Insurance Institute for Business & Home Safety















Severe weather disrupts lives, displaces families,

and drives financial loss. IBHS delivers top-tier

science and translates it into action so we can

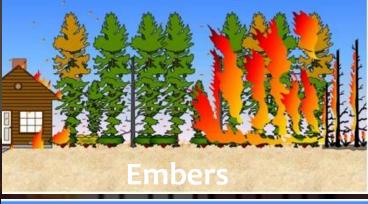
prevent avoidable suffering, strengthen our

homes and businesses, inform the insurance

industry and support thriving communities.

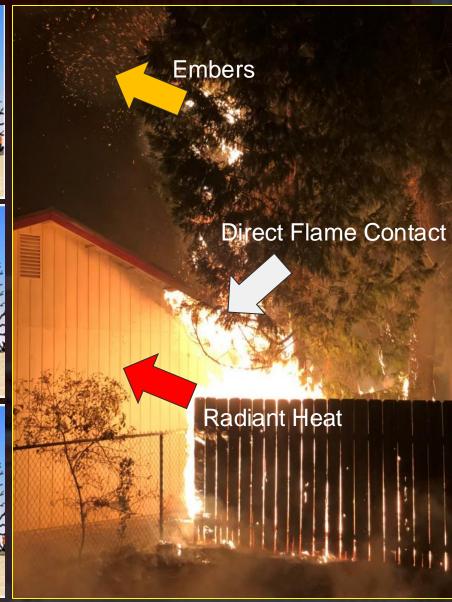
Structure Exposure from Wildfire

- How structures are exposed to wildfire
 - Embers –Are responsible for up to about 90% of home and business ignitions
 - Direct
 - Indirect
 - Direct FlameContact
 - Radiant Heat









CAL FIRE Damage Inspection Data

California Wildland-Urban Interface Fires 2014-2022

Years	Category of Damage			Structu		% of Residential				
		Single Family Residences	Multifamily Residences	Mixed Residential Commercial	Nonresidential Commercial	Other Minor Structures	Infrastructure	Total	Structures Damaged and Destroyed	Structures Damaged and Destroyed
2014—2022	Destroyed	35148	313	100	1764	14887	82	52294	92.17%	91.88%
	Major	201	8	1	31	221	23	485	0.54%	0.85%
	Minor	534	15	4	78	272	16	919	1.43%	1.61%
	Affected	2182	72	3	213	711	39	3220	5.86%	5.66%
	TOTAL	38065	408	108	2086	16091	160	56918	100.00%	100.00%

AND DESCRIPTION OF THE PERSON	CONTRACTOR OF THE PARTY.																	TAX 1 5, 195 (
Total	2014		2015		2016		2017		2018		2019		2020		2021		2022		2014-2022	
Structures Destroyed	240	96.77%	3141	96.56%	1223	94.44%	10922	90.56%	22704	93.71%	555	69.20%	9494	89.39%	3243	91.74%	772	88.13%	52294	91.88%
Structures Damaged	8	3.23%	112	3.44%	72	5.56%	1139	9.44%	1523	6.29%	247	30.80%	1127	10.61%	292	8.26%	104	11.87%	4624	8.12%
Structures Damaged and Destroyed	248		3253		1295		12061		24227		802		10621		3535		876		56918	

- 90 95% of all structures that catch fire will be destroyed
- 70% of all structures destroyed are residential structures

Growing impacts of wildfire demand a solution.

PARCEL + COMMUNITY

2013

Ember Entry

through Vents

2016

Flame Spread

through Pine Needles

2020

Suburban Wildfire

Adaptation Roadmaps

2022

Wildfire Prepared Home, Wind-driven Building to

Building Fire Spread

2011

Full-scale Ember Exposure 2015

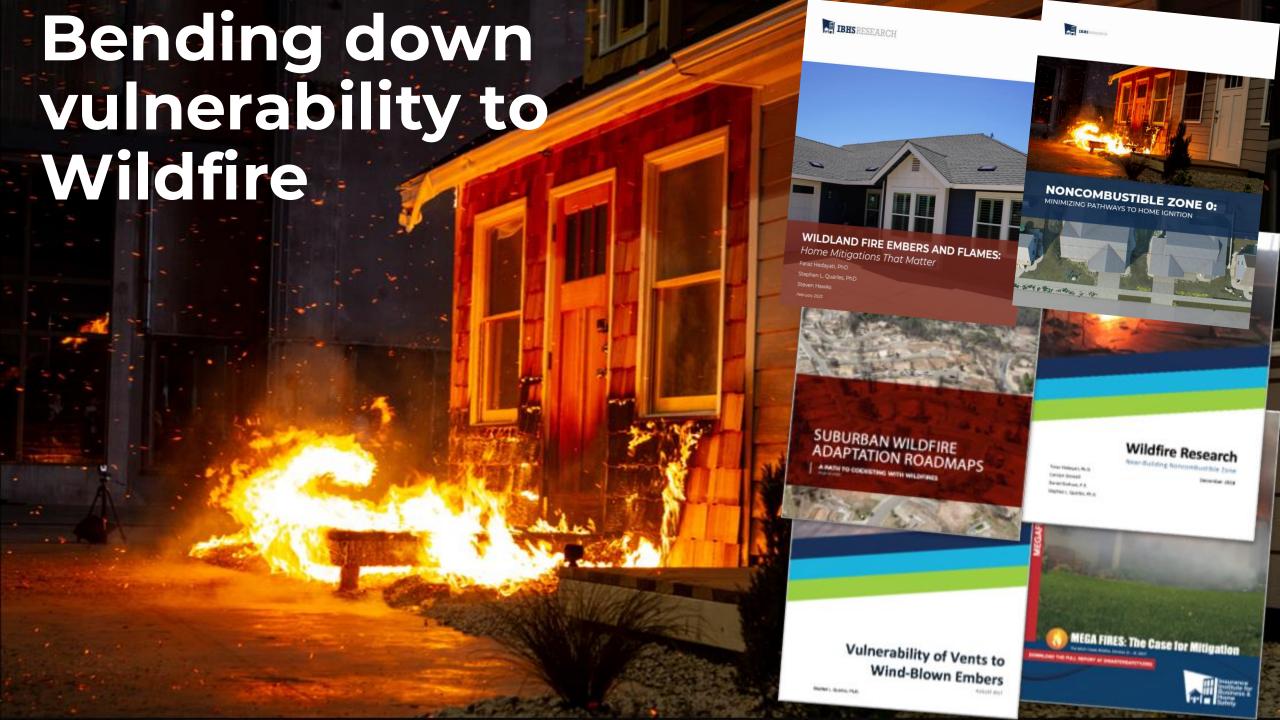
Deck & Fence Vulnerabilities 2018

Near-building
Noncombustible Zone

2021

Structure Separation Experiments, Fuel Breaks,

and Burning Brand



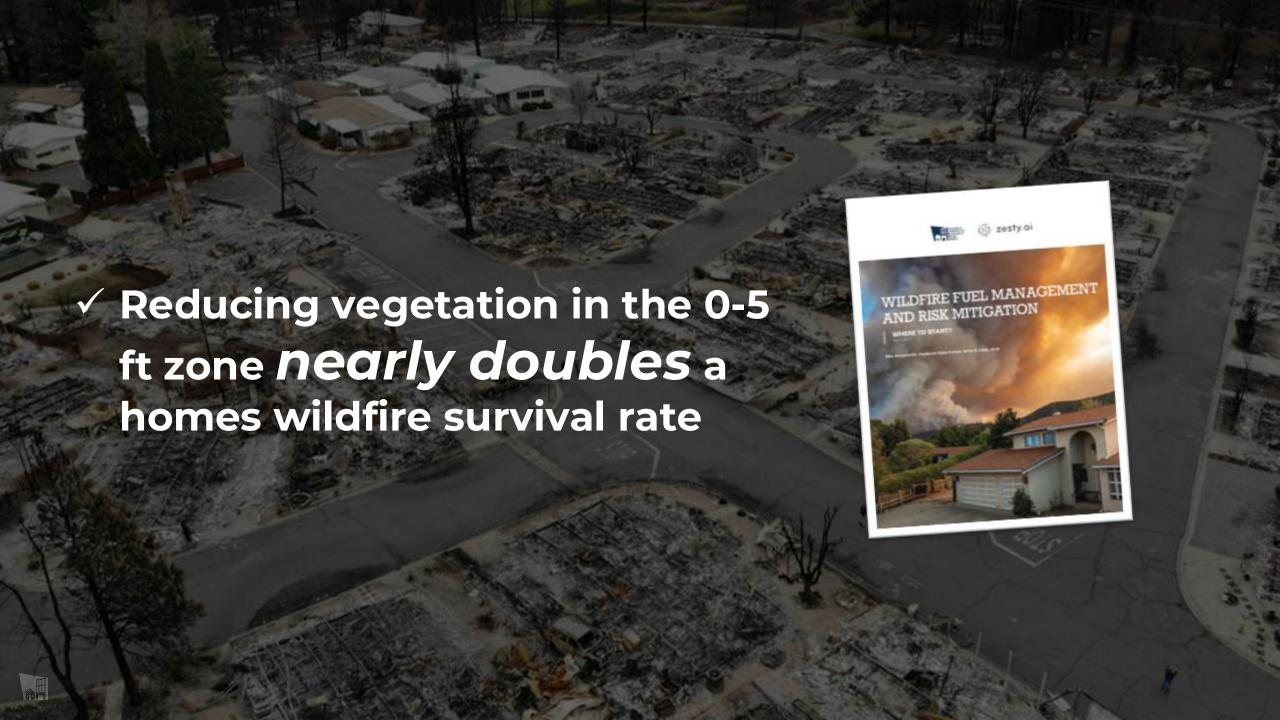




















-A PROGRAM OF IBHS —

Replace combustible fencing within 5 ft of the home

Designation Process



Step-by-step guide to meeting the standard

Initial Process Complete Mitigation Work

Apply

Provide Eligibility Photos

In-Person Documentation

WFPH Designation

Ongoing Process Annual Landscape Review

Re-Designation



Community

- One of the biggest challenges we face
- Less developed science
- More variables
 - Planning documents
 - Codes/Public Policy
 - Notifications
 - Evacuation Routes
 - **Emergency Response**
 - Critical Infrastructure
 - Community Fuel breaks
 - Home Hardening
 - Defensible Space
 - Recovery



