Welcome!



ECA Bay Area Summer 2025 Workshop

City of Hayward Council Chambers

Earthquake Country Alliance

- 4000+ Public-Private-Grassroots leaders
- Statewide committees develop resources and deliver programs
- Regional Alliances organize meetings and outreach activities
- California's Office of Emergency Services provides FEMA NEHRP funding for ECA earthquake mitigation activities
- USC's Statewide California Earthquake Center (SCEC.org) administers ECA

Join: EarthquakeCountry.org/join





ECA Southern

ECA Central Coast



Redwood Coast

ECA Bay Area

ECA Bay Area Coordinating Committee Co-Chairs

Jeff Airth

San Francisco International Airport

Ray Bonilla

Elevance Health & City of Hayward City Council

Dena Gunning

Central County Fire Department (San Mateo)

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ECA Bay Area Coordinating Committee

Coordinating Committee Chairs: Jeff Airth, SFO International Airport

Ray Bonilla, Elevance Health & City of Hayward City Council **Dena Gunning**, Central County Fire Dept. (San Mateo County)

Communications Coordinator: Open Position

Events Bureau Coordinators: Chief David Cosgrave, San Mateo County Dept. of Emgcy. Svs.

Kacey Treadway, Santa Clara County Ofc. of Emgcy. Mgmt.

Media Bureau Coordinator: Open Position
 Membership Coordinator: Open Position
 Participation Bureau Coordinator: Open Position

Regional Workshops Coordinator: Jeff Airth, SFO International Airport

SCEC Liaison for ECA Bay Area: Mark Benthien (ECA/SCEC)

bayarea@earthquakecountry.org

EarthquakeCountry.org/bayarea

Today's Agenda

Welcome to the Heart of the Bay Area: A Warm Welcome to the City of Hayward

Mayor Mark Salinas (City of Hayward)

Emergency Management in Action: Hayward's Community-Driven Resilience Approach
Captain Frank Saiz (Emergency Services Officer, City of Hayward)

Built for Resilience: A Closer Look at Hayward City Hall's Advanced Seismic Design Chief Eric Vollmer (City of Hayward Fire Department)

> Inside Scoop: Updates from State Partners CEA, CGS, CalOES, CalOSBA

> > **Break**

From Fault Line to Finish Line: How Our Earthquake Exercise Took Shape Kacey Treadway (County of Santa Clara Office of Emergency Management)

ECA 2025 Activities & Opportunities, ShakeOut Planning, etc.Mark Benthien (Statewide California Earthquake Center & ECA Executive Director)

Announcements from Participants

Optional Tour: City Hall's Earthquake-Ready Innovations

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Brief Self Introductions

Name

Organization or Community

Title/Role

Emergency Management in Action: Hayward's Community-Driven Resilience Approach

Captain Frank Saiz (Emergency Services Officer, City of Hayward)

Built for Resilience: A Closer Look at Hayward City Hall's Advanced Seismic Design

Chief Eric Vollmer (City of Hayward Fire Department)

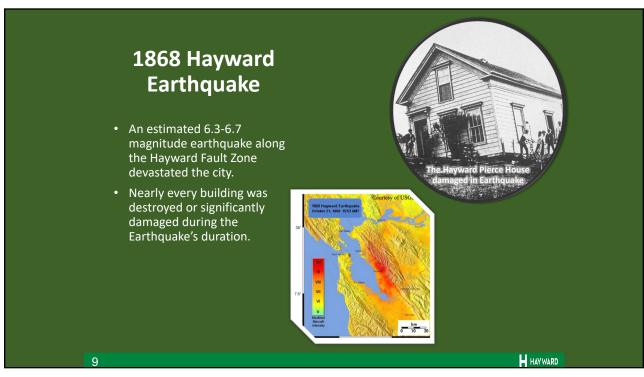
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Emergency Management in Hayward

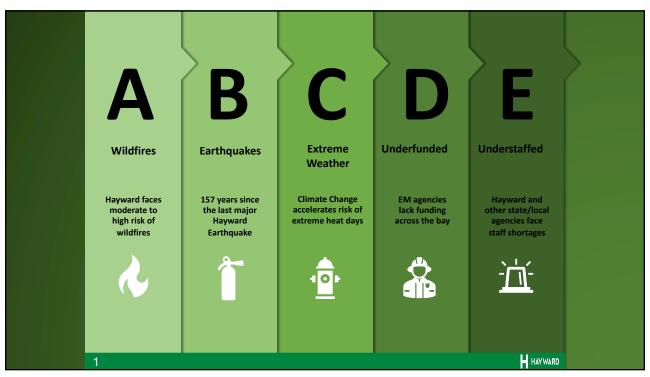


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HAYWARD









Major Accomplishments

- Thanks to Measure C and our partnership with Chabot College, Fire Station 6 was built as a regional training center for emergency responders and new EOC for staff.
- Glad Tidings Church
 Resilience Hub established
 for community resource
 distribution and care.



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What work is there to be done?



Train up city staff for Emergency Operations Center (EOC)



Expand enrollment in AC Alerts and zone haven for emergency notifications.

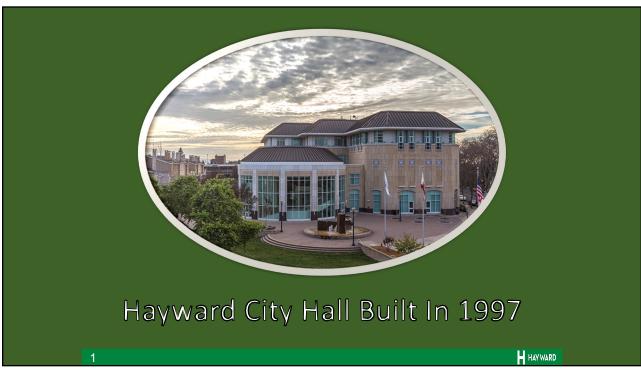


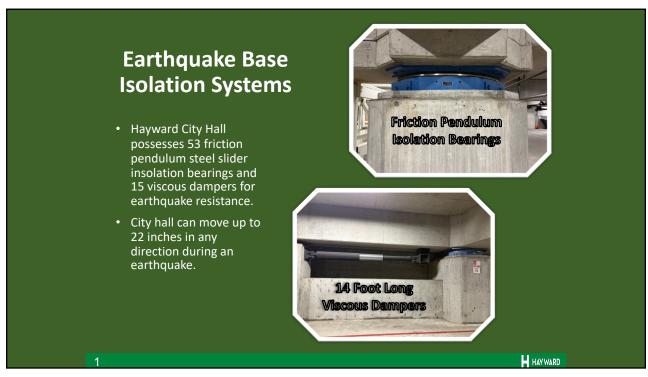


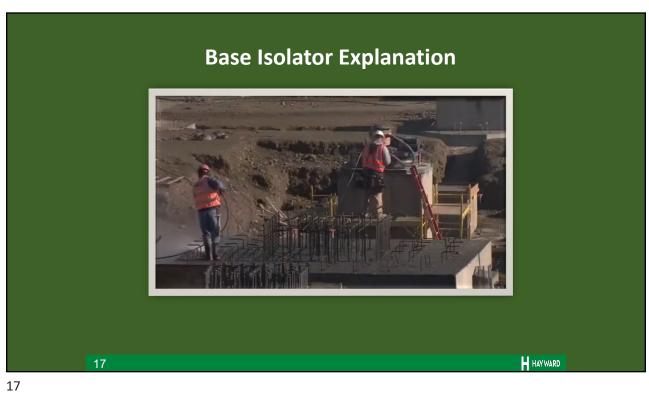
Increase community involvement through CERT Program and establish 8 more resilience hubs in Hayward to match our fire districts.

Reduce wildfire risks across Hayward through defensible space investments, fuel-reduction projects, and preparing for evacuation.

HAYWARD









Final Thoughts

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HAYWARD

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Please complete our brief workshop survey:

Surveymonkey.com/r/8YV7KCX

Join ECA (free) be notified of future events, etc. <u>EarthquakeCountry.org/join</u>

Questions?

info@earthquakecountry.org



Inside Scoop: Updates from State Partners

CEA, CGS, CalOES, CalOSBA

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Mitigation: A Culture of Earthquake Resilience

Janiele Maffei, Chief Mitgiation Officer California Earthquake Authority



JANIELE MAFFEI, S.E.

August 27, 2025

CHIEF MITIGATION OFFICER



Things to Know About Earthquake Risk

RISK = HAZARD + VULNERABILITY + EXPOSURE







California Earthquake Authority

CEA is a not-for-profit residential earthquake insurer.

ECA, August 27, 2025

Publicly Managed • Privately Financed

A not-for-profit provider of residential earthquake insurance

Governing Board: Governor

Insurance Commissioner

State Treasurer

Governor





cardo Lara



Non Voting: Assembly Speaker

Senate Rules Chair

Assembly Speaker Rehart Physic



Privately Financed: 1,132,605 Policyholders

Mission: Educate

Mitigate Insure

CEA Mitigation

Standards • Research • Incentives

ECA, August 27, 2025

FEMA P-1100 Earthquake Vulnerabilities Co-sponsored by FEMA and the California Earthquake Authority

CRMP Grant Programs Available



Crawlspace Wall Vulnerability



M6.6 1971 Sylmar EQ



M6.9 1989 Loma Prieta EQ



M6.7 1994 Northridge EQ

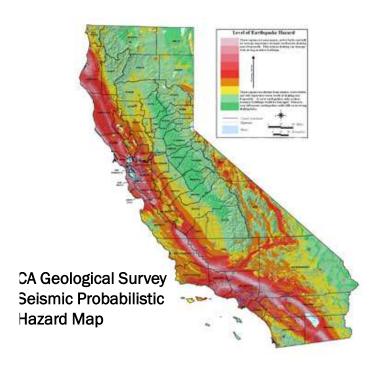


M6.6 2003 San Simeon EQ

CRMP Single-Family Crawlspace Retrofit Grant Programs



Funded by \$86m FEMA HMGP grants
Jointly managed by CEA and Cal OES
For qualified owner-occupied AND RENTAL houses in select ZIP Codes
Registration is OPEN through October 1, 2025





ECA, August 27, 2025

Earthquake Brace + Bolt Retrofit - EBB

California Residential Mitigation Program Retrofit Grants - Earthquake Brace + Bolt



Earthquake Brace + Bolt Program:

- Retrofits crawlspace with plywood bracing and new bolting
- Provides up to \$3,000 grant
- · Rental units ARE allowed
- In select ZIP Codes with high seismic hazard
- Has collected **important** data:
 - Retrofit costs \$5200 statewide median
 - More expensive in Northern CA
 - Number of retrofitted houses in a City

Short Cripple Wall Requires Framing Clips, Foundation Plates, and Plywood



EBB Supplemental Grant for Income-Eligible Homeowners

Since 2021, Earthquake Brace + Bolt (EBB) has offered additional funding above the \$3,000 EBB grant to help income-eligible homeowners complete a brace + bolt retrofit.

Introduced in 2022, SG provides different additional grant amounts depending on the retrofit and location:

Supplemental (l Grant		
NorCal Bolt Only	\$ 2,800*		
SoCal Bolt Only	\$ 1,125		
NorCal Brace & Bolt	\$ 7,000*		
SoCal Brace & Bolt	\$ 2,650*		

^{*} Indicates additional requirements for houses in FEMA designated flood area

ECA, August 27, 202

Developing Mitigation Incentive Programs

The following retrofit incentive grant programs are under development:

- Earthquake Soft-Story Pilot Program (ESS)
- Soft-Story Retrofit of Multi-Family (5-10 unit) Structures



Funded by \$5m FEMA HMGP grants **Registration closed**

ECA, August 27, 2025

Earthquake Soft-Story (ESS)
Living-Space-Over-Garage (Soft-Story) Found in Pre-2000 Houses



1971 San Fernando EQ



1989 Loma Prieta EQ



1994 Northridge EQ



2014 Napa EQ

Earthquake Soft-Story (ESS)

ESS retrofit adds structural elements that would be included in a modern house built to current code



EBB and **ESS** Information for Elected Officials and Community Leaders

CRMPtools.com



EBB Community Outreach Guide



EBB Program Overview Available in English, Spanish and Chinese



EBB 2024 ZIP Codes Available for Northern California and Southern California



2024 EBB Program Videos



EBB PowerPoint Presentation



EBB Homeowner Guide



EBB Step-by-Step Home Retrofit Planner

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CRMP Quick Reference

EMR



Phase One funded by \$7m FEMA BRIC grants
Phase Two BRIC grants cancelled
Application in for FEMA HMGP funding

ECA, August 27, 2025

Multi-Family Soft-Story Retrofit Program





Northridge Meadows Apartments - Northridge M6.7 Earthquake 1994

ECA, August 13, 202

Multi-Family Soft-Story Retrofit Program



Steel frame around garage door opening

FCA. August 27, 2025

Retrofitting Works

Complex engineering and testing has gone into the retrofitting standards that CRMP requires. Examples of the benefits of retrofitting were found after recent damaging CA earthquakes.

2014 M 6.0 Napa Earthquake



Unretrofitted - Red Tagged

Some retrofitting done - Green Tagged

ECA, August 27, 2025

2022 M 6.4 and 2023 M 5.4 Ferndale Earthquakes



Unretrofitted - Red Tagged

Some retrofitting done - Green Tagged





Updates from the California Geological Survey:

Earthquake Shaking Potential and Seismic Hazard Maps

Tim Dawson

with contributions from Dr. Wendy Bohon

Seismic Hazards Program | California Geological Survey

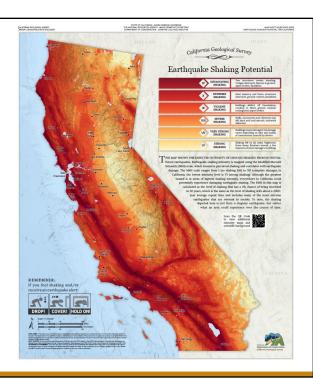
timothy.dawson@conservation.ca.gov

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Background

The California Geological Survey published the "Earthquake Shaking Potential for California" map in 1999 and has revised the map following each update of the National Seismic Hazard Maps (NSHM).

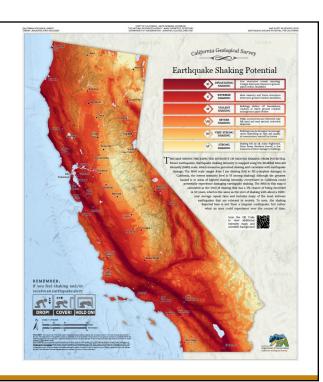
1999, 2008, 2016, 2025



California Department of Conservation | conservation.ca.gov

Communication Goals

- Damaging earthquake shaking is possible anywhere in California.
- The highest shaking hazard areas are near major active faults.
- Factors like local geologic conditions influence shaking intensity.

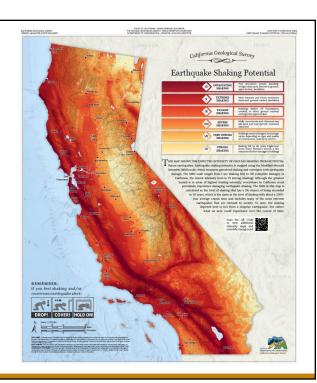


 ${\it California\ Department\ of\ Conservation\ |\ conservation.ca.gov}$

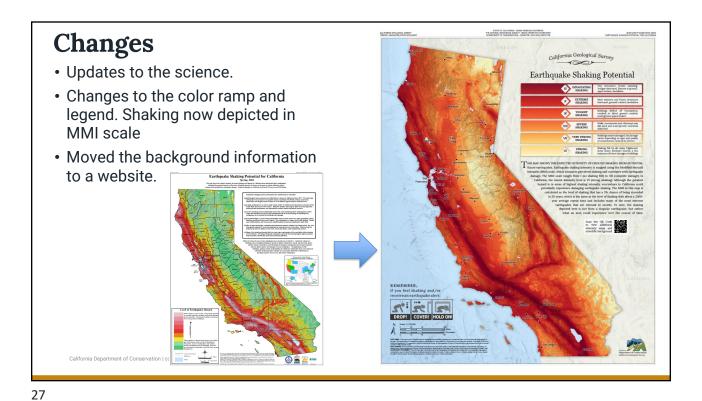
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Intended Purpose

- Show how potential earthquake shaking is distributed across the state.
- Visualize the information used in building codes updates and earthquake hazard assessments.
- The underlying data is what should be used for anything beyond a general understanding of the distribution of shaking hazard.

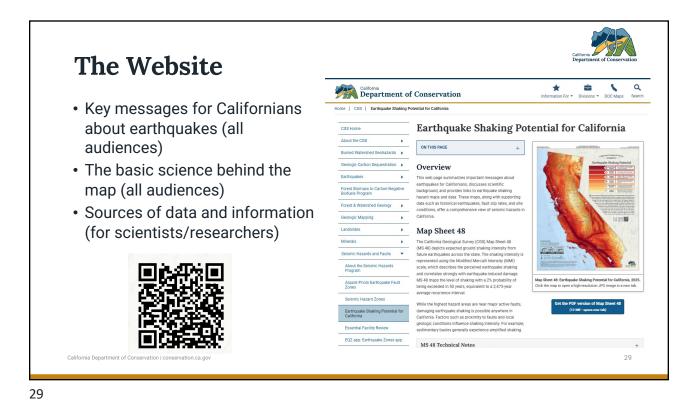


California Department of Conservation | conservation.ca.gov



Map Sheet 48 (2025 Edition)

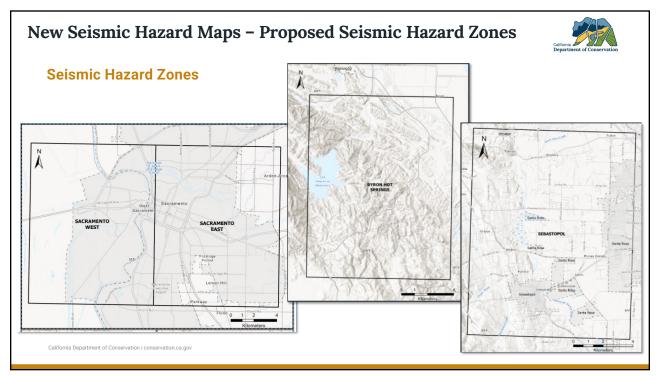
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New Seismic Hazard Maps - Proposed Earthquake Fault Zones

Alquist-Priolo Earthquake Fault Zones

Seignification of the street of conservation of the street





Updates from the Cal OES Seismic Hazards Program

Kristopher White, Earthquake Program Specialist, California Governor's Office of Emergency Services

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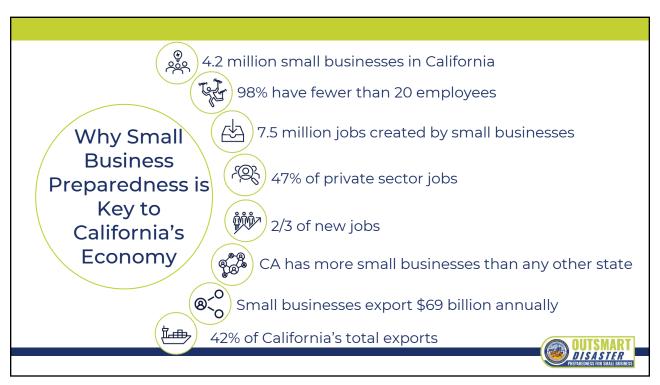
Disasters Take Many Forms and Put Small Business Revenue at Risk

Public Health Crises

Employee Shortages
Supply Chain Disruptions
Flooding
Farth Quak GSCyberattacks
Utility Failures Transportation Disruptions
Vandalism Extreme Heat
Storms Pandemics Inflation
Vendor Failures
Evacuations Theft
Flooding



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What is Outsmart Disaster?

A program which enables businesses and nonprofits to

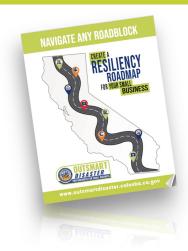
- Identify the potential risks to their location/areas of operations
- PHelps create a plan the Business Resiliency Roadmap
- Build resiliency and continuity planning to bounce back quicker after a disruption
- Why have a Business Continuity Plan?



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Simplified, Step-by-Step Resource



- · Available in English and Spanish
- Customizable forms
- Co-branded with local resources
- Free and accessible for all businesses and non-profits



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Upcoming Hayward Event

Outsmart Disaster: City of Hayward's HayWired Scenario Toolkit Workshop



• Date: Thursday, September 18, 2025

Time: 8:30 a.m. to 12:00 p.m.

Location: Hayward Library, 888 C St, Hayward, CA 94541

https://bit.lv/HaywiredHayward



Let's Build Resilience Together!

? Thank you! Any Questions?



Contact us



outsmartdisaster.calosba.ca.gov/

Shruti Narain Shruti.Narain@gobiz.ca.gov

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Please complete our brief workshop survey:

Surveymonkey.com/r/8YV7KCX



Join ECA (free) be notified of future events, etc. <u>EarthquakeCountry.org/join</u>

Questions?

info@earthquakecountry.org



From Fault Line to Finish Line: How Our Earthquake Exercise Took Shape

Presented by

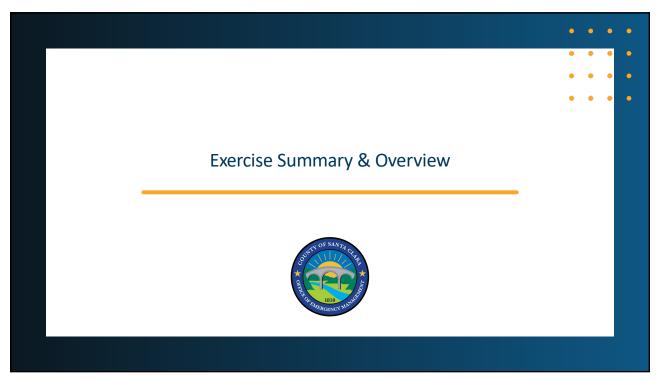
Kacey Treadway, CEM
Emergency Planning Coordinator
Sant Clara County Office of Emergency Management

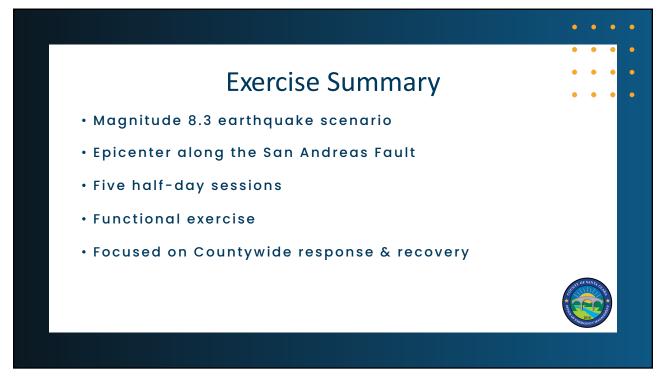
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AGENDA

- 1. Introduction
- 2. Agenda
- 3. Exercise Summary & Overview
- 4. Planning & Workshops
- Highlights, Resources, & Recommendations for each day
- 6. Additional Resources & Final Recommendations
- 7. Lessons Learned
- 8. Q&A







Exercise Overview

- 458 total participants
- 52 departments, agencies, and partners
- 312 scripted injected (not including spontaneous and ARES/RACES ones)
- First "start-to-finish" exercise

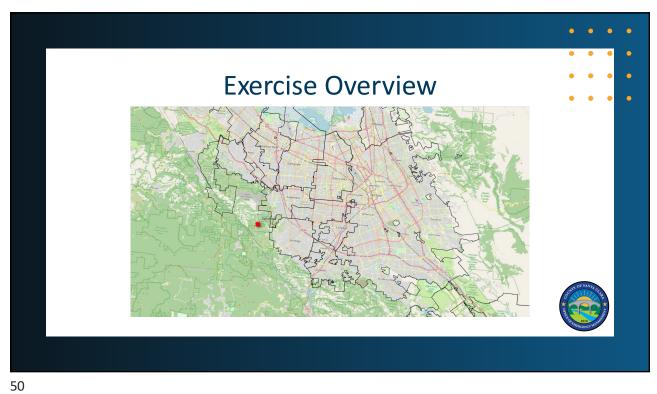


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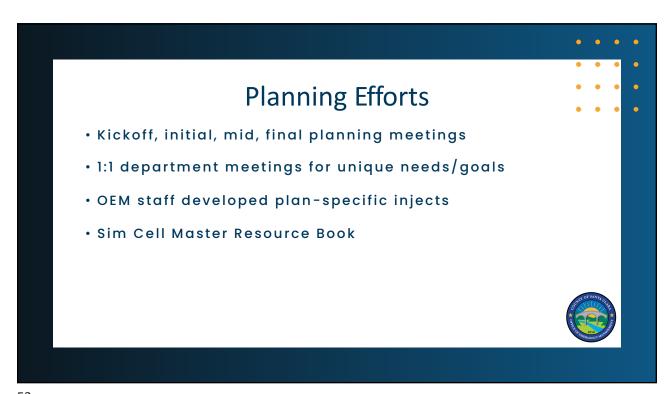
Exercise Overview

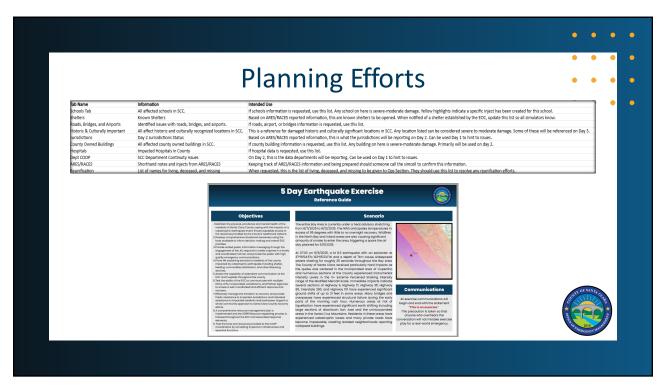
- · San Andreas Fault Line
- 1906 San Francisco Earthquake produced an 8.3
- Focused on MMI X and XI shaking to equate to potential damage













Operations



Day 1 Highlights

- Initial EOC activation and staffing
- · Staggered staff arrivals
- Section coordination and situational awareness development
- · No player briefing but had a video to set the stage
- · Aftershock announcement
- ARES/RACES calling in from the hospitals



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Day 1 Recommendations & Resources

- Give at least 4 hours in roles to allow acclimation
- · Allow new participants time in the EOC to get comfortable
- · Clear check-in instructions if section chiefs are absent
- · Tools:
 - Canva + voice generator for scenario briefings
 - QGIS for sim cell situation awareness



Day 2 Highlights

- Focus on COOP and Mass Care operations
- Dedicated COOP Sim Cell with pre-coordinated injects
- ARES/RACES reported jurisdiction status



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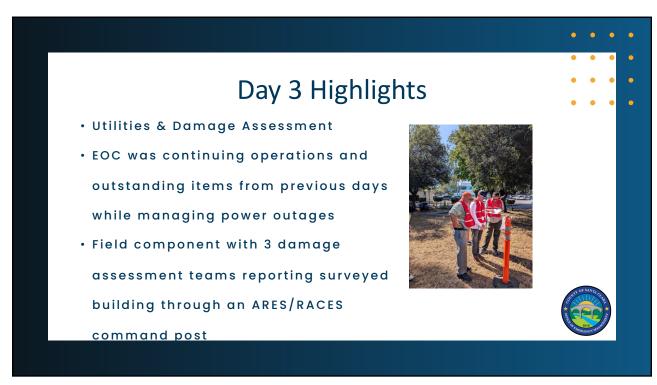
Day 2 Recommendations & Resources



- Ensure inject information is specific as possible
- Create/update Day 2 EAP and review objectives with participants
- · Have some PIOs act as reporters during press briefings
- Tools:
- · Satellite phones, if available
- COOP Status Board





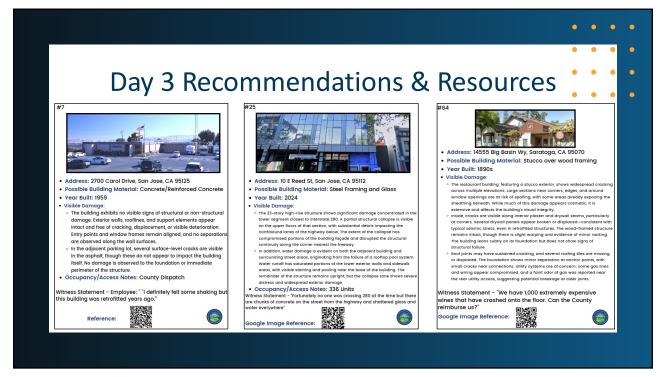




- Adapt ATC-20 forms for non-horizontal structures
- Provide ARES/RACES with forms in advance
- · Coordinate with PG&E for power outage mapping
- · Reinforce team communication and scenario rotation logistics
- Tools:
 - ATC-20
 - · Scenario cards
 - NPS National Register of Historic Places







Day 4 Highlights

- Focus on Individual Recovery & Logistics
- · 1-week post-event: response mostly concluded
- Information from LACs and shelters used to populate community points of distribution needs
- Finance working on state/federal requests

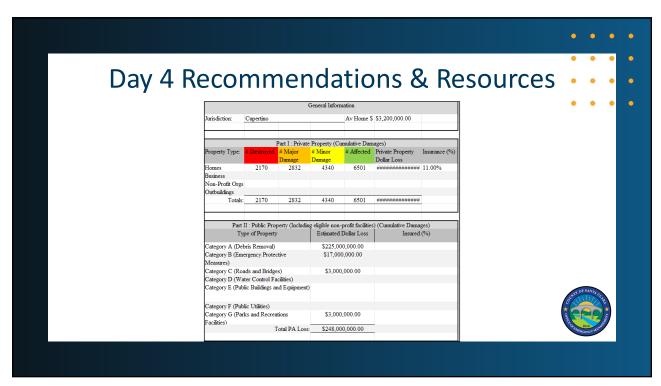


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Day 4 Recommendations & Resources

- Prepare jurisdiction initial damage estimates (IDEs) for review
- Enhance coordination between PIOs and Finance/Recovery
 Manager
- Consider emotional and social needs of the community in planning efforts
- Tools:
 - IDEs
 - Census Data





Day 5 Highlights • Focus on Recovery and Public Assistance operations • 3 weeks post-event: leveraging prior decisions and data • Building the Recovery Action Plan • Addressing niche questions: road ownership, tax exemptions, legal considerations

Day 5 Recommendations & Resources

- Include CalOES to review submissions and explain rejections
- Encourage participants to ask "what-if" questions about recovery
- Test environment in RRS/CalEOC is helpful
- · Tools:
 - IDEs and resource requests from other days'



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Day 5 Recommendations & Resources

Inject for building a Recovery Action Plan (RAP)

Following the Governor's emergency proclamation and anticipated federal disaster declaration, the CEO is requesting that you lead the development and execution of the County's Recovery Action Plan (RAP).

Please begin outlining a framework for the RAP and coordinate with Section Chiefs and departmental recovery leads to gather the following information:

1. Incident Summary and impact Overview

Key known damages by sector (housing, infrastructure, economic, etc.)

-Populations and communities most affected

2. Recovery Objectives & Guiding Principles

Short, medium, and long-term goals

-Integration of equity, sustainability, and resilience

-Access and Functional Needs considerations

3. Organizational Structure for Recovery

-Identify you'r Recovery Support Function (RSF) leads

-Recommend internal recovery coordination structure

4. Key Recovery Needs & Projects

-Prioritize urgent recovery actions

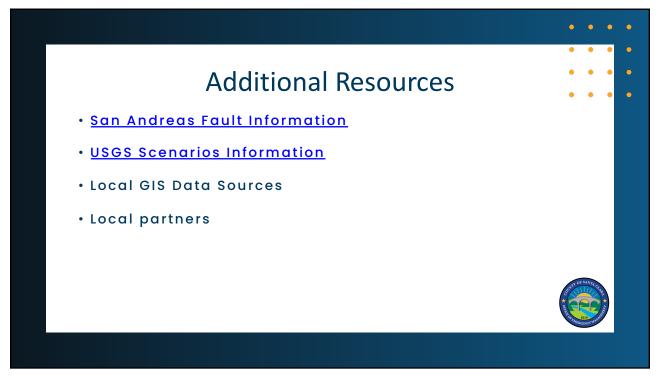
- List proposed projects or policy decisions for early implementation 5. Resources & Gaps

b. nesources & Gaps
 Funding strategies (FEMA, Cal DES, HUD, NGOs)
 Staffing, legal, and logistical gaps
 6. Community Engagement Plan
 Obuttine how you will incorporate input from the public, community-based organizations, and vulnerable populations Next Steps

Timeline for finalizing the Recovery Action Plan
-Recommend a Schedule for standing Recovery Task Force meetings
-Recommend a Schedule for standing Recovery Task Force meetings
-Recommend as chedule for standing Recovery Task Force meetings
-Recovery mission
-Recovery mission
-Recovery mission









Lessons Learned

- Veoci workflows need clarification and consistent usage
- Cross-section networking and collaboration require improvement
- "Back-to-basics" tools help with staff turnover
- Gaps in resources, personnel, and training are expected document and prioritize
- Small engagement tactics boost morale



Final Recommendations

- Reduce siloing through team-building exercises and crosssection workshops
- Track follow-through on tasks that carry over between exercise days
- Secure buy-in for start-to-finish exercise format
- Co-design exercise elements with departments to address their unique needs

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Q&A

Please complete our brief workshop survey:

Surveymonkey.com/r/8YV7KCX

Join ECA (free) be notified of future events, etc. EarthquakeCountry.org/join

Questions?

info@earthquakecountry.org



ECA 2025 Activities & Opportunities

Mark Benthien
Statewide California Earthquake Center (USC)
ECA Executive Director

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Earthquake Country Alliance

• 4000+ Public-Private-Grassroots leaders

 Statewide committees develop resources and deliver programs

- Regional Alliances organize meetings and outreach activities
- California's Office of Emergency Services provides FEMA NEHRP funding for ECA earthquake mitigation activities
- USC's Statewide California Earthquake Center (SCEC.org) administers ECA











Redwood Coast Tsunami Work Group

ECA Bay Area



ECA Statewide Activities

Develop Messaging and Resources:

<u>EarthquakeCountry.org</u> <u>EarthquakeCountry.org/resources</u> <u>Terremotos.org</u>

Support Tsunami Preparedness Week: TsunamiZone.org/california

Created and Coordinate
The Great California ShakeOut:

ShakeOut.org/california

Webinars & other events

EarthquakeCountry.org/calendar



ECA Sector-Based Outreach Committees & Chairs

Accessibility
 Sue Fisher

Businesses
 Healthcare
 Higher Education
 Ines Pearce, PGP
 Mary Massey, CHA
 Steve Goldfarb, USC

Non-Profit & Cheryl Nagy, SoCal VOAD

Faith-Based Organizations

PreK-12 Education Carlos Garcia, CDE

Public Sector
 Open

Join us! EarthquakeCountry.org/committees

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ECA Regional Alliances

- Quarterly workshops online or in-person
- Speakers/event tabling
- Regional coordination among public, private, and grassroots organizations









View Past Workshops and more: **EarthquakeCountry.org/alliance**

ECA Outreach Bureaus (Regional & Statewide)

• Events Bureau

- Speakers for online/in-person events Join us!
- Booths and tables at events
- Request presenter or information table:
 EarthquakeCountry.org/eca-events

• Participation Bureau

- ShakeOut and Tsunami Week recruitment and communications
- o County/City Partners for local engagement

• Communications Bureau

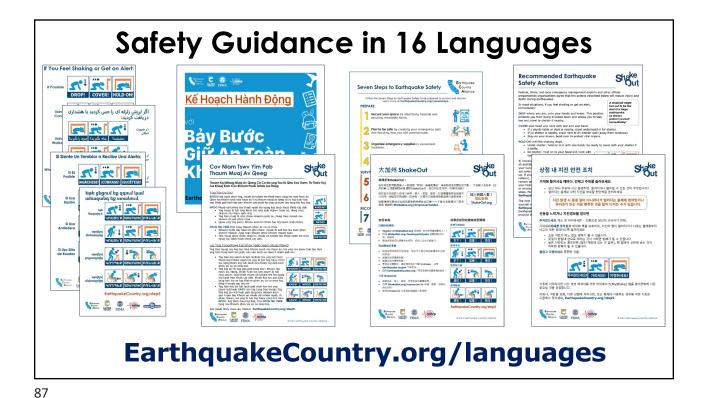
- Statewide and local coordination
- Media event planning
- Year-round messaging / news releases
- Post-earthquake shared messaging



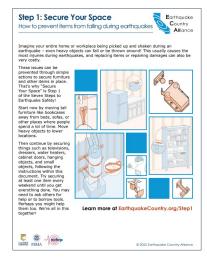


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Seven Steps To Earthquake Safety 1. Secure 2. Plan 3. Organize 4. Minimize **Your Space** To Be **Supplies** Financial Hardship Safe BEFORE 5. Drop, Cover, 6. Improve 7. Reconnect and Hold On **Safety** and Restore DURING AFTER EarthquakeCountry.org/sevensteps Terremotos.org/sietepasos



Secure Your Space Guide & Worksheet



How to Secure:

- Tall Furniture
- Televisions/Monitors
- Hanging Objects
- Small Objects
- Refrigerators
- · Cabinet Doors
- Storage Racks
- Water Heater

EarthquakeCountry.org/step1

ECA Mini Awards

- Purpose: provide materials for ECA member projects that improve earthquake resilience by promoting mitigation, awareness, and preparedness, and multiply impact of programs
- Purchases: \$500 to \$1000 each
- Eligibility: Proposals for earthquake mitigation and education activities
- New packages: For 2025 you'll be able to fully customize the materials for your project (furniture straps, printed materials, etc.)
- 2025 Award Application period: Proposals were due July 23

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ECA Late-2024 Nor Cal Mini Award Recipients

Pace Solano: 2 file cabinet straps, 4 furniture/bookcase straps, 1 storage cabinet fastener, 2 TV straps, 12 QuakeHOLD putty, 4 QuakeHOLD gel; \$275

City of Martinez: 8 storage rack fastening kit, 4 computer straps, 3 refrigerator kits, QuakeHOLD putty, \$500

Invictus Academy of Richmond: 20 furniture straps, 10 bookcase.storage strap, 5 file cabinet straps, 3 copier fastener; \$500 Cortez Family Childcare: 5 furniture strap, 3 bookcase/storage straps, 3 storage rack fastening kit, 6 wall "lasso" kit, 1 refrigerator kits, 1 water heater strap, 1 seismo-latch deluxe, 2 QuakeHOLD putty, 2 QuakeHOLD gel; \$405

Pacific Skyline Council, Boy Scouts of America: 9 furniture/bookcase straps, 8 storage cabinet fastener; \$495
St. Francis Catholic High School: 20 file cabinet straps, 5 bookcase/file cabinet fastener, 5 storage cabinet fastener; \$500
Comunidades Aliadas Tomando Acción: 4 storage rack fastening kit, 2 refrigerator kits, 4 bookcase/file cabinet straps, 2 furniture fastening kit; \$340

Golden Valley USD: 5 bookcase/storage straps, 4 bookcase/file cabinet straps, 3 storage cabinet fastener, 4 storage rack fastening kit, 5 QuakeHOLD; \$495

International School of Monterey: 10 bookcase/file cabinet straps, 2 storage rack fastening kit, 2 storage cabinet fastener, 2 refrigerator kits, 6 furniture straps, 4 file cabinet strap; \$500

American Red Cross: 1 furniture strap, 3 bookcase storage straps, 8 file cabinet straps, 3 storage cabinet fastener, 2 storage rack fastening kit, 1 TV strap, 2 computer straps, 1 copier fastener, 1 refrigerator kits, 1 seismo-latch deluxe, ; \$495

Salinas Valley Solid Waste Authority: 2 file cabinet straps, 2 furniture/bookcase straps, 4 storage cabinet fastener, 1 storage rack fastening kit, 10 computer straps, 1 tabletop fastening kit, 5 QuakeHOLD putty, 2 QuakeHOLD gel, 4 picture hooks; \$500

Williams Whittle Residential Care Home: 1 furniture strap, 3 file cabinet strap, 1 storage cabinet fastener, 1 TV strap, 4 refrigerator kits, 3 water heater straps, 4 QuakeHOLD putty, 3 QuakeHOLD gel, 2 residential kit; \$500

San Carlos School: 10 furniture straps, 8 file cabinet straps, 9 bunk bed fastening kits, 1 electronic strap; \$500

Our Lady of Miracles Catholic School: 20 bookcase/storage straps, 5 file cabinet straps, 1 bookcase/cabinet fastener, 1 copier fastener, 2 QuakeHOLD putty; \$325

Building Blocks of Grace Preschool: 14 furniture straps, 2 file cabinet straps, 1 storage cabinet fastener, 2 refrigerator kits, 2 seismo-latch deluxe, 1 picture hook; \$370

Mendocino County Office of Education: 20 bookcase/storage straps, 20 cabinet latches, 10 QuakeHOLD putty, 30 picture hooks; \$500

City of Martinez, CA



















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Invictus Academy of Richmond







International School of Monterey













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Mendocino County Office of Education







Salinas Valley Solid Waste Authority







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Boy Scouts of America-Pacific Skyline Council







Our Lady of Miracles Catholic School

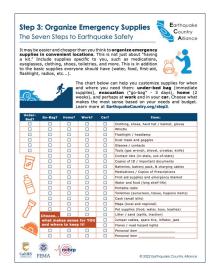




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Disaster Supplies Checklist

- Choose where you want to store your supplies:
 - Under-Bed bag?
 - · Go-Bag?
 - · Home?
 - · Work?
 - Car?
- What personal items do you need?



EarthquakeCountry.org/step3

Under-Bed Bags

- Keep shoes, socks, and a flashlight in a closed bag attached to each bed.
- You can also include other items as in this picture.

Prevents...

- Stepping on broken glass, or glass in shoes
- Tripping over objects

Allows you to...

- Exit bedroom safely
- Help injured



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Drop/Lock, Cover, and Hold On: Adapt to Your Situation

- If possible:
 - **Drop** on to your hands and knees, where you are
 - Cover your head and neck with one arm and hand;
 - If a sturdy table or desk is nearby, crawl underneath it for shelter
 - If no table/desk, crawl against a wall or next to low furniture for sideways protection
 - Hold On to your shelter until shaking stops
- If you can't get back up on your own: don't drop down sit down, stay in bed, etc. then Cover your head and Hold On.
- If you use a wheelchair or walker with wheels: Lock the brakes, Cover your head as best you can, and Hold On.
- Practice your preferred method with others who assist you
- <u>EarthquakeCountry.org/step5</u>

Using Cane

If You Feel Shaking or Get an Alert:



Using Wheelchair LOCK! COVER!

FarthquakeCountry ora/step5

Earthquake Safety Video Series





- Separate short (1-8 min) videos:
 - indoors, nearby table/desk
 - indoors, no table/desk
 - theater/stadium
 - near the shore
 - in a car
 - in bed
 - for users of mobility devices/aids
- View full videos at Youtube.com/greatshakeout
- Download full videos at ShakeOut.org/messaging

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Great ShakeOut Earthquake Drills

- Annual opportunity for schools, organizations, and families to practice earthquake safety and other aspects of their emergency plans
- 2025 International ShakeOut Day:
 October 16
- Learn more and register:ShakeOut.org
- How to participate, guides, etc.:
 ShakeOut.org/howtoparticipate





Social Science Research Basis for ShakeOut

People Get Motivated to Prepare When:



- They see and hear consistent information about what to do frequently, in many forms, and from many sources
- They see others like themselves getting prepared
- They talk about preparedness with people they know
- They learn potential consequences, and how to avoid them

Based on research results of Mileti, D., Wood, M., Bourque, L., and others

ShakeOut puts these findings into practice

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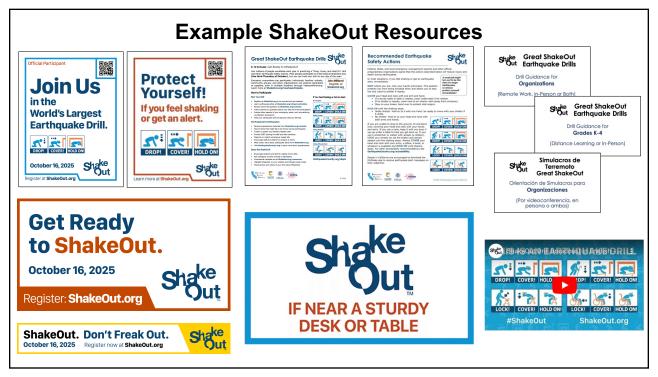
SCEC's National Coordination Role

As the background organization (with support from FEMA) for ShakeOut nationally, SCEC:

- Maintains and updates all ShakeOut websites
- Creates and distributes regionally customized "ShakeOut Update" email newsletters to encourage participation and additional actions
- Sends individual emails to people who haven't renewed their registration
- Calls larger organizations nationwide to help them to renew their registration
- Creates social media content posts for everyone to share (see <u>ShakeOut.org/messaging</u> and follow <u>x.com/ShakeOut</u> and <u>facebook.com/GreatShakeOut</u>)



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Exercise Themes & Ideas

- The Toolkit identifies 30 Themes addressed in the scenario, spanning 45 ideas for discussionbased exercises
- Document symbols indicate 17
 Facilitator Tools (Discussion
 Guidance and Slidesets) based on
 the suggested ideas (and soon 3
 more!)
- All materials are available at EarthquakeCountry.org/haywired



HayWired Scenario Exercise Toolkit

Toolkit Website and Upcoming Trainings



EarthquakeCountry.org/haywired

Upcoming Workshops

Hayward, September 18 (with CalOSBA)

Access to Data and Information

Newark, September 29 (Small Businesses) Building Contents

Newark, September 30 (Large Businesses) Supply Chain – Movement of Goods

Host a Workshop: Email benthien@usc.edu



September 18 Hayward Workshop

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Please complete our brief workshop survey:

Surveymonkey.com/r/8YV7KCX

Join ECA (free) be notified of future events, etc. <u>EarthquakeCountry.org/join</u>

Questions?

info@earthquakecountry.org



Brief Announcements from Attendees

Please complete our brief workshop survey:

Surveymonkey.com/r/8YV7KCX



Questions?

info@earthquakecountry.org

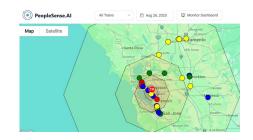
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ECA Bay Area Summer 2025 Workshop

Hayward City Hall, Aug 27th 2025



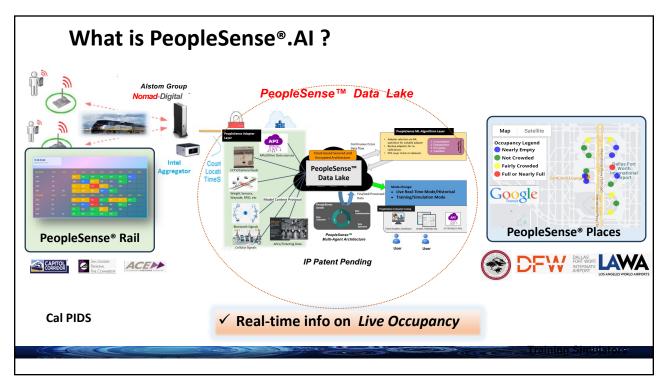


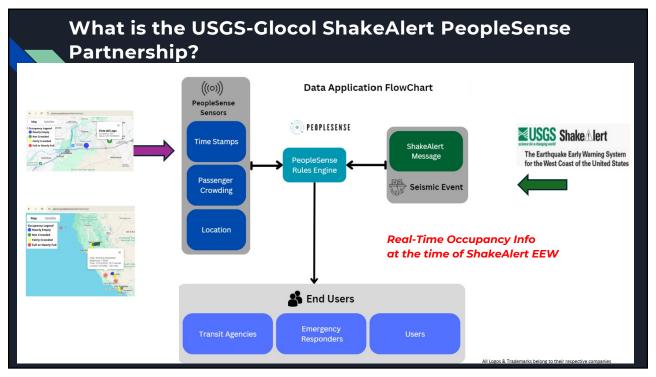


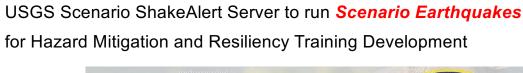
Glocol Networks, A Technology Partner of USGS Shake Alert



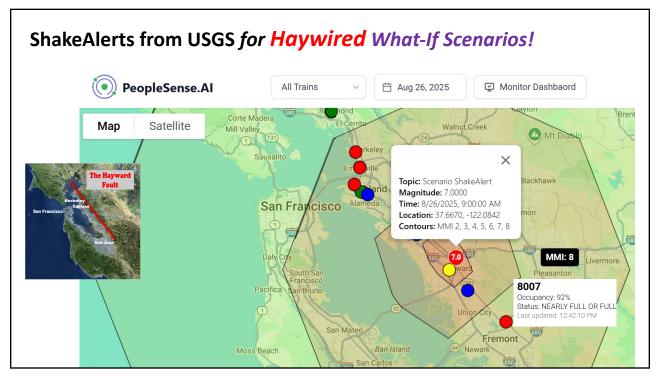
All Logos & Trademarks belong to their respective companie

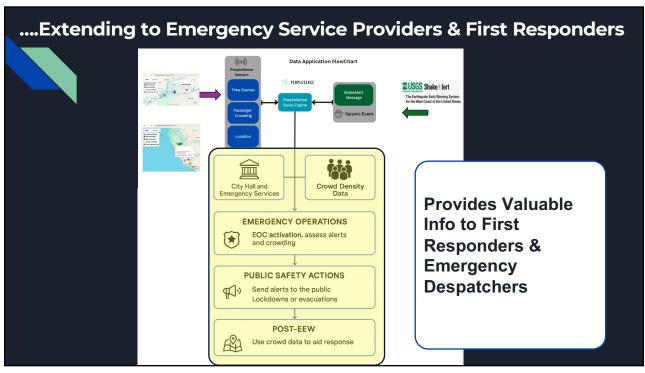


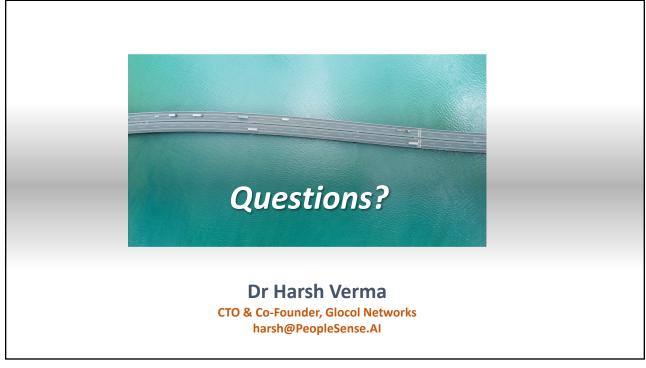














Expanding the range of venues and contexts where earthquake preparedness information is made available through community-specific education and outreach

Shake∆lert Ready Outdoors

National, state, and local parks; other outdoor

venues; other free-choice

learning environments

Shake Alert Ready
Schools

K-12 schools with ShakeAlert technical implementations (ShakeAlert-powered schools) Shake Alert Ready

Community Emergency Response Team (CERT) Programs in CA, OR, and WA

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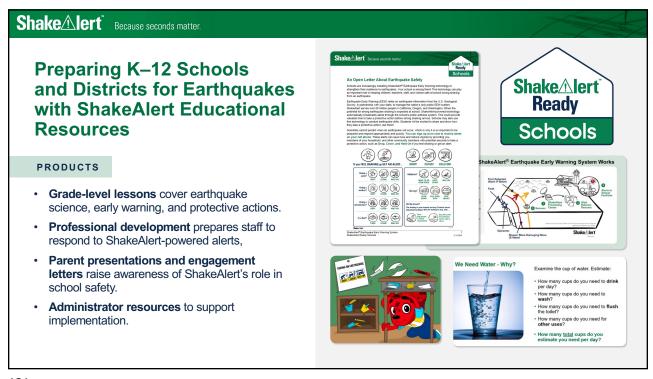
Shake Iert Because seconds matter.

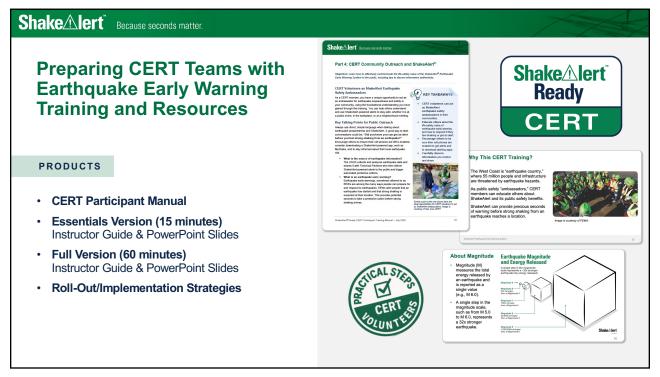
Preparing Outdoor Visitors for Earthquakes in Parks and Free-Choice Learning Environments

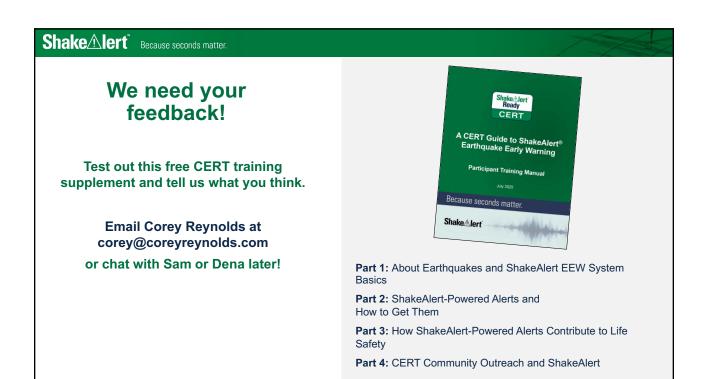
PRODUCTS

- Park-specific fact sheets explain earthquake risks, geologic context, alert access, and safety actions.
- A "Know the Signs" coloring sheet and poster visually highlight natural warning signs of earthquakes.
- A Resource Toolkit provides outreach tips and tools to help staff and visitors prepare for earthquakes.









What is something that you:

learned
will do
will use
will tell others

Connect with ECA Bay Area

- <u>EarthquakeCountry.org/bayarea</u>
- bayarea@earthquakecountry.org
- Terremotos.org
- X.com/eca
- Facebook.com/earthquakecountryalliance
- Instagram.com/earthquakecountryalliance



