

QUAKEUP!
Get Ready!
No tiemle. ¡Prepárese!!

Urban Wildfire Interface

PROTECTING YOUR HOME & FAMILY

FOR DOWNLOADS RELATED TO THIS PRESENTATION
[HTTPS://TINYURL.COM/URBAN-WILDFIRE-LINKS](https://tinyurl.com/urban-wildfire-links)

WWW.CEDARHILLSREADY.ORG | WWW.QUAKEUPNOW.ORG | FACEBOOK @CEDARHILLSREADY

1



Free Resources

For other links and downloads for this program:
<https://tinyurl.com/urban-wildfire-links>

"Get Prepared Now!" booklet:*
<https://tinyurl.com/chrgetreadybooklet>

Contact:
Info.CedarHillsReady@gmail.com


*Thank you to Barbara Bracken and the Tualatin Neighborhood Ready! Group for the original material for this booklet.

7/28/2021 WWW.CEDARHILLSREADY.ORG WWW.QUAKEUPNOW.ORG 2

3

What we will cover:


- Urban vs. Rural
- Basics of fire (structural and brush) vs. Wildfires
- READY, SET, GO! (*Individual property owners*)
 - READY – Preparing your home and landscape
 - SET – Planning what to do and where to go
 - GO – Putting your plan into action
- Firewise (*Community preparedness*)



8

Defining

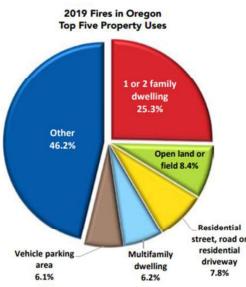
- Urban
 - Developed – density in built-out structures (homes, businesses, roads, etc.)
- Rural (Wildland Urban Interface or WUI)
 - Limited population (typically an area with less than 1,000 inhabitants)
 - Homes encroaching into natural areas



9

Defining

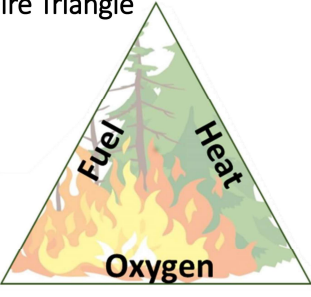
- Urban Fires
 - Structural – Most start indoors
 - Brush – Along roadsides
- Rural Fire
 - Wildfires – Heavy, dense, wooded areas
- Challenges:
 - Detection
 - Access
 - Resources (water)



10

All Fires Represented - Fire Triangle

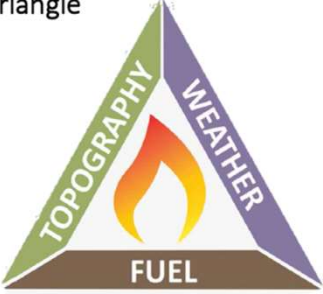
- Heat
 - Mechanical
 - Chemical
 - Thermal
- Fuel
 - Solid
 - Liquid
 - Gas
- Oxygen



11

The Wildfire Behavior Triangle

- Weather
 - Wind
 - Temperatures
 - Humidity
- Topography
 - Slope
- Fuel
 - Only thing we can control




The diagram is a triangle with a fire flame in the center. The left side is green and labeled 'TOPOGRAPHY', the right side is purple and labeled 'WEATHER', and the bottom side is brown and labeled 'FUEL'.

12

Complications of a Wildfire in WUI Area

- Wildfires create their own weather.
- Remote nature of the area creates challenges.
 - Access
 - Water supply
- Density of the fuels
- Presence of homes deeply seated in the area




A photograph showing a large wildfire at night with bright orange flames and a dense plume of dark smoke rising into the sky.

13

Challenges of a Brush Fire in an Urban Area

- Effects of wind (due to weather conditions)
 - The Alameda Fire flames were pushed from Ashland to Medford.
- Presence of homes NOT prepared – Who could have guessed it would travel along the highway into a well populated area like this.



An aerial photograph showing a residential area that has been almost completely destroyed by a wildfire, with only the foundations and some charred remains of buildings visible.

14

Urban Firefighting

Structural:

- Use water to cool the heat
- Circular saws to cut roofs (ventilating the hot gases)

Outdoor:

- Use water to cool nearby structures to prevent ignition
- Shovels and heavy equipment to create a fire breaks



16

What Can Urban Homeowners Do?



17

READY

- Defensible Landscaping Zones
- Hardening Your Home

READY
Creating Defensible Space

PREPARE FOR WILDFIRE

Ready! Take 30 minutes to help you be informed, aware, and prepared for the risks of wildfires. Wildfire can happen fast and want to protect with you to keep your loved ones, home, and property safe.

CREATE DEFENSIBLE SPACE
Wildfires can spread quickly and burn through the ground and foliage. Clearing, reducing, and removing fuels around your home can help protect your home and property.

- Remove dead plants, grass, weeds and leaves at least 10 feet from your home.
- Use mulch to reduce burning and protect plants, as well as to reduce soil erosion.
- Use fire-resistant plants.
- Use fire-resistant materials for roofs, decks, and fences.
- Use fire-resistant materials for fences.
- Use fire-resistant materials for fences.

HARDEN YOUR HOME
Wildfires can burn and spread quickly. To help you be informed, aware, and prepared for the risks of wildfires, take 30 minutes to help you be informed, aware, and prepared for the risks of wildfires.

- Use fire-resistant materials for roofs, decks, and fences.
- Use fire-resistant materials for fences.
- Use fire-resistant materials for fences.
- Use fire-resistant materials for fences.

SECURE YOUR HOME CAR OR SUV
Wildfires can burn and spread quickly. To help you be informed, aware, and prepared for the risks of wildfires, take 30 minutes to help you be informed, aware, and prepared for the risks of wildfires.

- Use fire-resistant materials for roofs, decks, and fences.
- Use fire-resistant materials for fences.
- Use fire-resistant materials for fences.
- Use fire-resistant materials for fences.

READY, SET, GO!
For more information, visit www.readyforwildfire.com or call 1-800-453-3333.

For more information, visit www.readyforwildfire.com

18

READY – Defensible Space

- **Creating defensible space zones**
- **Ready, Set, GO!**
 - Zone 1 – 0-30 feet
 - Zone 2 – 30-100 feet
- **Firewise**
 - Immediate Zone 0-5 feet
 - Intermediate Zone 5-30 feet
 - Extended Zone 30-100 feet



7/28/2021 WWW.CEDARHILLSREADY.ORG WWW.QUAKEUP.ORG 19

19

READY – Defensible Space – Zone 1

- **Up against the home**
 - 0-5 feet
- **Actions to take:**
 - Reduce combustibles
 - Trim tree limbs 10 feet from roof line.
 - Remove flammable plants or shrubs near windows.
 - Clear tree needles, bark, and other debris from the foundation and gutters.



7/28/2021 WWW.CEDARHILLSREADY.ORG WWW.QUAKEUP.ORG 21

21

READY – Defensible Space – Zone 2

- **Create separation for your home**
 - 5-30 feet
- **Actions to take:**
 - Use fire-resistant plants.
 - Clear leaves, needles, & other natural debris
 - Relocate wood piles.
 - Keep grass green and limit to 4 inches high.



7/28/2021 WWW.CEDARHILLSREADY.ORG WWW.QUAKEUP.ORG 22

22

READY – Defensible Space – Zone 3


- **Protect your extended property**
 - 30-100 feet (or more)
- **Importance of a healthy canopy**
 - Shading
 - Improves moisture
- **Actions to take:**
 - Clear ladder fuels a minimum of 6 feet from the ground
 - Thin ground materials.



7/28/2021 WWW.CEDARHILLSREADY.ORG WWW.QUAKEUP.ORG 23

23

What Fuel Reduction Looks Like




7/28/2021 WWW.CEDARHILLSREADY.ORG WWW.QUAKEUP.ORG 24

24

Hardening Your Home (0-5 ft.)

- **Actions to take:**
 - Roofing
 - Clean regularly.
 - Gutters - metal (vs. vinyl)
 - Clean debris from gutters.

If you are preparing to replace, consider non-combustible products.




7/28/2021 WWW.CEDARHILLSREADY.ORG WWW.QUAKEUP.ORG 27

27

Hardening Your Home (0-5 ft.)

- **Actions to take:**
 - Exterior Walls
 - Use non-combustible siding at least 6 inches from ground




28

Hardening Your Home (0-5 ft.)

- **Actions to take:**
 - Vents, eaves, and soffits
 - Place 1/8th inch wire mesh screens over openings.


Fire embers cause 60% of the fires that spread. Hardening your home helps stop the embers!



29

Hardening Your Home


- **Patio furniture**
 - Metal vs. plastic
 - Padding that can easily detach and be relocated inside



30

Hardening Your Home

- Fences
 - Replace with non-combustible or ignition-resistant materials.
 - Clear combustible materials from around fence posts and bottom of fences.



31

Hardening Your Home


- Decks
 - Screen in the underside to block embers from blowing under.
 - Options include solid materials to block or 1/8" metal mesh screen material.
 - Or clear all combustible material and cover ground with rock or mineral soil.



32

Example:

- Eliminate items that will burn at your foundation.



33

Address Markers

Signage:

- Address placed at driveway entrance *(with directional marker if necessary)*
- Address sign is visible from both directions of traffic and at night.



34

Examples – Hardening Your Home

- Overhanging limbs trimmed up vertically to 13'6" minimum
- Maintain established road widths and turnouts, keeping the brush cleared.



7/28/2021 WWW.CEDARHILLSREADY.ORG WWW.QUAKEUP.ORG 35

35

SET – Create an Action Plan

- Create an evacuation plan.
- Create a communication plan.
- Make a preparation checklist based off your home & needs.
- Create an emergency supply kit for each person (and pet).



36

Create an Evacuation Plan

- Designate an emergency meeting place (outside of the fire or hazard area).
- Identify several escape routes. Print maps.
- Plan for your pets and large animals (such as horses and other livestock).



37

Create a Communication Plan

- Designate an out-of-area friend or relative.
- Serves as a single resource in the event of separation of family members.
- Create a group text.
- Consider that cell towers may be affected by the fire.



38

Preparation Checklist

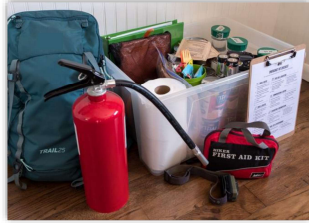
- Sign up for Public Alerts.
- Get a portable radio or scanner.
- Know where your main shut-off controls are located.
- Assemble emergency supply kits for each person (and pets).
- Keep an extra kit in your car (Include a first aid kit and fire extinguisher).



39

Make an Emergency Supply Kit

- People and pets (Food & clothing)
- Papers, phone numbers & important documents
- Prescriptions, eyeglasses, etc.
- Pictures & irreplaceable memorabilia
- Personal computer hard drive or thumb drives with critical info
- "Plastic" (credit cards, ATM cards) and cash



40

GO

- Familiarize yourself with the evacuation levels used in our State during wildfires.

When the time comes, knowing and being familiar with the levels can alleviate the some of the stress and confusion in the situation.



41

Level I – "Be Ready"

- Pre-evacuation preparedness
 - Relocate flammable items from outside.
 - Turn off propane tanks.
 - Move BBQ or other appliances away from home.
 - Connect hoses to water source.
 - Open lines of communication with group text
 - Consider relocating large animals



42

Level II – "Be Set"

• Final Preparation

- Ensure you have each person's evacuation kit.
- Pull any remaining combustibles inside or away from the home.
- Relocate large animals, if not already done.
- Listen to local media sources for affected areas and impacts to your routes.
- You do not have to wait for the "Leave" order (Level III).



43

Level III – "Go Now"

• Leave – Do NOT hesitate

- Wear long pants, long-sleeved shirt and sturdy shoes.
- Close up the house. (Shut all windows and doors.)
- Listen to local media sources for affected areas and impacts to your routes.
- Leave the exterior house light(s) on for fire crews to easily locate your home.



(Don't let this be you... unprepared and unsure)

44

Individual homes vs. Community



vs.

FIREWISE USA
RESIDENTS REDUCING WILDFIRE RISKS

7/28/2021

WWW.CEDARHILLSREADY.ORG

WWW.QUAKEUP.ORG

45

45

Individual homes vs. Community

- Ready, Set, Go! provides action-oriented tasks for individual homes and properties.
 - Every homeowner can be prepared.
- Firewise is community based & nationally recognized.
 - Fuel mitigation activity-focused
 - Assessment of homes & community
 - Access to education and resources



7/28/2021 WWW.CEDARHILLSREADY.ORG WWW.QUAKEUP.ORG 46

46

Firewise USA

- It is a community-led initiative:
 - Positive collaboration and action before a fire
 - Encourages participation in fire planning
 - Enhances prevention, response, and recovery from a fire
 - Access to grant funds for your wildfire safety projects.



Pictured:
Sherry Palmer
Skyline Ridge Neighborhood, West Linn (2020)

47

Resources

Contact Us:
Education@tvfr.com
 503-259-1502
www.tvfr.com/wildfire





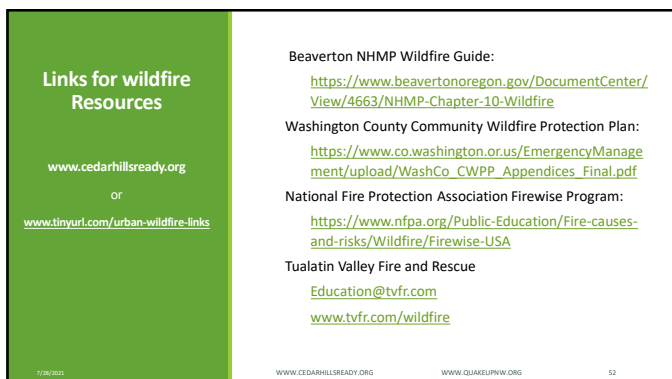
48



50



51



52
