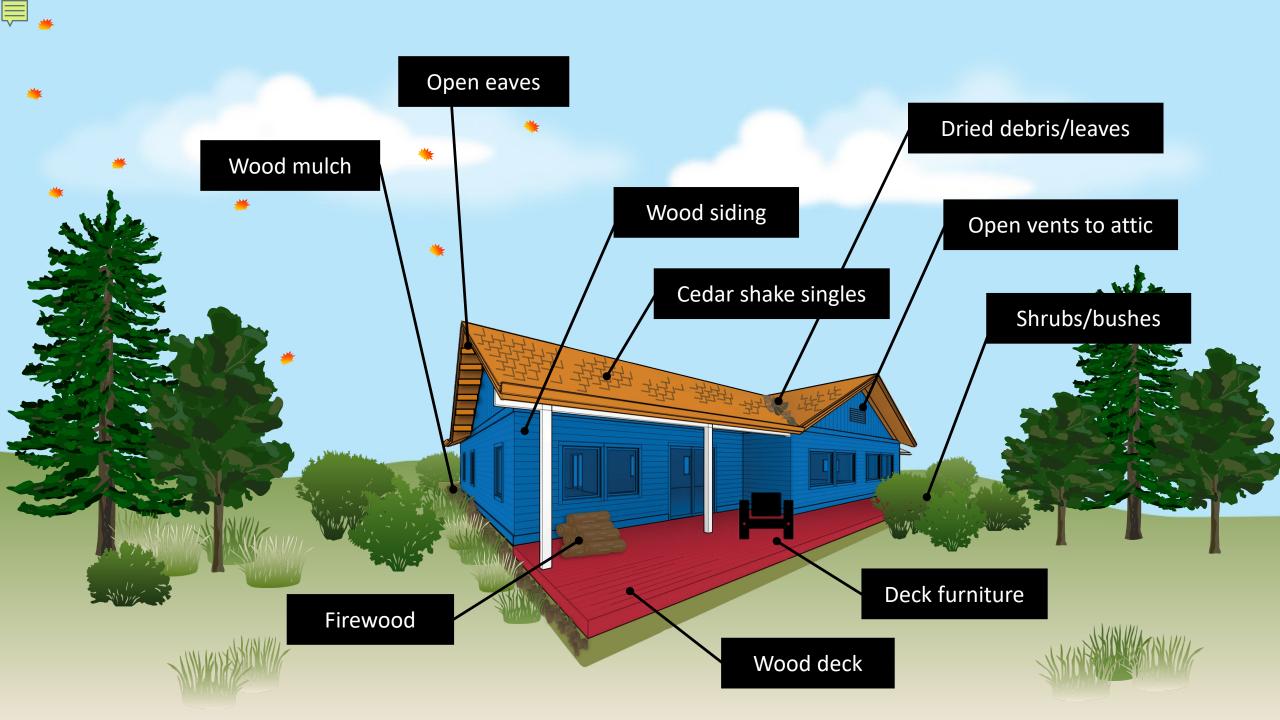












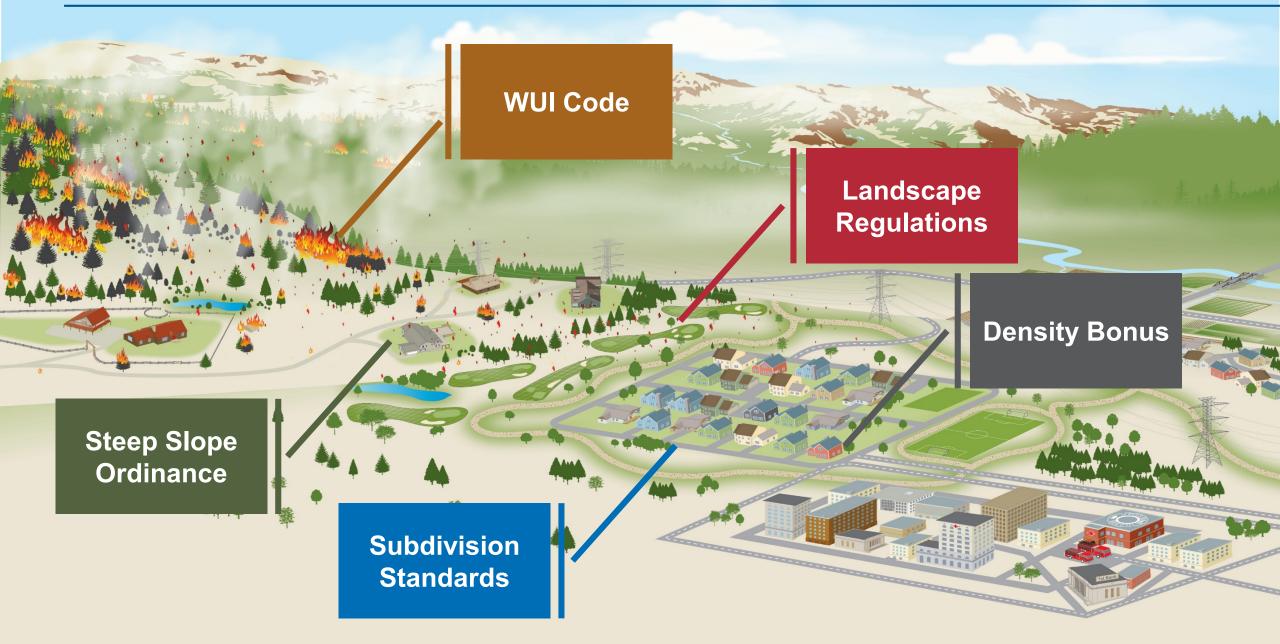


# Reducing home ignition vulnerabilities is crucial





# **Planning for Fire-Adapted Communities**



# **Three Examples**

State of California | Pop: ~40 Million

**Building Code** 

City of Austin | Pop: ~1 Million

**WUI Code** 

Missoula County | Pop: ~116,000

**Homeowner-Insurance Mitigation Program** 

- Building Code (Chapter 7A)
- Adopted in 2008
- Applicable to fire hazard severity zones



### **Exterior Walls**

- Ignition-resistant
- Multi-pane windows
- Non-combustible doors

### Roof

- Class A, B or C
- Mesh screened vents
- Gutter covers

Near-Home Landscaping

Vegetation management

### **Decks**

 Ignition-resistant surface material



# **Wildfire Resistant Construction**











- Fastest growing city in the country
- 61% of homes located in high-risk areas
- Legacy of racial segregation has placed some populations at higher risk



# **City of Austin**

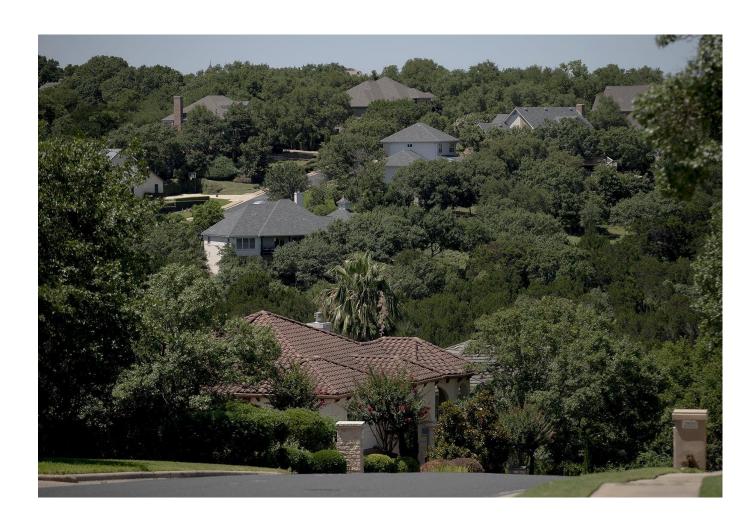
# Missoula County

- Prescribed burns
- Strategic open space

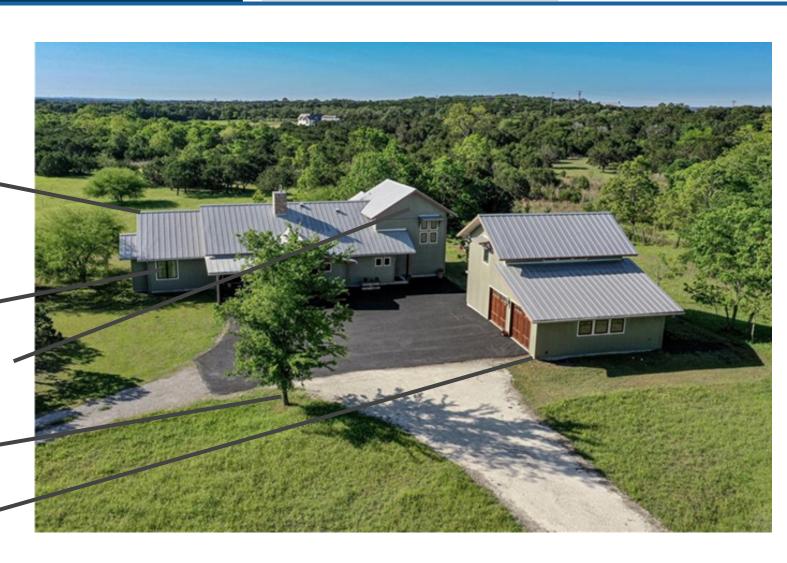




- Prescribed burns
- Strategic open space
- 2020 City adoption of a WUI Code



- Ignition resistant construction materials
  - ✓ Eaves
  - ✓ Siding
  - ✓ Roofs
  - ✓ Exterior doors
- Tempered windows
- Attic vents must be 1/8" or smaller
- Defensible space
- Includes accessory buildings



- Adopt county-wide hazard mapping via Community Wildfire Protection Plan (CWPP)
- Focus on parcel-level risk
- Homeowner-insurance mitigation program





# **Best Practices**

- Focus on the home
- Pass and enforce regulations
- Adopt mapping to determine risk
- Build trust and work closely with local partners
- Requires a multipronged approach
- This is a solvable problem



# **Contact**



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