

IBHS Research Wildfire Prepared

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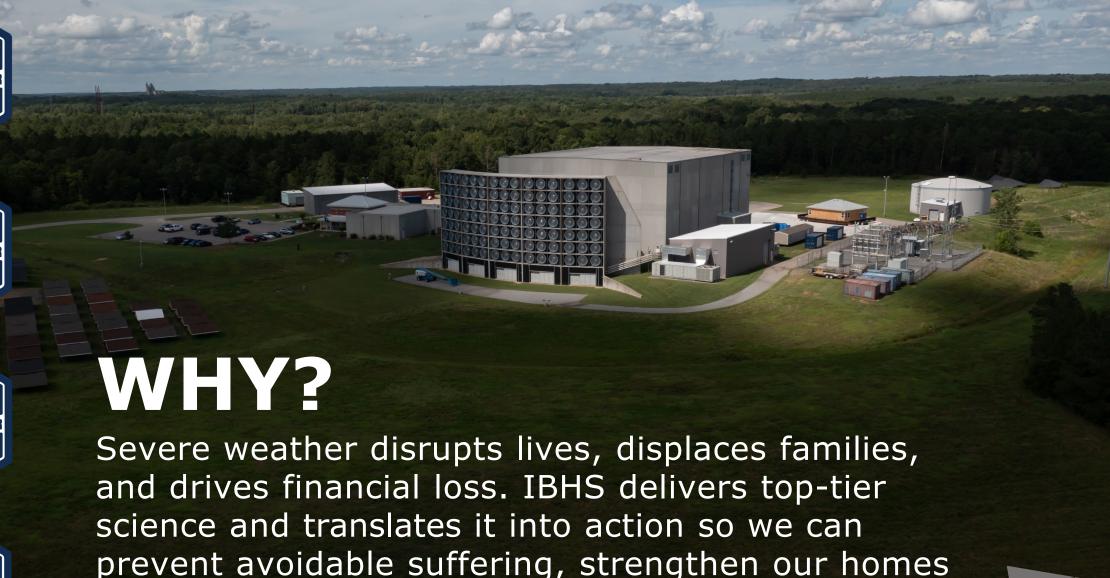
Insurance Institute for Business & Home Safety









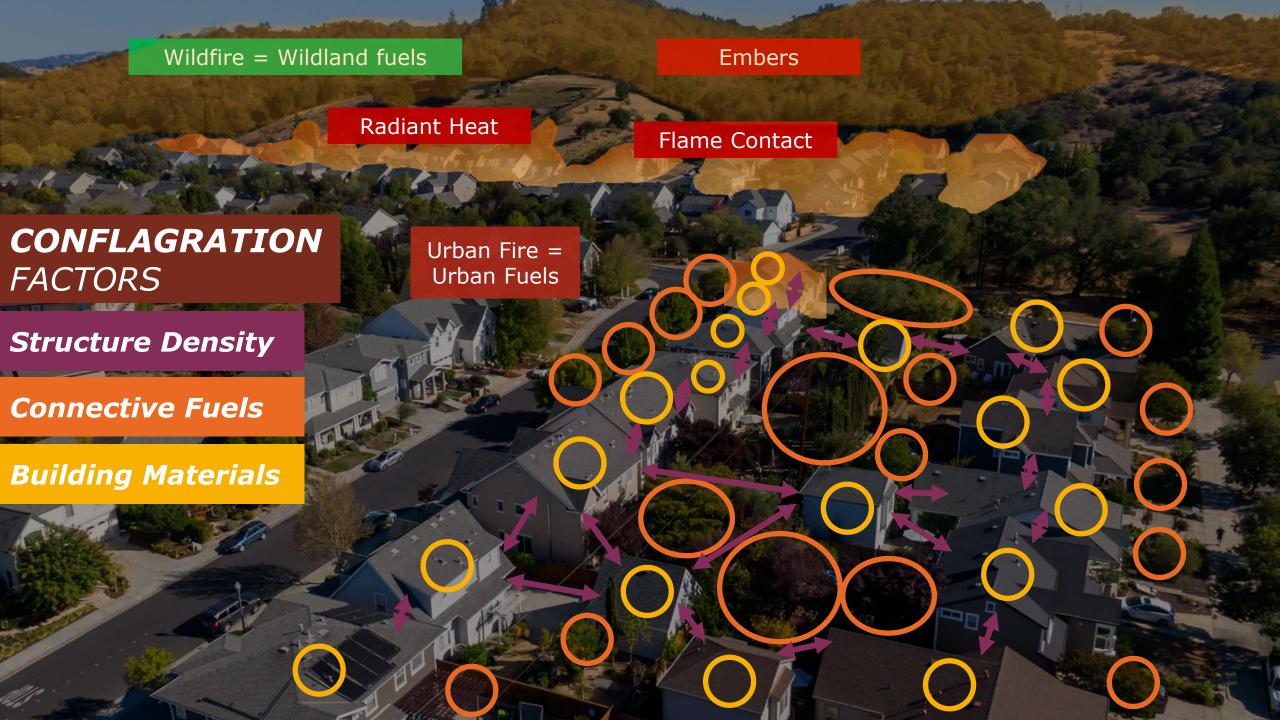


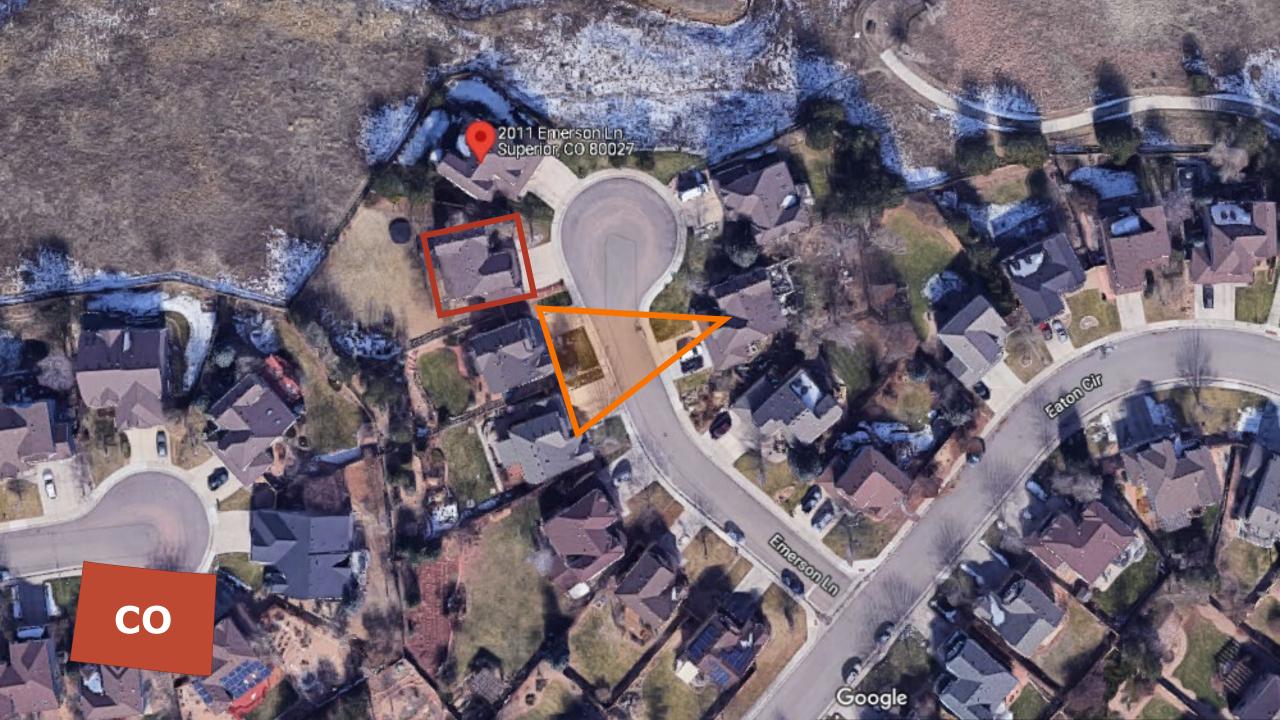
and businesses, inform the insurance industry and

support thriving communities.

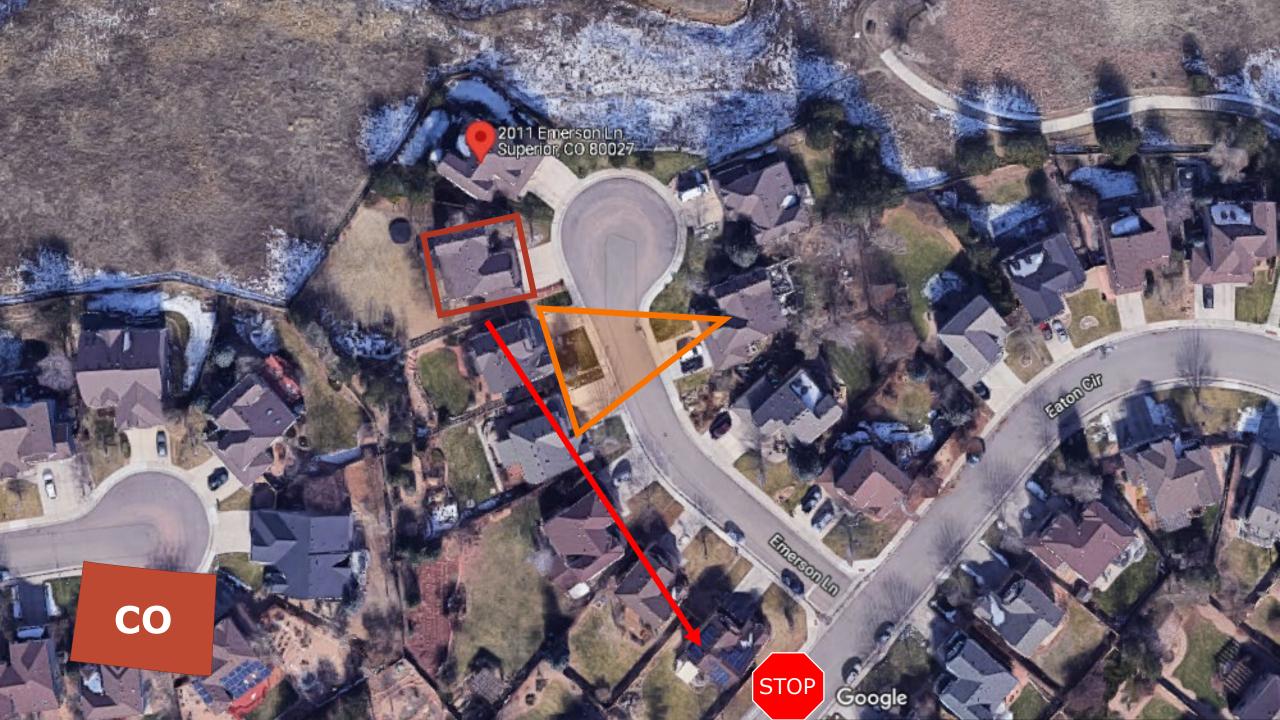




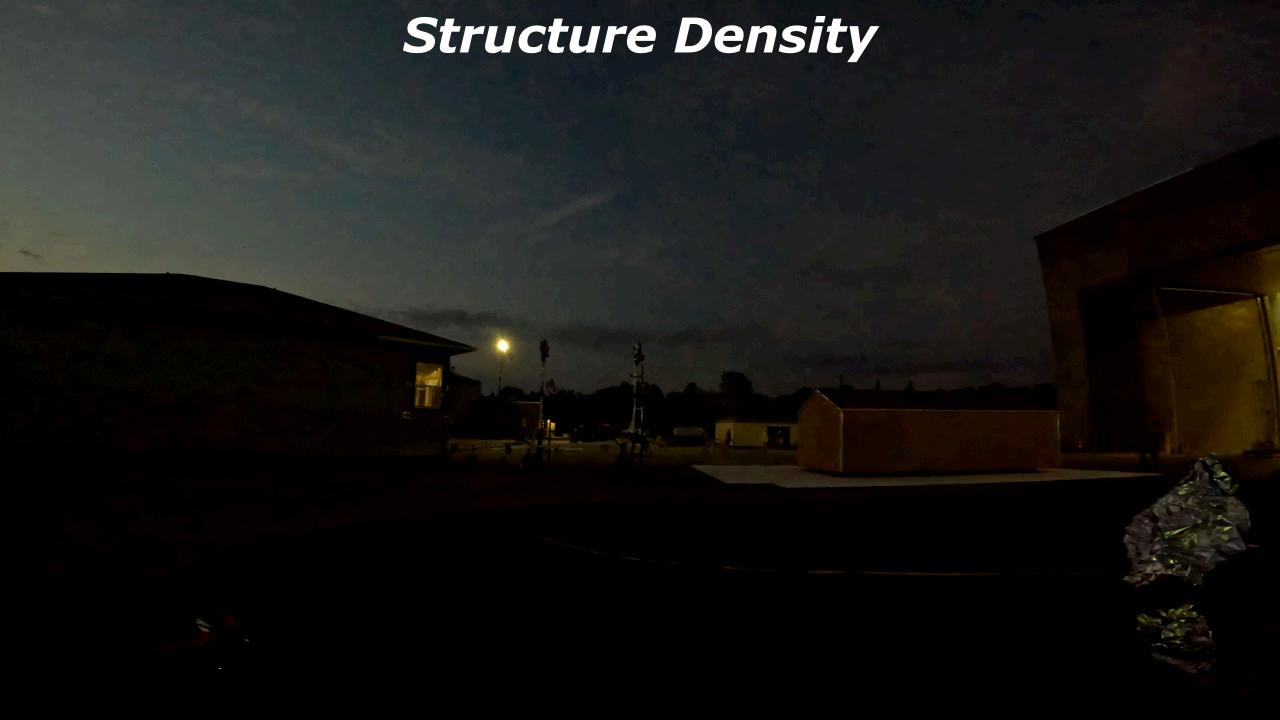














OUTBUILDINGS

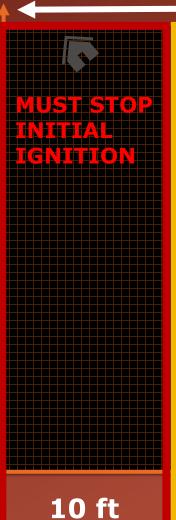
Total Loss

Potential Total Loss

Severe Damage

Minor Damage

No Damage





20 ft 30 ft

Ember mitigation and defensible space have a BIG impact on structure ignition



40 ft

50 ft

Separation Distance





Metal Shed



MUST STOP IGNITION FROM EMBERS



0 - 5 FEET CONNECTIVE FUELS

FIELD OBSERVATIONS: LA COUNTY



Synthetic Lawn





ADDITIONAL MITIGATIONS AGAINST FLAMES

- ✓ Cover gutters.
- ✓ Enclose eaves.
- ✓ Install noncombustible siding.
- ✓ Upgrade windows & doors.
- ✓ Upgrade to a noncombustible deck.
- ✓ Move accessory structures at least 30 feet away.
- ✓ Remove back-toback fencing.

ROOF

- ✓ Ensure the roof covering is Class A fire-rated & maintained clear of debris.
- ✓ Choose noncombustible gutters & downspouts.

BUILDING FEATURES

- ✓ Install flame- and emberresistant vents or 1/8-inch metal mesh vents.
- ✓ Ensure 6-inch vertical noncombustible clearance at base of exterior walls and decks.
- ✓ Clear & maintain the underdeck area; enclose low-elevation decks.

0-5 FOOT NONCOMBUSTIBLE ZONE

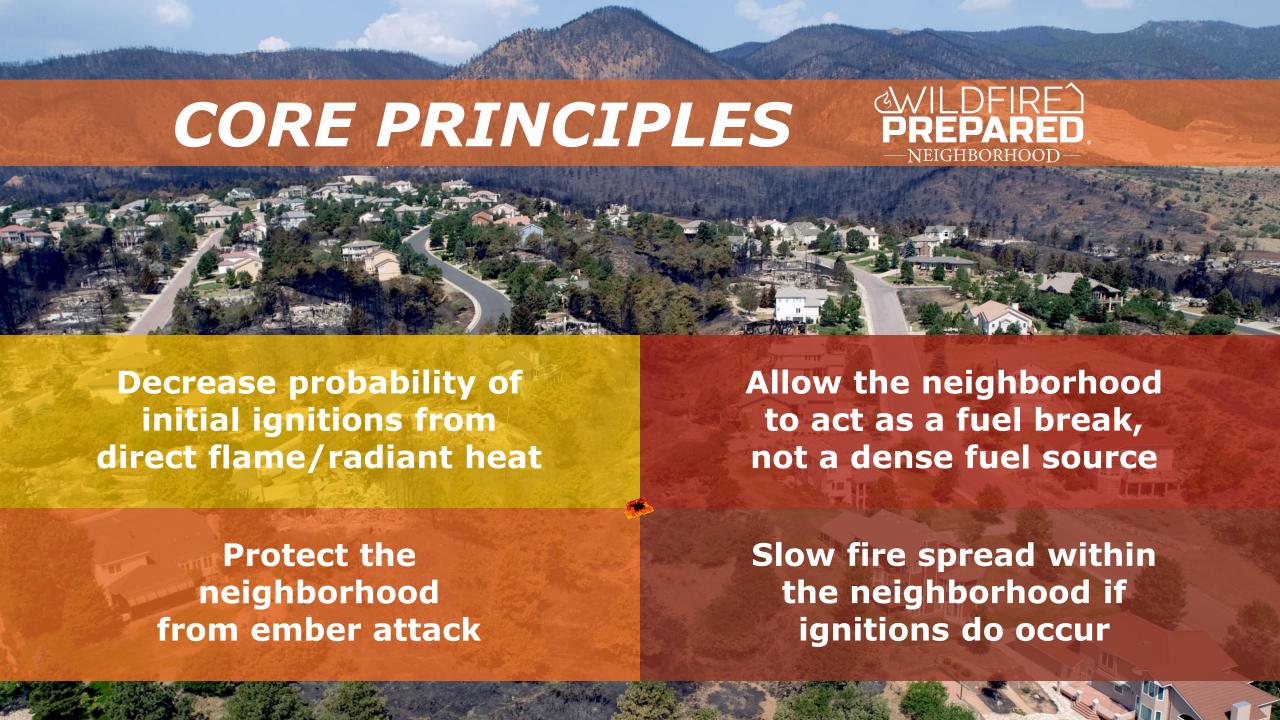
✓ Establish a **0-5 Foot Noncombustible Zone** around the home and decks; remove overhanging branches; replace combustible fences within 5 feet.

5-30 FOOT DEFENSIBLE SPACE ZONE

- ✓ Maintain yard with spaced vegetation, structures, & other connective fuels; clear debris; remove firewood.
- ✓ Move structures at least 10 feet away & maintain a 0-5 Foot Noncombustible Zone around them.

MITIGATIONS







Building Types: Single family, duplexes, and townhomes up to 3 stories or less

90% or more structures separated by a minimum distance greater than 10 ft and less than 100 ft

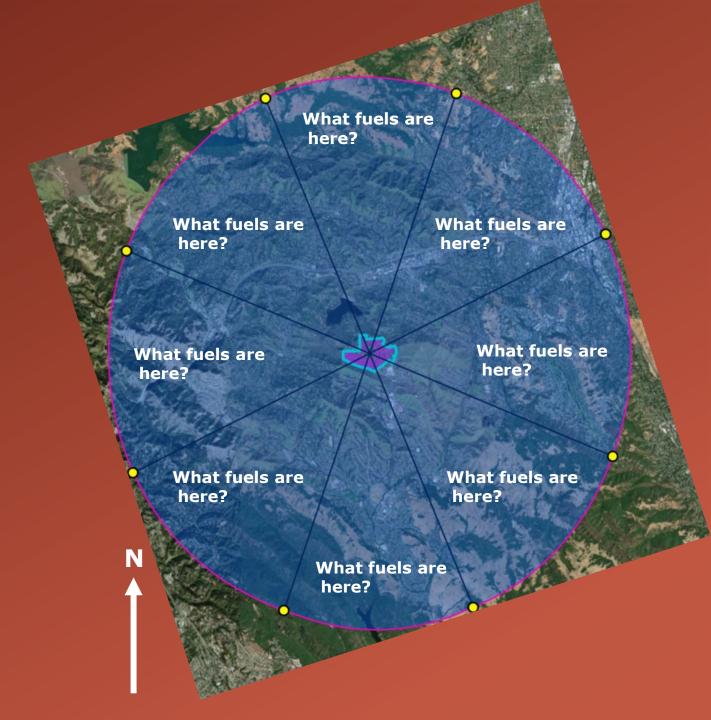
100% Class A Roof Cover Compliance

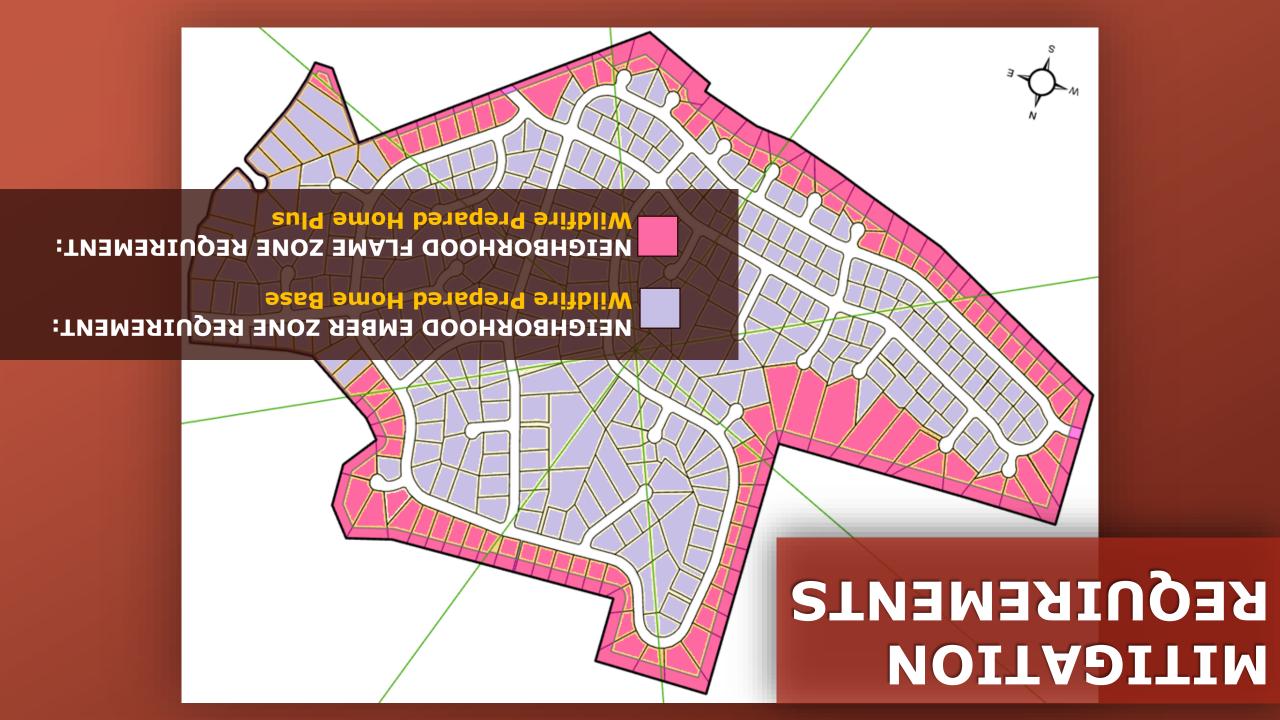
EXTERNAL FUELS

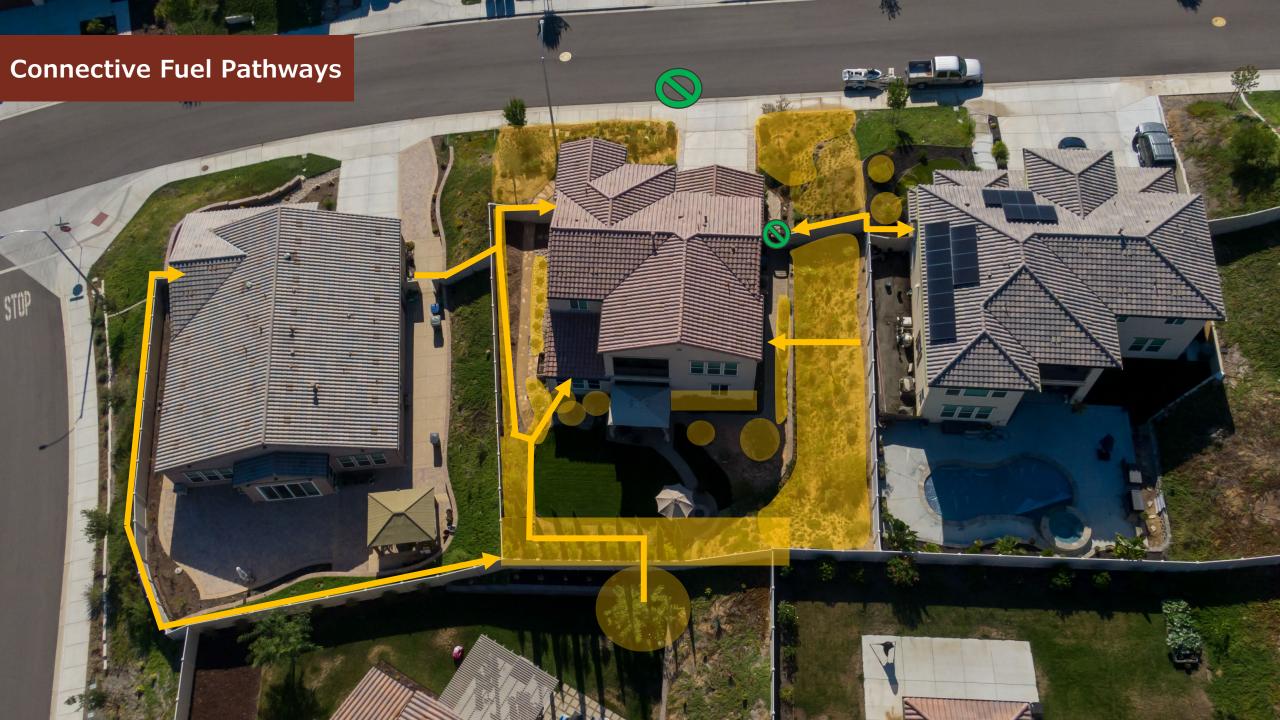
Flames & Radiant Heat: +0.25 miles

Embers: +4.25 miles

Design Wind:
70 mph, 10 m, 3second gust wind
speed open exposure











ONLDFIRED PREPARED — A PROGRAM OF IBHS

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