

California Earthquake Early Warning Advisory Board Meeting



Roll Call

- Secretary of Natural Resources Agency
- Secretary of California Health and Human Services
- Secretary of Transportation
- Secretary of Business, Consumer Services, and Housing
- Speaker of the Assembly Appointee representing the Interests of Private Businesses.
- Governor's Appointee representing the Utilities Industry
- Senate Committee on Rules Appointee representing County Government
- Chancellor of the California State University
- President of the University of California



Opening Comments

Review of Minutes May 10, 2023

Recent Events



Almanor Earthquake M5.5 May 11, 2023

 3,938 MyShake devices alerted, and approximately 100,000 android users alerted.

 Over 9,000 MyShake App downloads.

- Notable Aftershocks:
- -M5.2





Ojai Earthquake M5.1 August 20, 2023

- 194,168 MyShake devices alerted, and approximately 5.6 million android users alerted.
- Over 43,000 MyShake App downloads.
- Notable Aftershocks:
 - 3 M3.9





Isleton M4.2 October 18, 2023

- 389,394 MyShake devices alerted, and approximately 1.3 million android users alerted.
- Over 19,000 MyShake App downloads over a three-day period, following event.





USGS Presentation Placeholder





Discussion

Tell us about your experience(s) with these recent earthquake events:

- Did you receive an alert?
- What reactions/discussions occurred as a result of these events?



Sector-Based Implementation



Regatta Seaside Presentation Placeholder





Discussion

What challenges do you foresee in implementing EEW in your sector and how can we overcome the current restrictions (i.e., building codes) with installation of certain EEW features?

How can we address policy that will allow for full implementation of the system?





Discussion

What are some of the unique risks/situations associated with your sector that must be considered when implementing EEW?



Research and Development



UCB Presentation Placeholder





Discussion

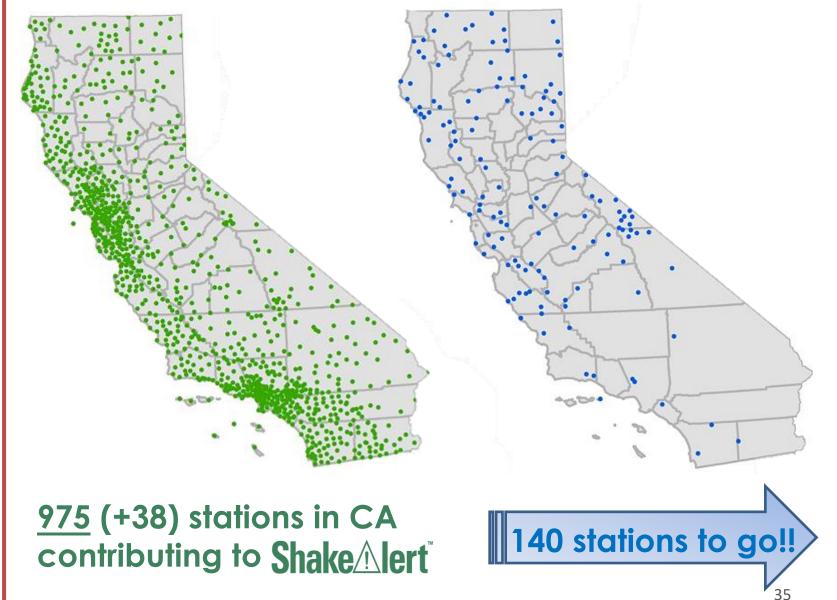
How could agencies within your sector benefit from this new technology?



System Operations Update



CEEWS Network Goal of 1,115 Stations November 2023 Status









CEEWS System Operations Overview 2016-2023











Sensor Build Out Status

- Completed 691 new and updated EEW/real-time stations, bringing the total contributing to EEW to 975.
- Connected 113 EEW stations to the existing State Microwave.

	Funded New/Updated EEW Stations	Completed	Remaining
CA Geological Survey	232	230 (+18*)	2
US Geological Survey	161	161 (+19*)	0
UC Berkeley	152	143 (+14*)	9
Caltech	133	133 (+40*)	0
Department of Water Resources (DWR)	24	24	0
Total	702	691 (+91*)	11

	Funded EEW Microwave Connection	Completed	Remaining
Communications	350	113 (+19*)	237



^{*} **Red** text indicates completion since last EEW AB meeting



CGS Presentation Placeholder



Education and Outreach



Cal OES and San Jose Earthquakes Partnership

2023 CAL OES PARTNERSHIP OBJECTIVES

- Enhance public safety by driving substantial growth in MyShake App downloads
- 2. Educate and encourage **Businesses** to have a plan (Earthquake Preparedness)
- 3. Educate and encourage **Californians** to have a plan (Earthquake Preparedness)
- 4. Support San Jose Earthquakes' community as an earthquake education hub
- 5. Showcase earthquake preparations in PayPal Park
- 6. Deliver education messages to thousands of attendees and followers

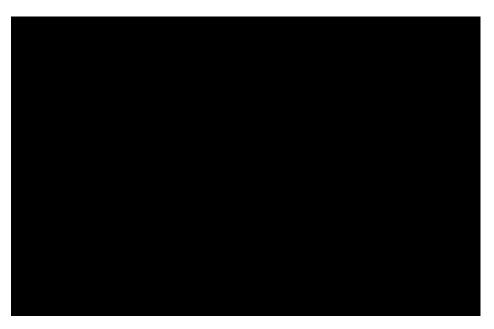




Cal OES Inside Look



- •Integrate EEW System into large public venues.
- Interacted with thousands of fans (Stanford Stadium +40K)
- •Established a strong relationship with the San Jose Earthquakes leadership team and Team 408 partners
- Maximized marketing opportunities throughout the Bay Area region



<u>San Jose Earthquakes Partnership with Cal OES Video</u> (https://www.youtube.com/watch?v=3Rpjsm0RGj4)





Game Day Assets

- Two (2) minutes of Digital LED Signage per game
- One (1):30 commercial on English Radio Broadcast
- One (1):30 commercial on Spanish Radio Broadcast
- Video Board. One (1) thirtysecond (:30) Video Board message with PA read









Player Videos Watch the Player Videos



Spanish





English

26



EARTHQUAKE SIMULATOR

- 1250+ Earthquake Simulator Riders
- 1550+ Outreach
 Booth Visitors









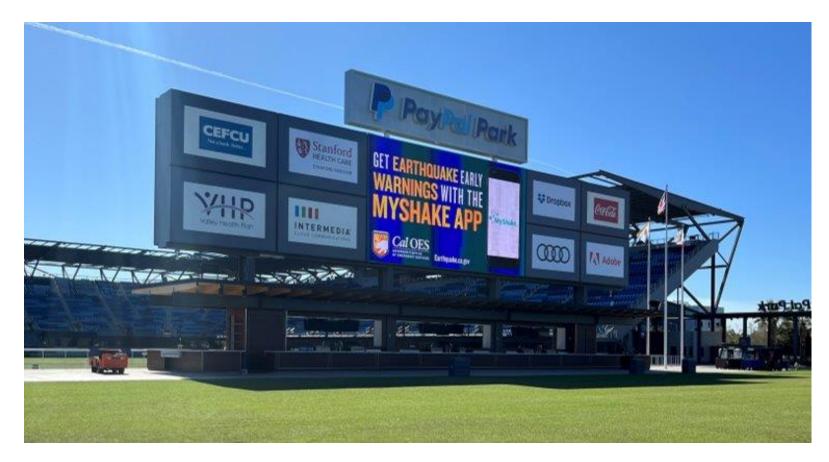






In-Game Stadium Messaging

- With attendance at PayPal Park growing 4.7x since 2021, permanent assets see a large value boost.
 - EST. 7.2M Impressions
 - 138,893 Total Attendance
 - 8,161 MyShake App Downloads







Great California ShakeOut Presentation Placeholder





Discussion

Given the success and lessons learned from the partnership with the San Jose Quakes, what similar partnerships could exist within your sector?





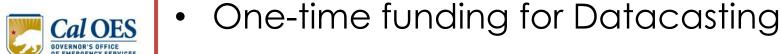
Lori Nezhura, Deputy Director, Planning, Preparedness & Prevention



EEW Budget Update

2023-2024 Spending Plan

- \$17.1 million on-going General Fund approved.
- With dedicated funds to:
 - Continued outreach in DEI communities
 - Airport Feasibility Study
 - Distributed Acoustic Sensing (DAS)
 - System Operations





Cal OES Director Closing Comments

Advisory Board Member Closing Comments

General Public Comment

Adjournment