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CLIMATE
SUMMIT
SUN VALLEY 26
PRESENTED BY TORUS

FRONTLINE®
WILDFIRE DEFENSE

THE CHANGING WILDFIRE THREAT TO MOUNTAIN COMMUNITIES

2026

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Validated. Scaling.

Frontline is rapidly becoming a foundational layer in wildfire resilience.

- Named a TIME Best Invention of 2025
- Industry Awarded “Best Home Technology” IBS & “Most Innovative Housing Concept” PCBC 2025
- Featured as a fastest-growing company in the Pacific by Inc. Regionals 2026
- Over $5 billion in real estate protected
- Approaching a decade of active defense
- Now covering 12 Western States







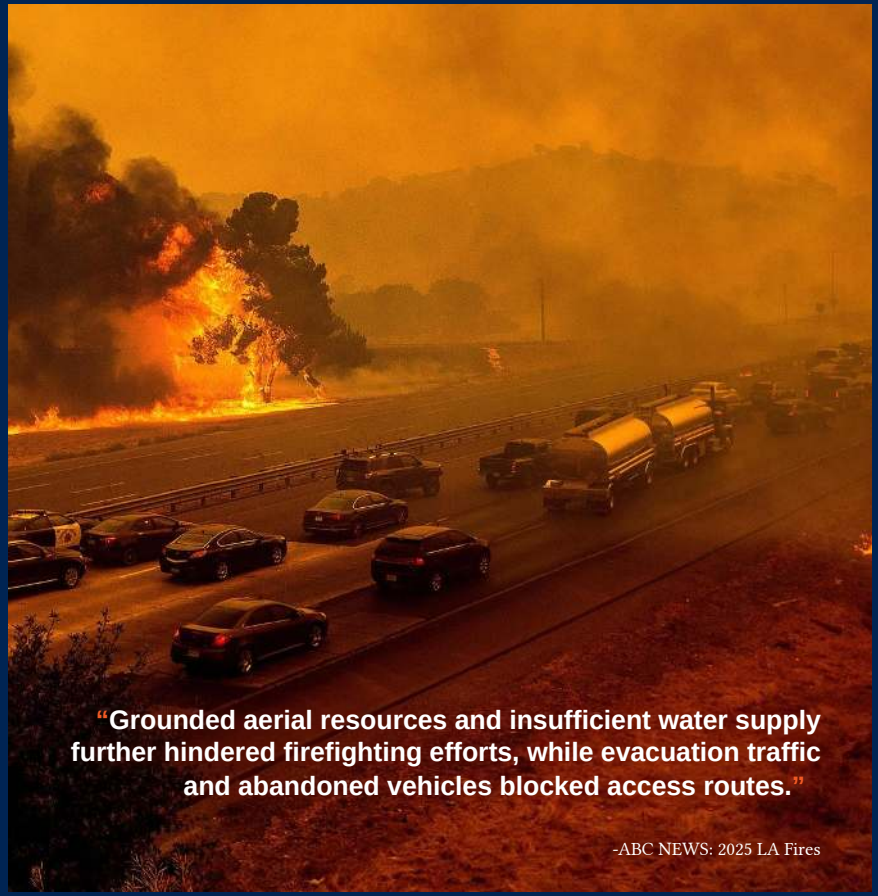


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Mountain Communities Face a Growing Wildfire Challenge.



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We're Facing an Ember Storm, Not a Fire Front.

Extreme winds turn one fire front into an ember storm.

- Embers are a major mechanism of wildfire propagation (FSRI)
- Winds carry embers up to 24 miles; one ignition can threaten hundreds of square miles
- Hundreds or thousands of properties exposed at roughly the same time

Not one advancing wall of flame. Many simultaneous ignitions.



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Beyond Zone Zero:

The Community Becomes The Fuel.

Wildfire fuel around a home is much more than vegetation.
The built environment is filled with combustible material that traditional wildfire mitigation does not fully account for.

Transient fuels come and go:
Cars. Boats. Patio furniture. Packages. Door mats. Toys. Lumber. Trash bins.

Persistent fuels stay in place:
Decks. Hot tubs. Fences. Sheds. Batteries. Propane. Outdoor equipment.

When residents evacuate, the fuel stays behind.



A typical city lot, built to a 5 ft setback. Everything orange can burn: about a quarter of the yard is fuel that is not the house.

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One mountain home, June 2026

One Mountain Home, Outlined.

Everything that can burn within 30 ft

11	outlines within 30 ft of the wall: six that are not plants, four tree groups, one rock pile.
~5 of 11	on the ground inside the first five feet: two patio sets, the deck and its furniture. Canopy hangs over it on three sides.
2	vehicles in Zone 1: one under conifers at 20 ft, one at the street at about 25 ft.



1 Patio set and umbrella · at the wall
2 Cushioned furniture · on the deck
3 Wood deck · attached
4 Patio table and chairs · 3 ft
5 Vehicle under conifers · 20 ft
6 Vehicle at the street · about 25 ft
7 Spruce row · 35 to 45 ft
8 Aspens, north · trunks at the wall
9 Aspens, west · trunks 8 to 20 ft
10 Aspens and conifers, east · trunks 5 to 25 ft
11 Boulders · non-combustible

Imagery: Nearmap, June 16, 2026, oblique. Wall line, 5 ft and 30 ft rings, outlines and ground distances by Frontline.

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THE SHORT VERSION

The heat is bigger than the rating for many common fuels

kW/m² is fire heat per square meter: wood smolders near **7.5**, standard glass fails near **20**, best tempered panes near **45 kW/m²**.

FUEL	DISTANCE	HEAT ON THE HOUSE (kW/m²)	WHAT FACES IT IS RATED FOR (kW/m²)	OUTCOME
Home battery wall-mounted storage, hottest and closest	on the wall	**40–120** measured flame contact	**7.5** the wood behind the siding; the wall assembly itself has no rating	OVERWHELMED 5×+
Electric vehicle parked, full burn	5 ft	**58** measured range 32–87	**45** best-case garage window: two tempered panes	OVERWHELMED 1.3×
Gas car same parking spot	5 ft	**31** range 20–42	**20** standard garage window glass	OVERWHELMED 1.5×
Patio chair, cushioned one chair, tested at 2 MW	3 ft	**40** from the measured burn	**20** standard window glass	OVERWHELMED 2×
Hot tub the cover + cabinet burn, not the shell	3 ft	**20** assuming 50% patio chair*	**7.5** wood siding starts to smolder	OVERWHELMED 2.7×

THE PATTERN **At commonly found distances, these fuels can put more heat on the house than anything facing them is rated to take. The hottest one is bolted to the wall.**

**The one row without a published fire test. Basis on the last slide. All numbers assume no wind and are a conservative floor.*

Wildfire Has Changed & the Defense Has to Change with it.

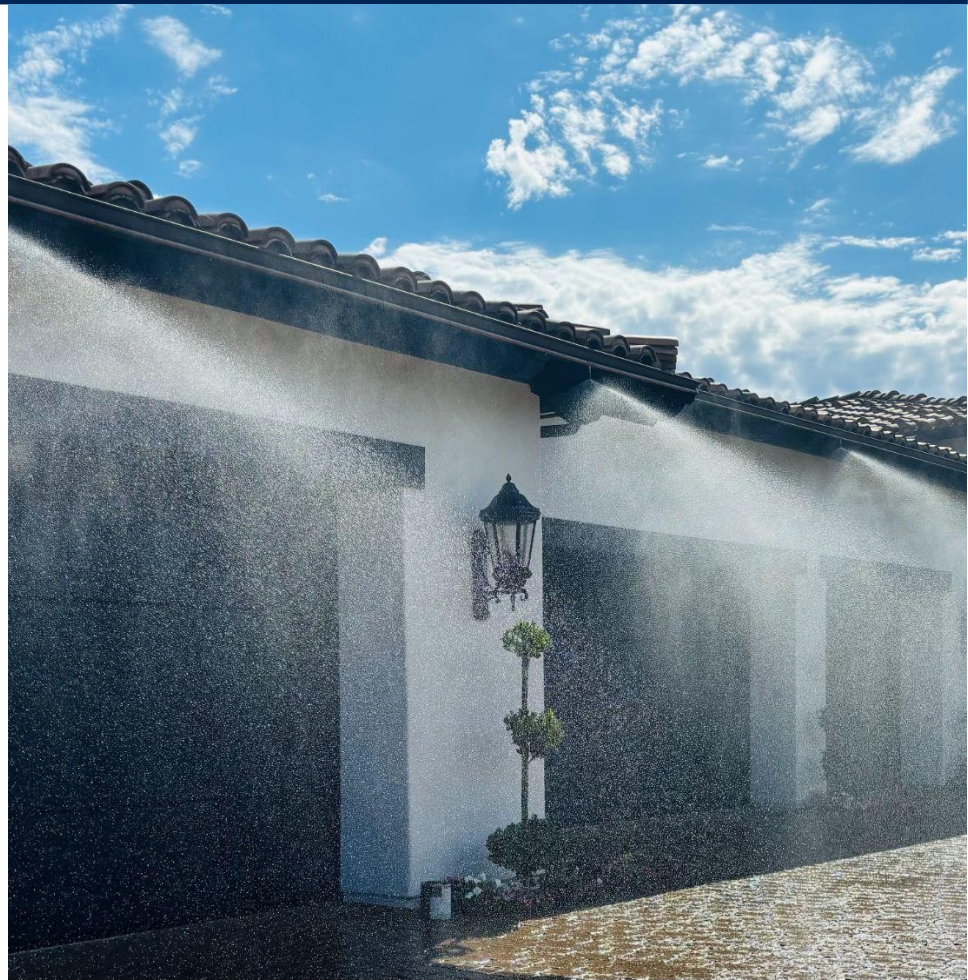


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The Next Layer is Active Defense.

Introducing Frontline Wildfire Defense

- Passive mitigation reduces vulnerability before a fire.
- Active defense responds as fire happens.
- Frontline is an autonomous system that detects and deploys in real time.



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Defense for the Modern Wildfire Era.

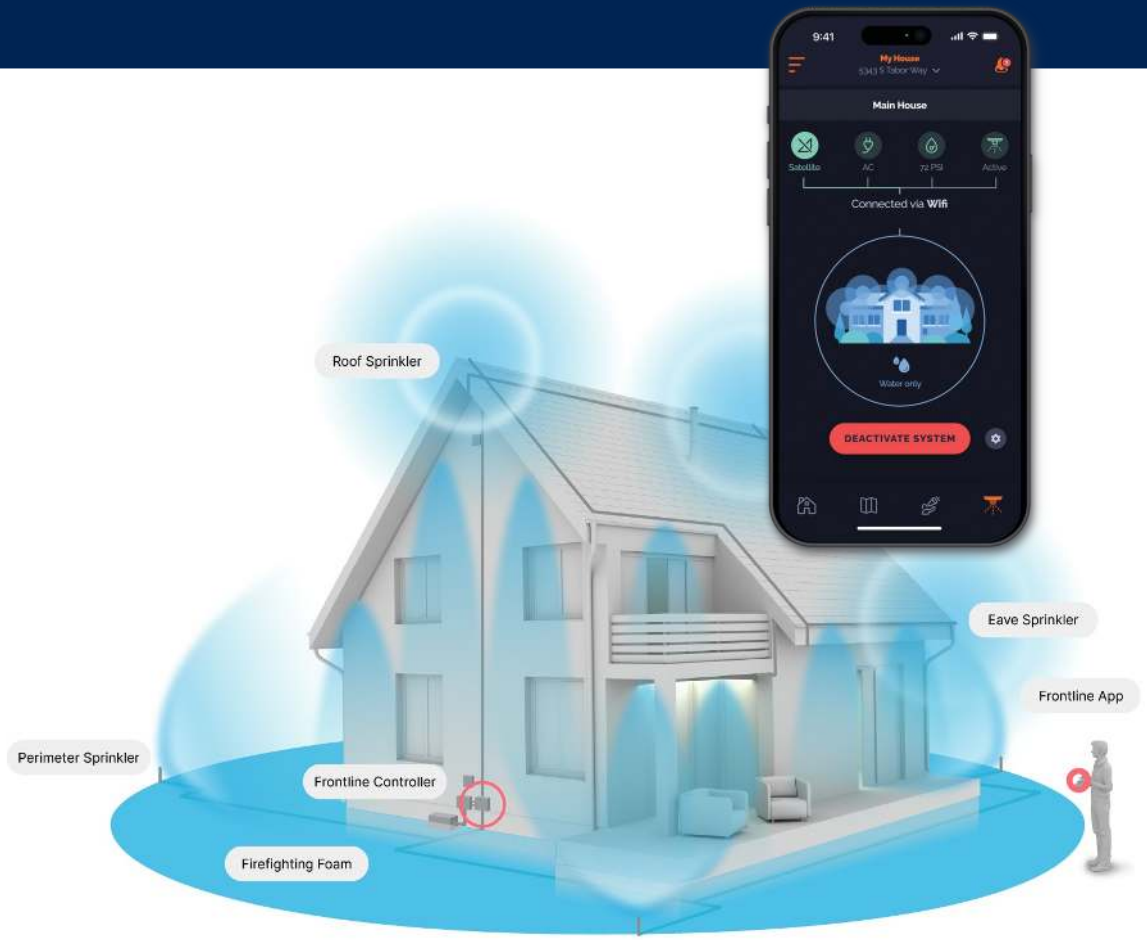
Built for Real Wildfire Conditions

- Remote activation
- Battery backup + solar compatibility
- WiFi, cellular, and satellite connectivity
- Backup water sources supported

Purpose-Built for Prevention

- Precision exterior sprinklers
- Intelligent zone cycling
- Biodegradable firefighting foam

The goal is simple: Keep the structure and its surroundings too wet to ignite.



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It All Starts with Real-Time Wildfire Intelligence.

Frontline's system is powered by proprietary wildfire intelligence that aggregates data from multiple real-time sources, including satellite imagery, weather data, radar, cameras, and fire intelligence feeds.

This layered intelligence network enables proactive system activation ahead of wildfire exposure.



Frontline Data Source: VIIRS Satellite (NOAA/NASA)

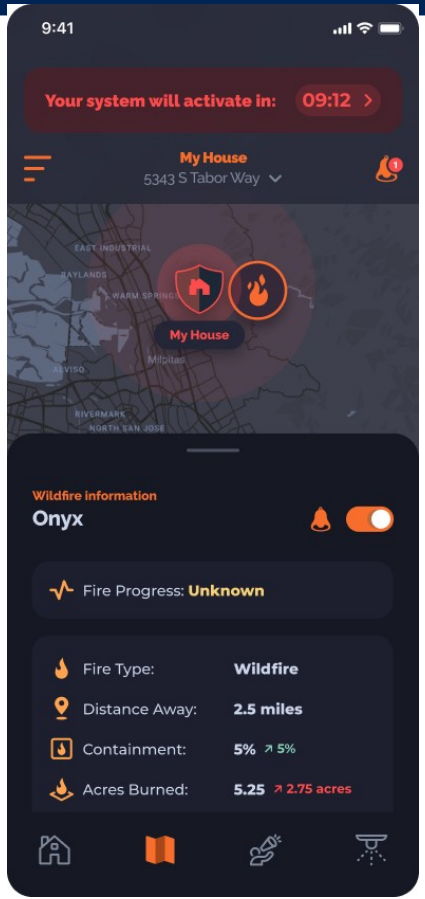
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Autonomous Defense

The first software-driven platform to integrate real-time monitoring with remote and automatic activation.

- Our technology provides 24/7 monitoring
- Proactively alerts you when a fire is in the area
- Sends a notification and automatically runs the system when needed
- Makes it possible to monitor and trigger your defenses from anywhere in the world





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Precision Over Volume.

Autonomously turns on & off using only the water it needs

Zone 0

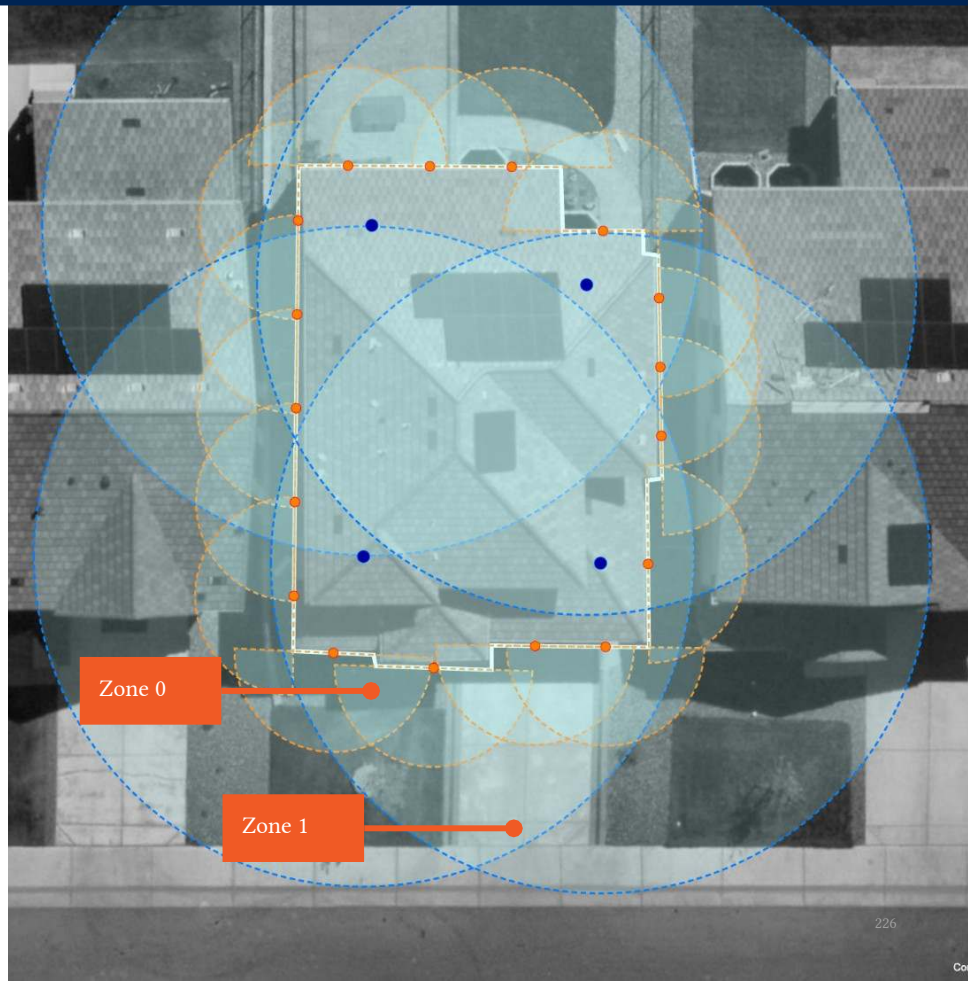
- Eave Sprayers
- 100% overlap
- Manage moisture content in recipient fuels

Zone 1

- Roof Rotors
- 60%-70% overlap
- Manage moisture content in recipient fuels

Hits non-attached combustibles up to 30ft Beyond the structure
Minimizes wind impact

Class A Foam acts as a surfactant, breaking the surface tension of the water making the surface wetter, allowing the water to soak more deeply into the combustibles, thereby using less water overall.



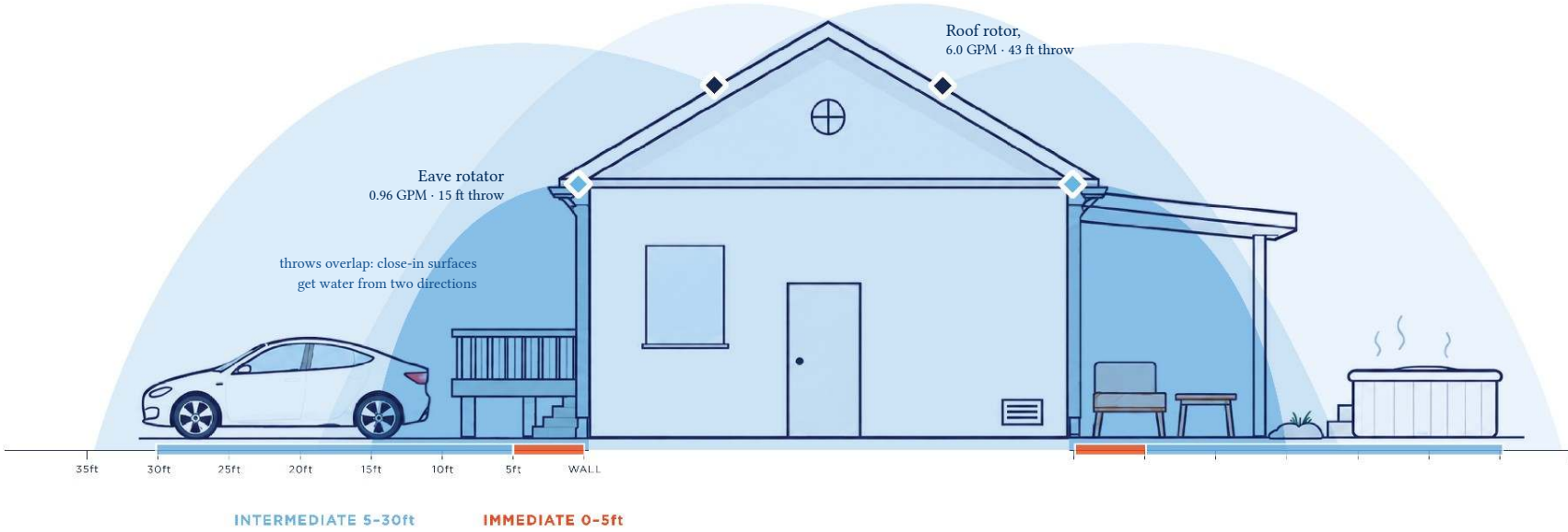
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HOW · SYSTEM ANATOMY

Ember ignition collapses as fuel moisture rises

Eave rotators mount under the eave and arc down over the H0Z band and inner H1Z. Z

Roof rotors mount on the roof slopes, wet the roof itself, and throw to the outer H1Z. Their arcs overlap across the apron.



Section view to scale: 43 ft and 15 ft throws at 45 PSI. Attached patios and decks get dedicated heads under the eave line.

Los Angeles 2025:

Triumph Over Wildfire.



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~~Tested~~
Proven by Fire.

- Properties experienced variable degrees of exposure: direct flame, ember, and radiant heat
- **59 of 61** properties survived completely or with minimal damage
- **96% survival rate** during one of the most destructive wildfire events in California history
- Average Water Usage: **Less than 10 GPM Avg** on Most Systems in Palisades Fire

The Best Fire is the One That Never Starts.



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61 Frontline systems were activated at properties with direct, indirect (ember), and/or radiant exposure



- Palisades - 41 Systems
- Sunset - 6 Systems
- Kenneth - 6 Systems
- Hughes - 4 Systems
- Eaton - 3 Systems
- Hurst - 1 Systems

LA Case Study: Home 1

Precision Hydration.

- **Location:** Palisades Fire
- **Water usage:** 6.19 Average GPM, cycled only 20 min/hr.
- **Results:** Every surrounding structure was lost but the home remained standing.

Takeaway: Protection through precision, not massive water consumption.



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LA Case Study: Home 2

An Environment Too Wet to Burn.

- **Location:** Palisades Fire
- **Water usage:** 9.18 Average GPM
- **Results:** Fire entered the property but was stopped at the perimeter. The system maintained hydration in extreme winds, protecting the structure, exterior stairs, and surrounding landscaping.

Takeaway: Wet surfaces resisted ignition.



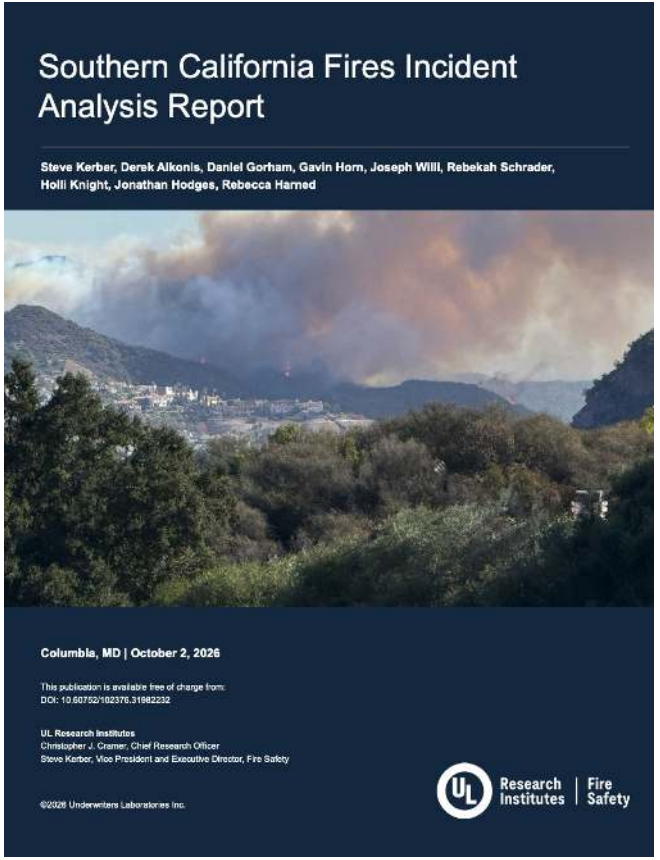
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ADT
A Frontline
protected home.

FSRI's Southern California Fires Incident Analysis Report

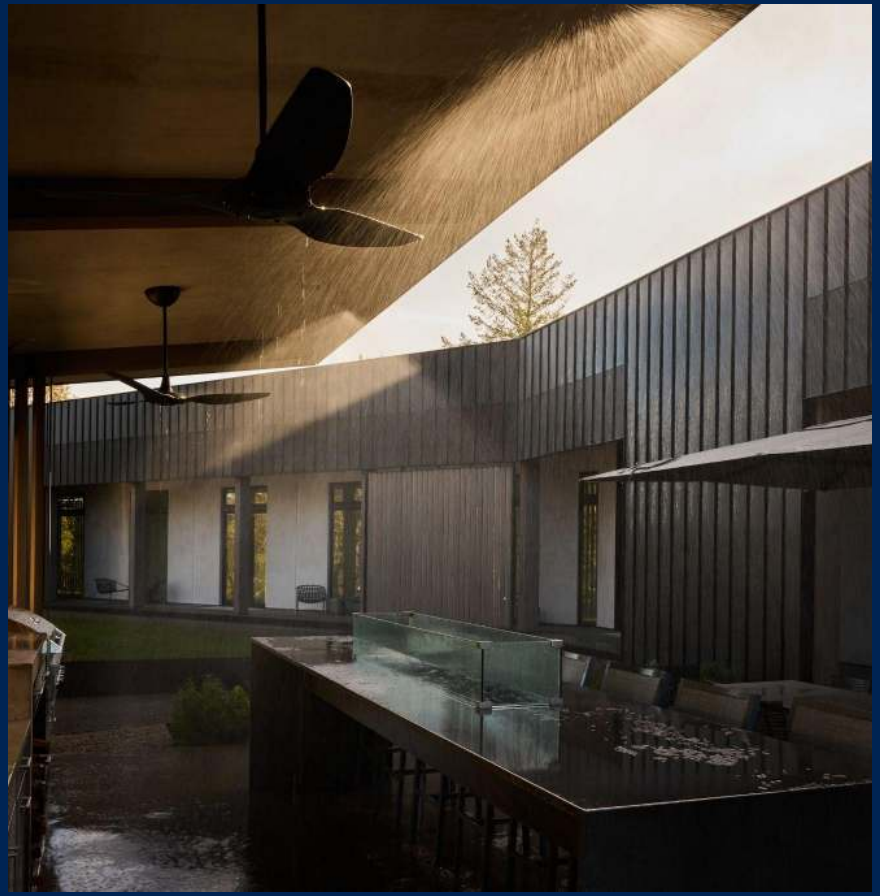
Published October 2026 by UL Research Institutes' Fire Safety Research Institute

- **Embers can ignite homes before the flame front arrives,** either directly or by starting fires in nearby combustible materials. (pp. 379–380)
- **The fuels around a home extend beyond vegetation.** [Detached Combustibles] can ignite and spread fire to structures and neighboring properties. (pp. 392–393, 568)
- **Preparation helps firefighters focus on suppression.** Moving combustible belongings away before a fire reduces exposure and frees responders from doing that work during the emergency. (p. 512)
- **Active protection helped limit damage.** Installed water systems provided protection in documented cases, and some fixed systems can intervene after residents evacuate. (pp. 564–567)



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Mountain Towns Can Coexist with Wildfire.



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Frontline Enables the Insurance Market.

Assets cannot be protected so insurers are leaving. Frontline is bringing them back.

- Stand Insurance and Frontline first step
- Expanding offering out of CA and with other insurers
- PPC in Canada includes external sprinklers



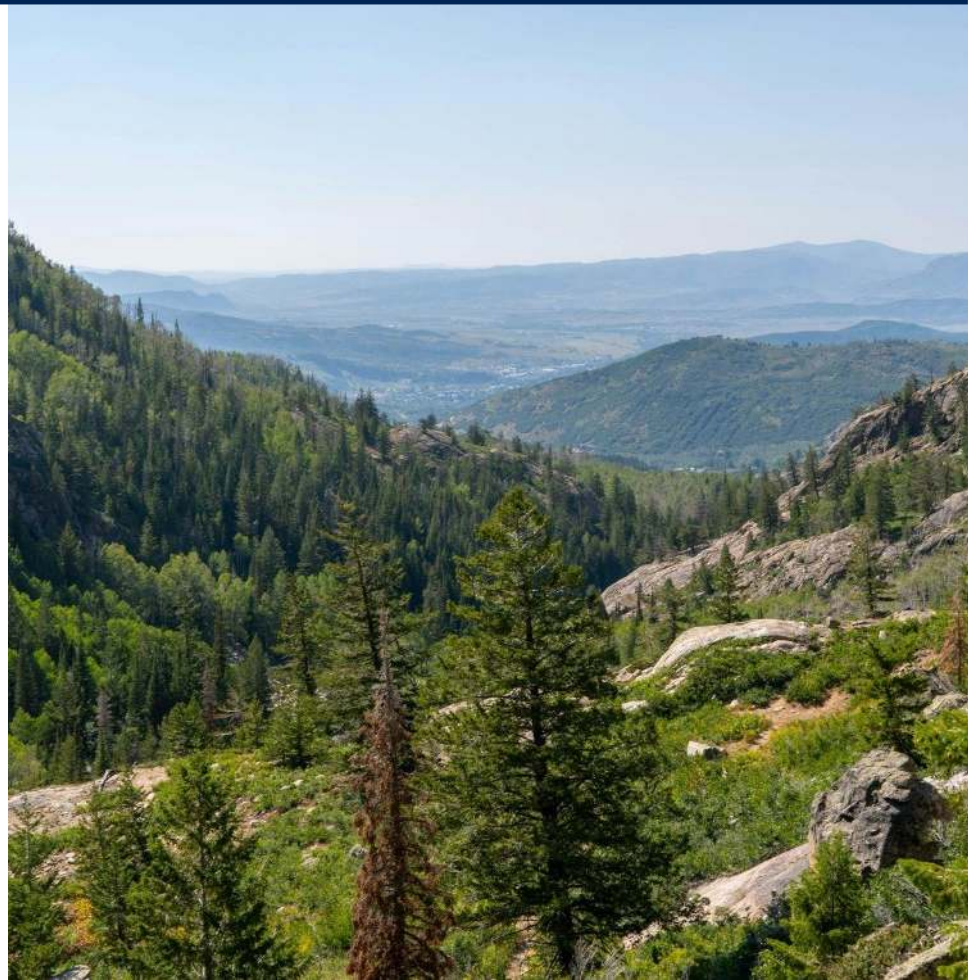
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Mountain Towns Can Coexist with Wildfire.

The future of wildfire resilience is not just fighting more fire. It's preventing more structures from igniting.

By combining real-time wildfire intelligence with intelligent, water-smart active defense, we can stop ignition before it starts and break the chain of structure-to-structure fire spread.

We are moving from reaction to readiness, ensuring wildfire resilience is built into everyday life so people can live in the places they love.



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Thank You.

FRONTLINE®
WILDFIRE DEFENSE