ShakeAlert and AlertWildfire: Improving Statewide Resilience

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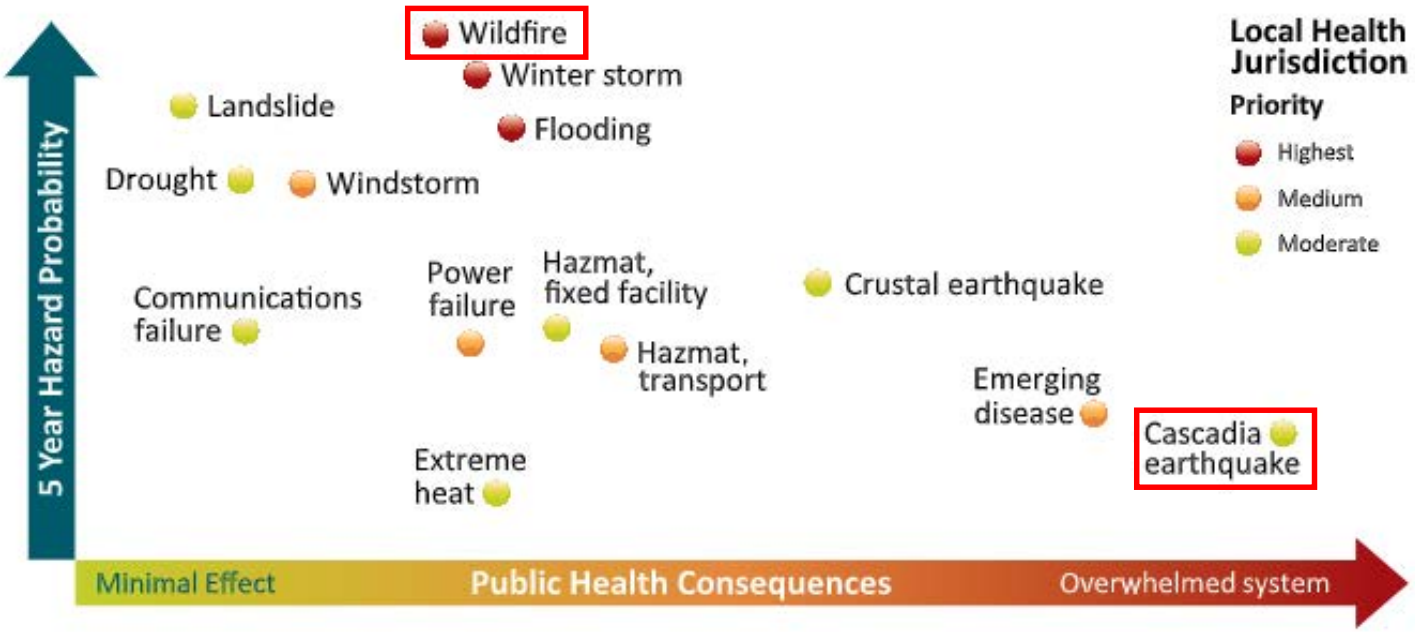
The Really Big One

Earthquake & Tsunami, Japan

The Really Frequent Ones

Eagle Creek Wildfire, Cascades Locks, OR

Figure 1 Oregon's Public Health Hazard Vulnerability Assessment (PH-HVA)



OHA 8584 (08/2013)

What will Capital Investment Achieve?

- Install ALERTWildfire cameras in Oregon
- Build a more robust, data communications network for ShakeAlert and ALERTWildfire
- Complete ShakeAlert in Oregon by 2023, thereby allowing public alerting
- Catalyze public-private partnerships

Leaburg Canal, Lane Co.

www.alertwildfire.org

AlertWildfire: What can it do?

2018 Holy Fire, Santiago Peak, Orange S. Cal.
Helping to protect communications infrastructure

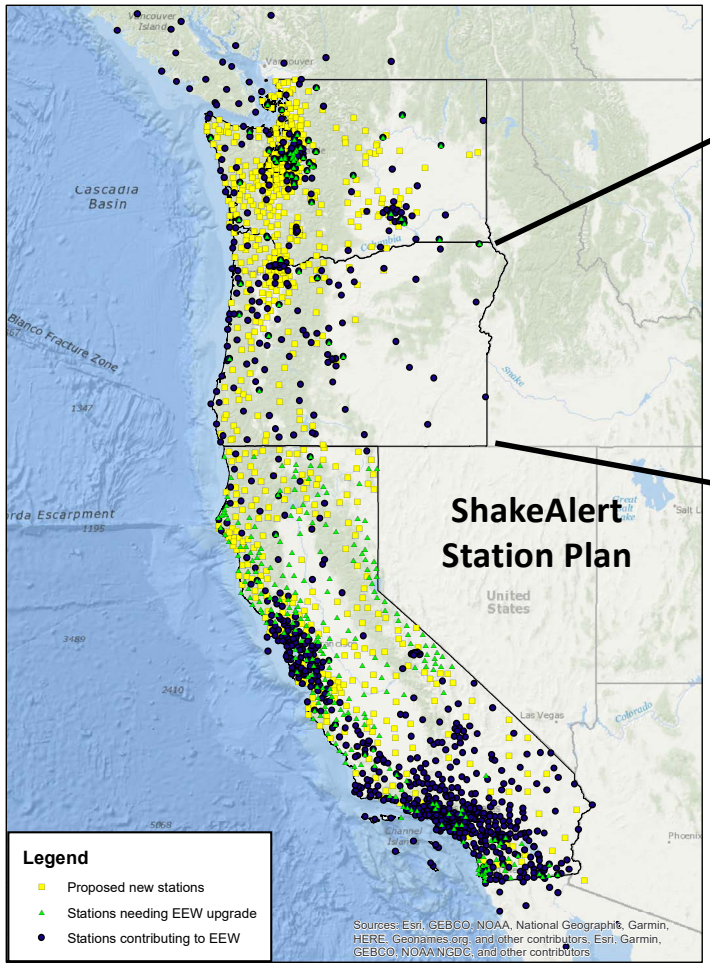
UC San Diego

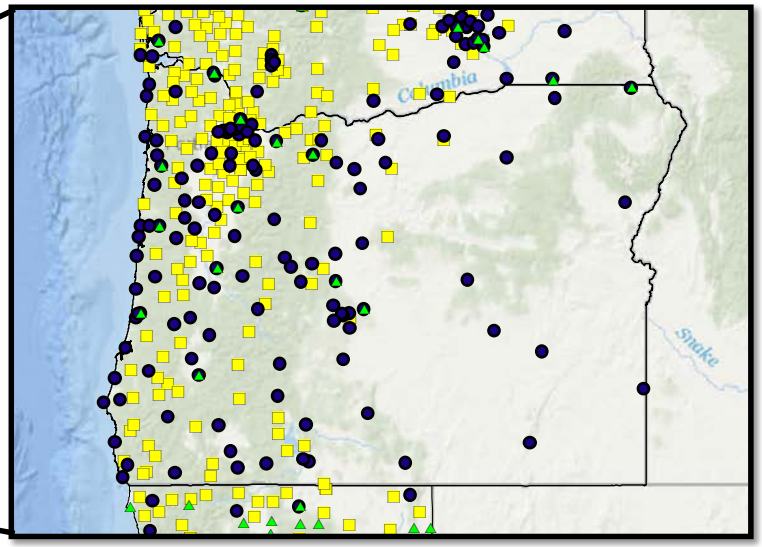
UNIVERSITY OF OREGON

Benefits of linking ALERTWildfire and ShakeAlert programs

- **Hardens** data communications of **ShakeAlert**, improving state resiliency
- Wireless, IP-based high-speed backbone **supports a multi-hazards system**; not a one-off alerting/detection system
- **Leverages funding sources** that can amplify state investment
- Pulls together technical and human resources within the state to improve coordination and response.

Blue Mountain, Malheur Co.





- 1,675 stations planned in CA/OR/WA
- ~865 currently contributing
- Past priority on metro areas (CA)
- Public alerting in Oregon depends on completing buildout of sensors