

Oregon Hazards Lab: A Statewide Program for Societal Resilience

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Chief Mike Hussey, Fire District 3, Jackson County, Oregon



OHAZ Mission Statement

OHAZ uses science, technology, and community engagement to understand, detect, and mitigate multi-hazards within the Pacific Northwest.

ShakeAlert™



Seismic Site TRIPT
Jordan, Oregon

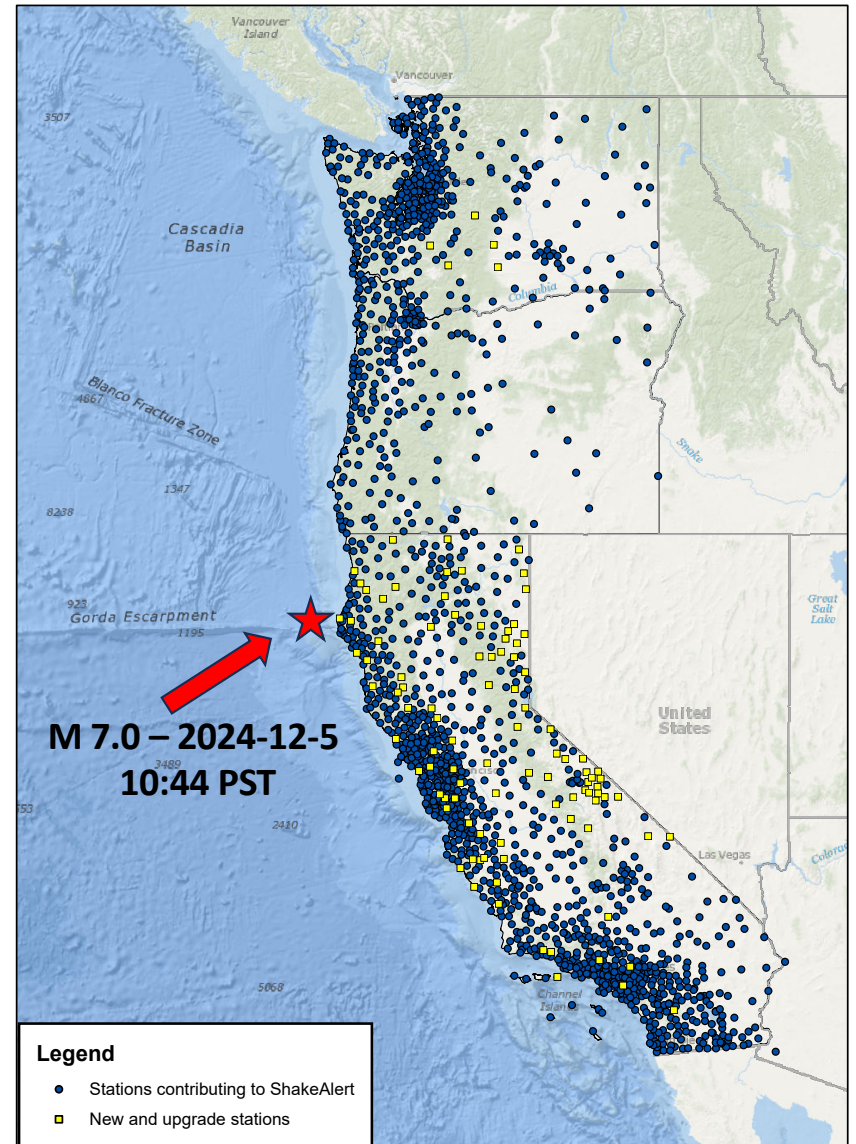
ShakeAlert™

Earthquake Early Warning System

California – Oregon – Washington

Vision: to reduce the impact of earthquakes and save lives and property in the United States by developing and operating a public earthquake early warning capability for high-risk regions.

A well-coordinated coalition of federal, state, and university partners in Oregon, Washington, and California



Medford 549c School District



Did you know our schools were notified of the earthquake almost a minute before phones went off? That's because of our investment in the shake alert system and a powerful reminder that every second matters during a serious earthquake. 🕒

Our schools executed their response flawlessly, proving the value of our safety drills.

As the first K-12 school district in the state to adopt Shake Alert—and one of the only in our region—we're feeling grateful and proud of this critical step in keeping our students and staff safe. ❤️

#SafetyFirst #ShakeAlert

I witnessed this first hand. I was visiting Kennedy Elementary when they got the alert first and then all cellphones went off. I was impressed with that and how quickly staff and students went into action. I didn't know our schools had that! Thank you for doing whatever you can to keep our children and staff safe.





Because seconds matter.

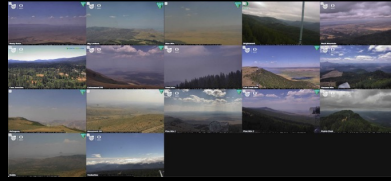
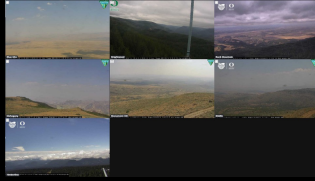
Providence Medford Medical Center



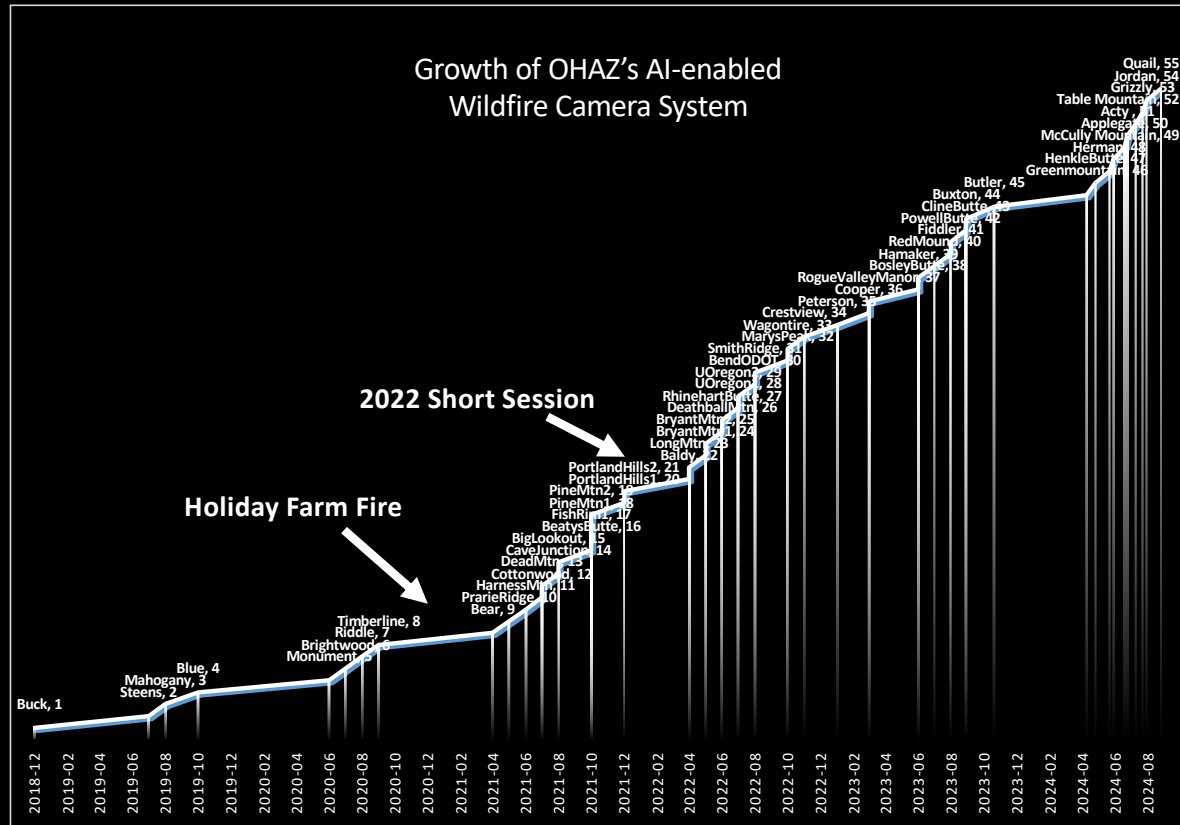
"Our automated overhead paging system worked perfectly. We had the overhead page 5-10 seconds before anyone's phone apps started talking...Super stoked that it everything went off without a hitch. It also allowed us to get the command team together, communicate with city and county partners and send out mass messaging to our caregivers that we were aware of the situation, and what actions we were taking, including follow up and close out notifications."

Patrick Rochon, Providence Medford Medical Center





Growth of OHAZ's AI-enabled Wildfire Camera System



2024: Grow to 60 cameras

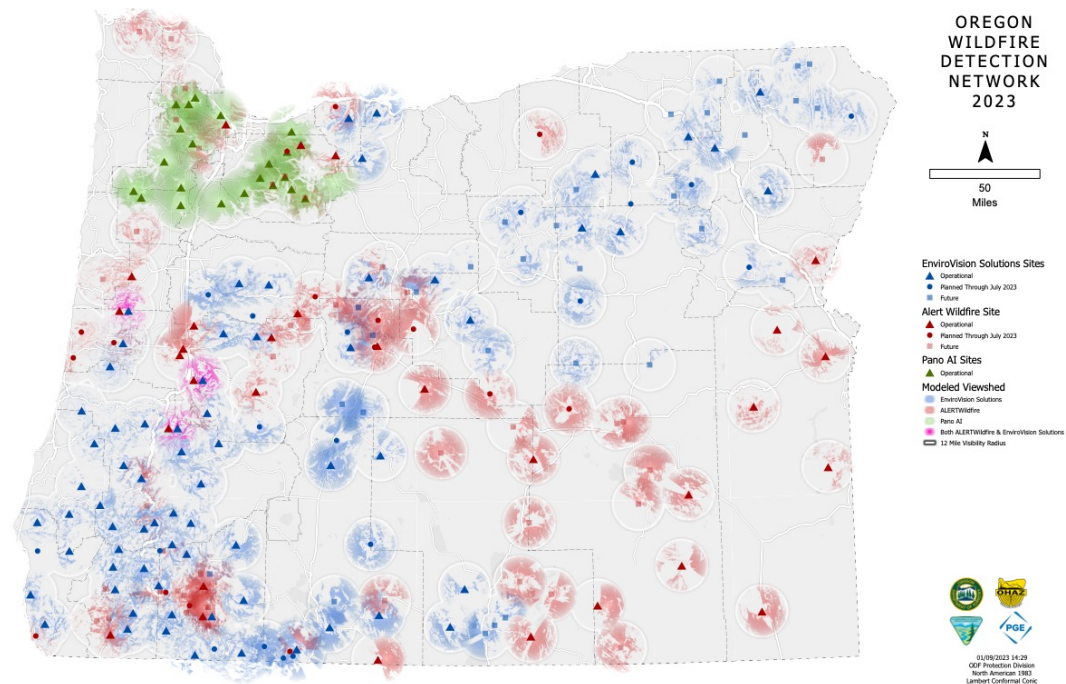
2025 Target: 75 cameras

2018 There was 1 public fire detection camera in Oregon



Well Coordinated Effort

- OHAZ facilitates a **multi-jurisdictional coordination** of communities in Oregon
- Oregon is the only state in the nation with such a committee
- ID and WA participate and plan to form their own
- Influencing regional policy on one of the most vexing problems of our time



Oregon Wildfire Detection Camera Interoperability Committee
Co-chaired by OHAZ and Oregon Department of Forestry

Committee composition: Governor's Office, Public Safety Agencies, ODF, Fire Agencies, Emergency Managers, United States Forest Service, Bureau of Land Management, Statewide Interoperability Coordinator, Oregon Hazards Lab @ University of Oregon, Tribal Representation

Sydney Whiting

- UO Class 2024, Earth Sciences and Data Sciences
- Former Undergraduate Employee
- Current OHAZ Field Technician
- OHAZ provides valuable hands-on and experiential learning opportunities
- Confident in my skills and knowledge of the technical aspects of this program
- Able to travel around Oregon while working to increase societal resilience in the face of natural hazards
- Grateful to be a part of something larger than myself, and see the impacts of this work within my own lifetime





FIRE DISTRICT 3

Jackson County, OR

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Burn Permits



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Wildfire Preparedness



Community Connect



Administration



Response



Risk Reduction



Training