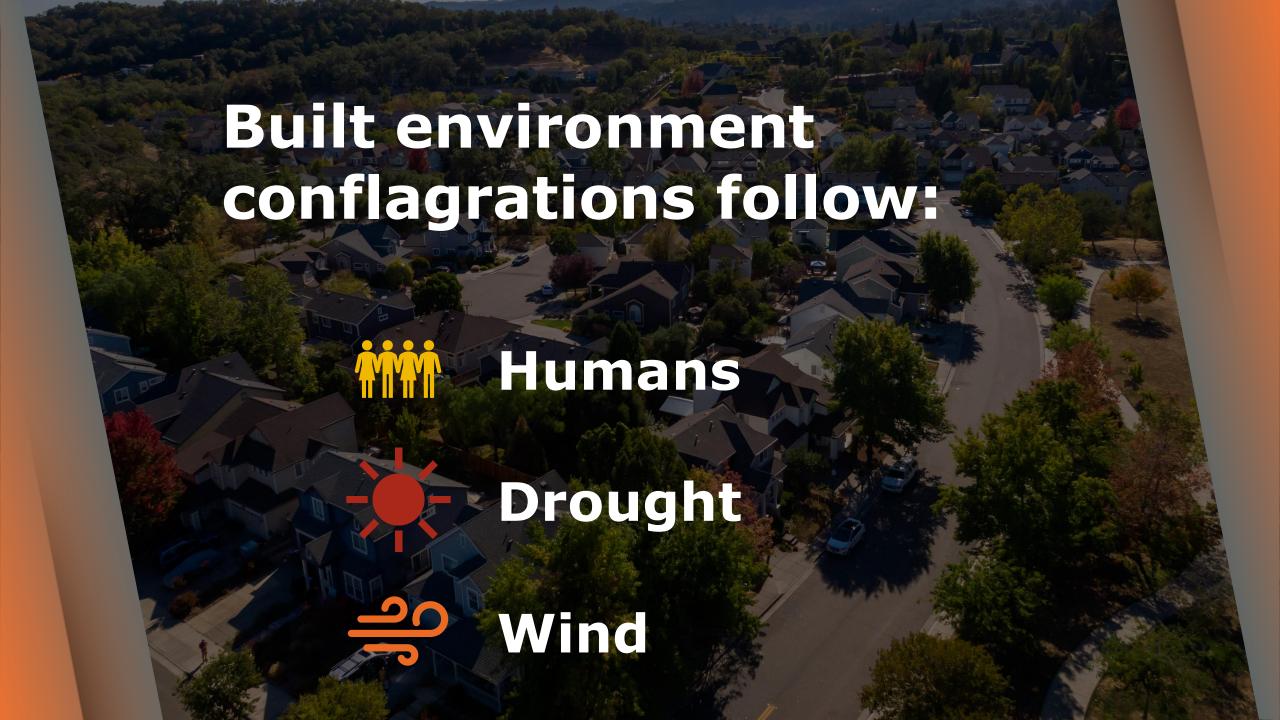
The Science of Wildfire Risk Mitigation

Steve Hawks, IBHS
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COMMUNITY WILDFIRE RESILIENCE

EXISTING FACTORS

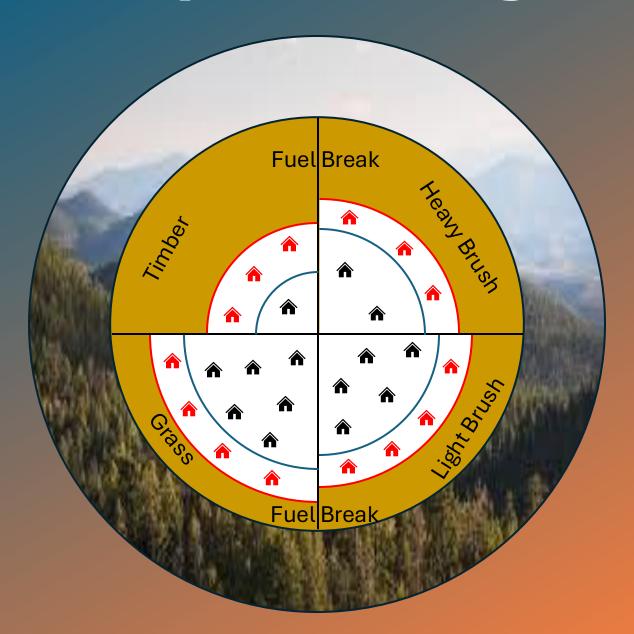
- Environmental Conditions
 - Topography
 - Climatology
 - Weather
- Surrounding Vegetation
 - Wildland Fuels
 - Urban Fuels
- Community Structural Characteristics
 - Density
 - Features and materials
- Supporting Infrastructure

CONTROLLABLE FACTORS

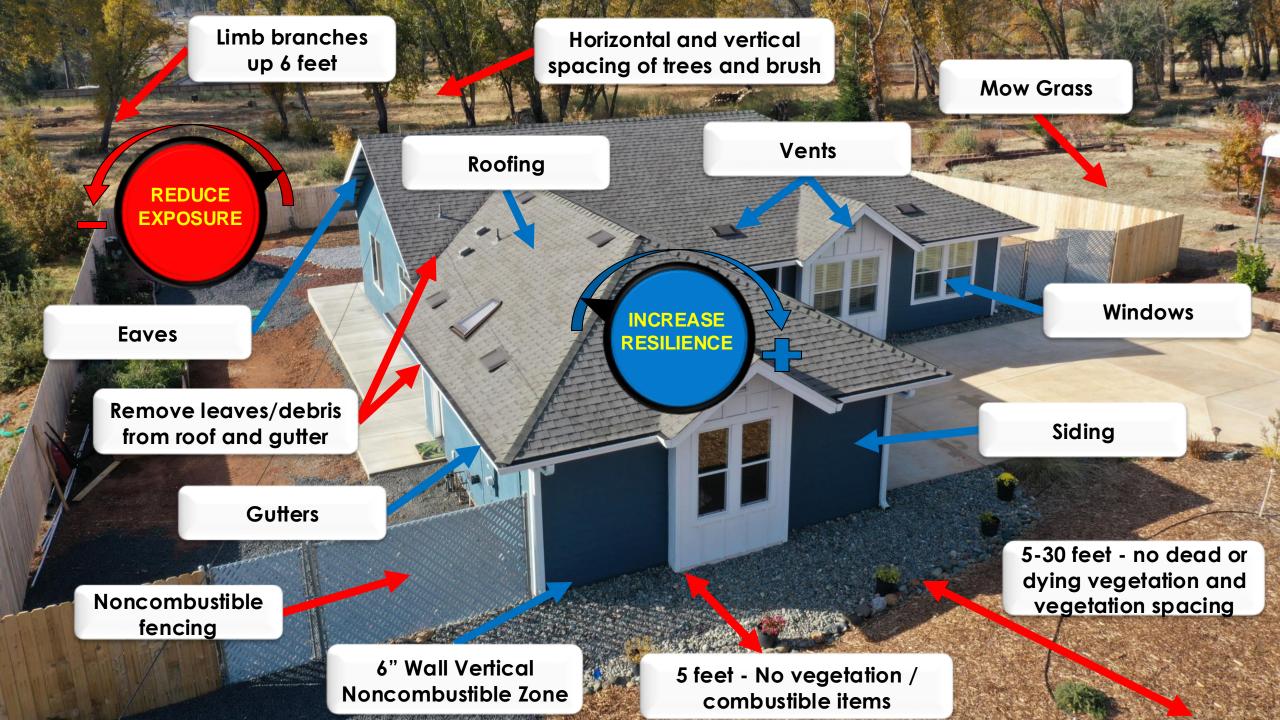
- Fuel breaks
- **Parcel-level Mitigation Actions**
 - Defensible Space
 - Home Hardening
- Fuels within the Community
 - Fuel Breaks
 - Reducing Connective Fuels
- Community Regulations
 - Building Codes/Ordinances
 - HOA Covenants
- Preparedness Programs
 - Grant Programs



Wildfire Prepared Neighborhood









INCLUDED MITIGATIONS

- ✓ Roof
- ✓ Building Features
- ✓ Defensible Space (Zone 0)



ADDITIONAL MITIGATIONS

- ✓ Remove back-to-back fencing
- ✓ Eliminate combustible siding
- ✓ Enclose eaves
- ✓ Enclose under bay windows
- ✓ Upgrade to a wildfire-resistant deck
- ✓ Upgrade windows & doors
- ✓ Cover gutters
- ✓ Move outbuildings at least 30 feet away

Embers & Flames

Preparedness Programs: Grant Funding

California Wildfire Mitigation Program

Financial assistance to socioeconomically disadvantaged communities in high wildfire threat areas

Wildfire Prevention

Local assistance grant program to fund fire prevention effort in and near fire-threatened communities

