# Creating Strong Homes in the Face of Floods, Wildfires, and More

Arizona Resiliency and Mitigation Council Wednesday, April 9, 2025

> Leslie Chapman-Henderson President and CEO





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# **Our mission**

We promote life safety, property protection and resiliency by empowering the community with knowledge and resources for strengthening homes and safeguarding families from natural and manmade disasters.

# **Our vision**

A world where people value, demand, and build strong homes and resilient communities.

# **Core Values**



# Innovation

Designing and developing effective and easy-to-use tools and techniques to foster mitigation behavior change.

# Integrity

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Designing and developing effective and easy-to-use tools and techniques to foster mitigation behavior change.

# Collaboration



Designing and developing effective and easy-to-use tools and techniques to foster mitigation behavior change.

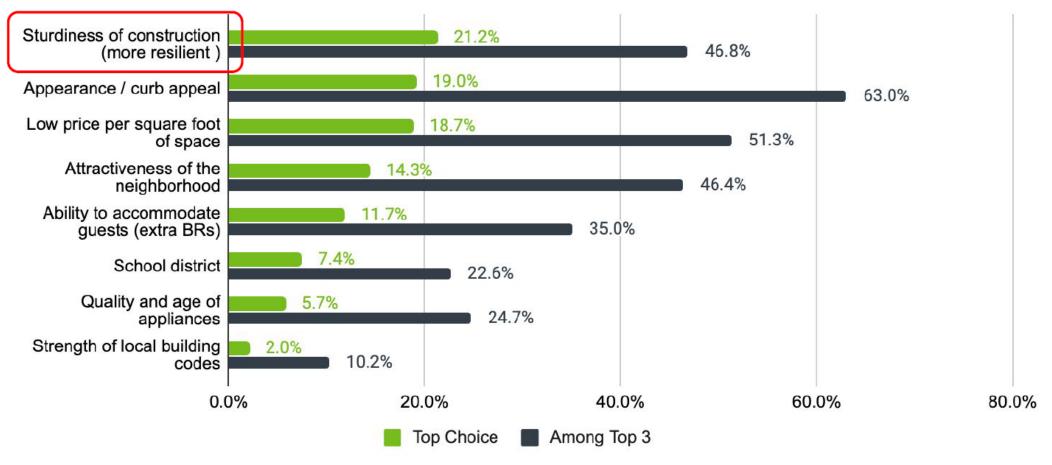


 1998 – Volunteer committee of emergency managers, insurers, meteorologists, risk communicators, and organizations dedicated to strengthening homes and safeguarding families

 Today – Nonprofit coalition of more than 100 academic, corporate, nonprofit, and government partners



# Qualities people seek when buying a home

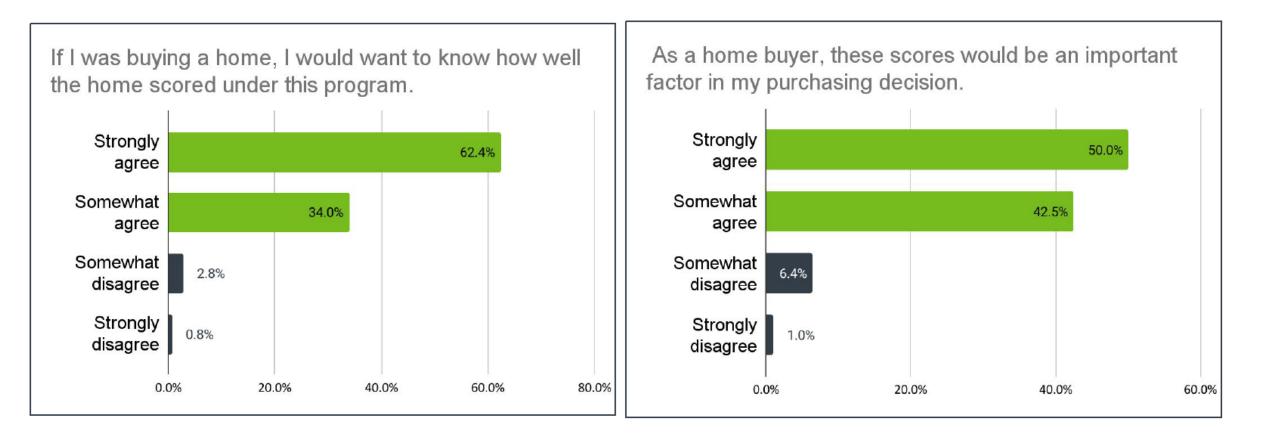


SOURCE: FLASH Resilience Score Survey, July 2024 (n=1054)



# **Resilience scores could influence home buying**

# Homeowners want to know a resilience score ... and make it part of their purchase decision



SOURCE: FLASH Resilience Score Survey, July 2024 (n=1054)



**91%** of Strongly agree 44.3% homebuyers think scores will Somewhat help them sell 46.3% agree their home. Somewhat 8.0% disagree Strongly 1.4% disagree 0.0% 10.0% 20.0% 30.0% 40.0% 50.0%

This program would help me sell my home.

SOURCE: FLASH Resilience Score Survey, July 2024 (n=1054)



# **Takeaways - Home***builder* **Sentiment**

- Understand and accept the role and importance of building codes
- Pain points include legitimate concerns regarding code implementation
- Emphasis on the need to balance the cost/benefit of codes and resilient building practices
- Suggest that if their customers are onboard, they are onboard



# Takeaways - Home<u>owner</u> Sentiment

- High value for resilient/sturdy construction
- Informational needs/preferences include:
  - Simple language
  - o Understandable visuals
  - $\circ$   $\,$  Timely information delivery
- Credible structural insights for their homes





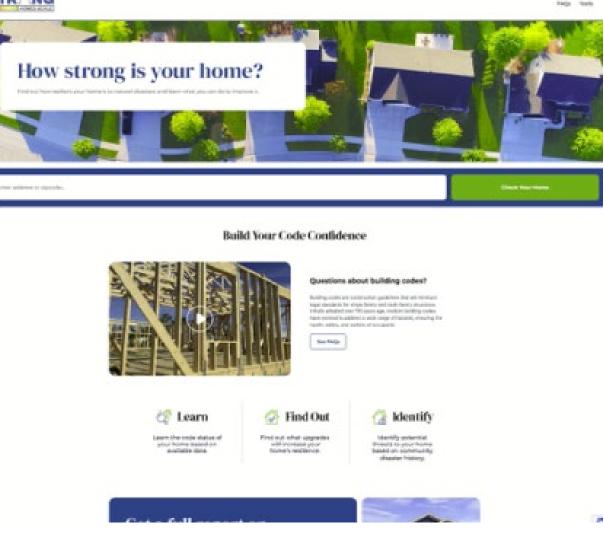


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# Inspect2Protect.org Homepage

- Research-based call-to-action: How Strong is Your Home?
- Address or location-specific reports
- Building code video case study
- Partnership tools





# **How it Works**

- Enter an address, city, or zip code into the tool
- The Scale then provides a custom home strength rating and identifies ranked disaster risks in the area, such as earthquakes, floods, hurricanes, tornadoes, wildfires, or winter storms
- Click on features to reflect post-construction upgrades and see how they may impact a home's overall resilience rating (once features have been added, the Scale rating will adjust dynamically)
- Users receive a printable checklist on their homes' resilience features and recommendations for upgrade options.

# **Key Features**

- Custom Building Code
   Lookup
- Strong Homes Scale
- Peril-Specific Retrofit Suggestions
- Comprehensive 3D and 2D Illustration Library
- Links to Technical Resources
- Disaster History Insights
- FAQ's and Checklists





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wildfire.



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Ternado.





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**Risk Indicators** 

# Goal:

Communicate the top natural disasters relevant to the area

- Earthquake ٠
- Tornado •
- Flood
- Wildfire •
- Hurricane
- Winter Storm •

# Approach:

Incorporate FEMA National Risk Index to highlight relevant risks categorized as:

- Very High •
- **Relatively High** ٠
- **Relatively Moderate** ٠
- **Relatively Low**



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# **Strong Homes Rating Scale**

## Goal:

Identify and communicate the specific upgrades required for a home to meet current building code standards.

### Approach:

Highlight the areas needing improvement and the peril-specific suggested upgrades to close the gap between the home's current condition and the resilient features in the 2024 IRC.

- Code analysis
- Property data
- Permit data



Wildfire risk factor for this area: **Relatively Moderate** Click on the tabs above to understand other risks to your property. Next, explore home strengthening options below. Rekinformation provided by the <u>National Table Index</u> rest.





# **Suggested Upgrades**

# Goal:

Identify the specific upgrades required for a home to meet current building code and resilience standards.

# Approach:

Each suggested upgrade contains:

- 2D illustration
- Why it's important
- How to perform the mitigation
- How to identify if you have it
- Questions to ask a contractor

### Suggested Lipprodes

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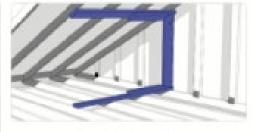
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# Additional Interaction - Sublicitations Statistics - Space and American

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# Help Us Share the Scale!

- Email info@flash.org
- Promotional Toolkit Includes:
  - Overview of Strong Homes Scale and Key Features
  - Social Media Copy
  - Branded Badges
  - Branded Logos
  - Branded GIFs for Social Posts (Facebook, IG, LinkedIn, and X)
  - Branded GIFs for Social Stories (Facebook, IG, LinkedIn, and X)
  - Peril-Specific Promotional Ads (Earthquake, Flood, Hurricane, Tornado, Wildfire, and Winter Storm)
  - Branded Peril-Specific Checklists (Earthquake, Flood, Hurricane, Tornado, Wildfire, and Winter Storm)







# **Strong Homes Scale Web Badges**

Display the **Strong Homes Scale** web badges on your websites, social profiles, newsletters, and more to show your support. Available in eight variations.





# **Strong Homes Scale Social GIFs and Profile Stories**







# **Strong Homes Scale – Promotional Ads**





# NATURE HAS A SCALE... SO DO WE

Visit StrongHomesScale.org

and get Your Strength Score Now.

The **Strong Homes Scale** helps you gauge your home's resilience to nature's extremes. Find out where your home stands—and how to make it stronger.

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# **Strong Homes Scale - Peril Checklists**











# WildfireStrong – Animation





# WildfireStrong – Digital Presence



Wildfire risk reduction doesn't stop at your property line. By cooperating with your neighbors to minimize ignition risks in your neighborhood, you can make the entire community Wildfire Strong.

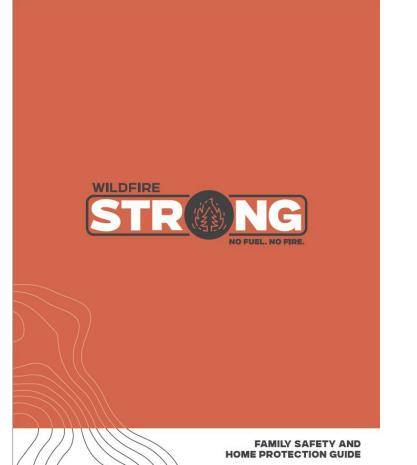
Get Your Preparedness Guide ightarrow

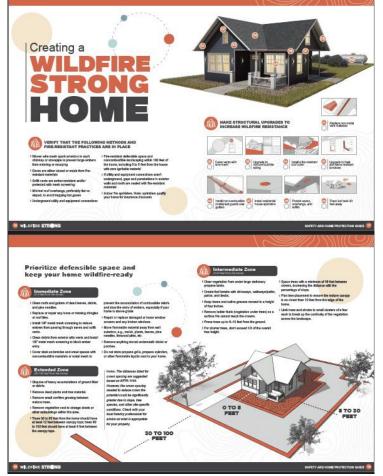
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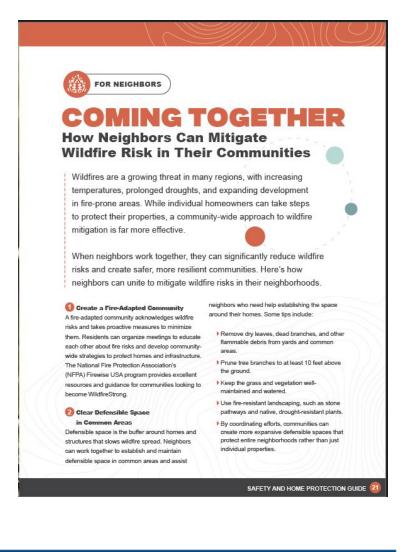




# WildfireStrong – Family Safety & Home Protection Guide

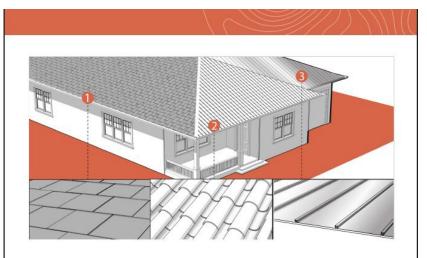






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# WildfireStrong – Checklists (8)



### Install a fire-resistant roof cover

Why

 Reduces potential for home ignition caused by embers and other burning debris landing on the roof.

How

WILDFIRE STRONG

ASTM E 108 Class A fireresistant roof coverings are the most wildfire resistant. They cover a range from noncombustible coverings like clay tiles, concrete tiles, and metal panels to combustible coverings like asphalt shingles and low-slope membranes. When reroofing, use a Class A fire-resistant roof covering. Class A also includes roof systems and roofing assemblies and the type of roof covering.

If not reroofing, inspect your existing roof to rule out vulnerable conditions such as barrel tile troofs without bird stops, as these conditions negate the Class A rating and effectiveness.

 Consult an experienced, licensed roofing contractor or qualified home inspector for assistance. How to Identify

Inspect the underside of the roof covering material to see if it is stamped with fire-resistant rating information. Identify your material type (shingle, tile, or metal), and contact your local building department to determine if the roofing permit contains fire-resistant rating details.





Why

### Protect eaves, overhangs, and soffits

How

Enclose overhangs with fire-Reduces ember ignition Use metal soffit vents with fine mesh screens of 1/8 inch or potential in the home's attic resistant soffits. Note that flat, or walls through the use of horizontal soffits are less likely to smaller. non-combustible materials entrap embers and hot gases than or by protecting an opening sloped soffits. Use non-combustible or firewith screening to block resistant materials for eaves, ember entry. Replace existing soffits that are fascia, and overhangs. not fire-resistant or protect existing soffits by covering them with Consult an experienced, licensed non-combustible or fire-resistant retrofit contractor for assistance. materials like fiber-cement boards. How to Identify Ensure metal vents are covered Check eaves, overhangs, and with fine mesh screens of 1/8 inch soffits to ensure they are made or smaller. with non-combustible materials.

WILDFIRE STRONG

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# WildfireStrong – Launch

- Website (NoFuelNoFire.org)
- Campaign Launch Event
  - o May 1
  - Location: Medford, OR Emergency Operations Center
  - Partners include: the City of Medford, the City of Jacksonville, the City of Ashland, the City of Applegate, the Oregon Fire Marshal Department, and the Oregon Department of Forestry
- Billboard & Mobile Campaign





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