

# Welcome!

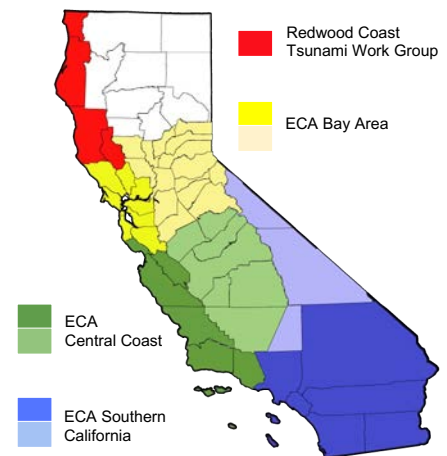


## ECA Bay Area Spring 2022 Workshop

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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 NEHRP funding for ECA earthquake mitigation activities
- USC's Southern California Earthquake Center (SCEC.org) administers ECA



Join: [EarthquakeCountry.org/join](https://EarthquakeCountry.org/join)



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# National Earthquake Hazards Reduction Program (NEHRP)

- Cal OES applies to FEMA for NEHRP funding, which is then subawarded to USC for SCEC to administer ECA’s earthquake education, outreach, and mitigation activities.
- NEHRP is a partnership of four federal agencies that provide resources to mitigate and reduce losses caused by earthquakes in the U.S., including support for:
  - Research on the causes and effects of earthquakes
  - Building design recommendations to reduce earthquake damage and disruption
  - Activities that advocate earthquake risk reduction awareness and practices
- ECA also receives funding from NSF and USGS via their support of SCEC.



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## ECA Statewide Activities

Develop Messaging and Resources:

- [EarthquakeCountry.org](http://EarthquakeCountry.org)
- [EarthquakeCountry.org/resources](http://EarthquakeCountry.org/resources)
- [Terremotos.org](http://Terremotos.org)



Support Tsunami Preparedness Week:

- [TsunamiZone.org/california](http://TsunamiZone.org/california)



March 21-25 2022

Created and Coordinate The Great California ShakeOut:

- [ShakeOut.org/california](http://ShakeOut.org/california)



Oct. 20 in 2022!

Webinars & other events

- [EarthquakeCountry.org/calendar](http://EarthquakeCountry.org/calendar)

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## ECA Sector-Based Outreach Committees

- Public Sector
- Businesses
- Accessibility
- Non-Profit & Faith-Based Organizations
- Healthcare
- Higher Education
- PreK-12 Education
- EPIcenters (Museums, parks, libraries, etc.)

Each meets bimonthly; Join us!

[EarthquakeCountry.org/committees](http://EarthquakeCountry.org/committees)

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## ECA Outreach Bureaus (Regional & Statewide)

- **Events Bureau**
  - Speakers for online/in-person events
  - Booths and tables at events
  - Request presenter or information table:  
[EarthquakeCountry.org/events](http://EarthquakeCountry.org/events)
- **Participation Bureau**
  - ShakeOut and Tsunami Week recruitment and communications
  - County/City Partners for local engagement
- **Media 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

**BEFORE**

1. Secure Your Space



2. Plan To Be Safe



3. Organize Supplies



4. Minimize Financial Hardship



**DURING**

5. Drop, Cover, and Hold On



6. Improve Safety



**AFTER**

7. Reconnect and Restore



[EarthquakeCountry.org/sevensteps](http://EarthquakeCountry.org/sevensteps)

[Terremotos.org/sietepasos](http://Terremotos.org/sietepasos)

# Updated Materials in 15 Languages

The collage displays various language versions of earthquake safety materials. Visible titles include:
 

- Spanish:** "If You Feel Shaking or Get an Alert: DROPI | COVER | HOLD ON"
- Vietnamese:** "Kế Hoạch Hành Động với Bảy Bước Giữ An Toàn" (Action Plan with Seven Steps to Stay Safe)
- Chinese:** "大加州 ShakeOut" (Great California ShakeOut)
- Other languages shown:** Tagalog, Vietnamese, and several others.

 Each poster includes the "Shake Out" logo and the EarthquakeCountry.org website information.

[EarthquakeCountry.org/languages](http://EarthquakeCountry.org/languages)

# Welcome!



**ECA Bay Area**  
Spring 2022 Workshop

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## **ECA Bay Area Coordinating Committee Co-Chairs**

**Daniel Homsey**

City and County of San Francisco

**Ray Bonilla**

Meta

**Dena Gunning**

Central County Fire Department

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## ECA Bay Area Coordinating Committee

- Coordinating Committee Chairs: **Ray Bonilla**, Meta  
Fire Dept. (San Mateo County)  
of San Francisco NEN  
**Dena Gunning**, Central County  
**Daniel Homsey**, City and County
- Communications Coordinators: **Susan Garcia**, USGS
- Events Bureau Coordinator: **Chief David Cosgrave**, Coastside Fire Protection District  
**Kacey Treadway**, San Mateo  
Consolidated Fire
- Media Bureau Coordinators: **Janet Ruiz**, Insurance Information Institute  
**Jennifer Strauss**, UC Berkeley
- Membership Coordinator: **Wendi Ellis**, US Department of Health and Human Services
- Participation Bureau Coordinators: **Theresa Langdon**, Alameda County Office of Emergency Services  
**Kristi Duenas**, Alameda County  
Office of Emergency Services
- Regional Workshops Coordinators: **Jeff Airth**, SFO

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## Today's Agenda

### **Welcome and Statewide ECA Updates**

### **ECA Bay Area Chair Daniel Homsey: Welcome and Coordinating Committee**

### **Enhancing Your Operational Resilience by Exercising Aspects of an Earthquake Scenario**

Monika Stoeffl (Executive Director, California Resiliency Alliance)

### **Quakes Break: Bay Area Seismic Activity Since Last Workshop**

Dr. Josie Nevitt (USGS)

### **2022 ECA Bay Area Mini Award Project Lightning Talks**

Updates about funded projects from Award Recipients

### **Mitigation Moment**

Anne Rosinski (FEMA)

### **Open Discussion and Networking**

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# *Enhancing Your Operational Resilience by Exercising Aspects of an Earthquake Scenario*

**Monika Stoeffl**

Executive Director, California Resiliency Alliance

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## Enhancing Your Operational Resilience by Exercising Aspects of an Earthquake Scenario

Monika Stoeffl, California Resiliency Alliance

Earthquake Country Alliance Bay Area Workshop - May 25, 2022



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## **Operational Resilience**

Many definitions, but at its core

To continue to function in  
an ever changing environment

**It's the Everyday as much as the Disaster Day**

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Disruptions can come from unexpected places ...

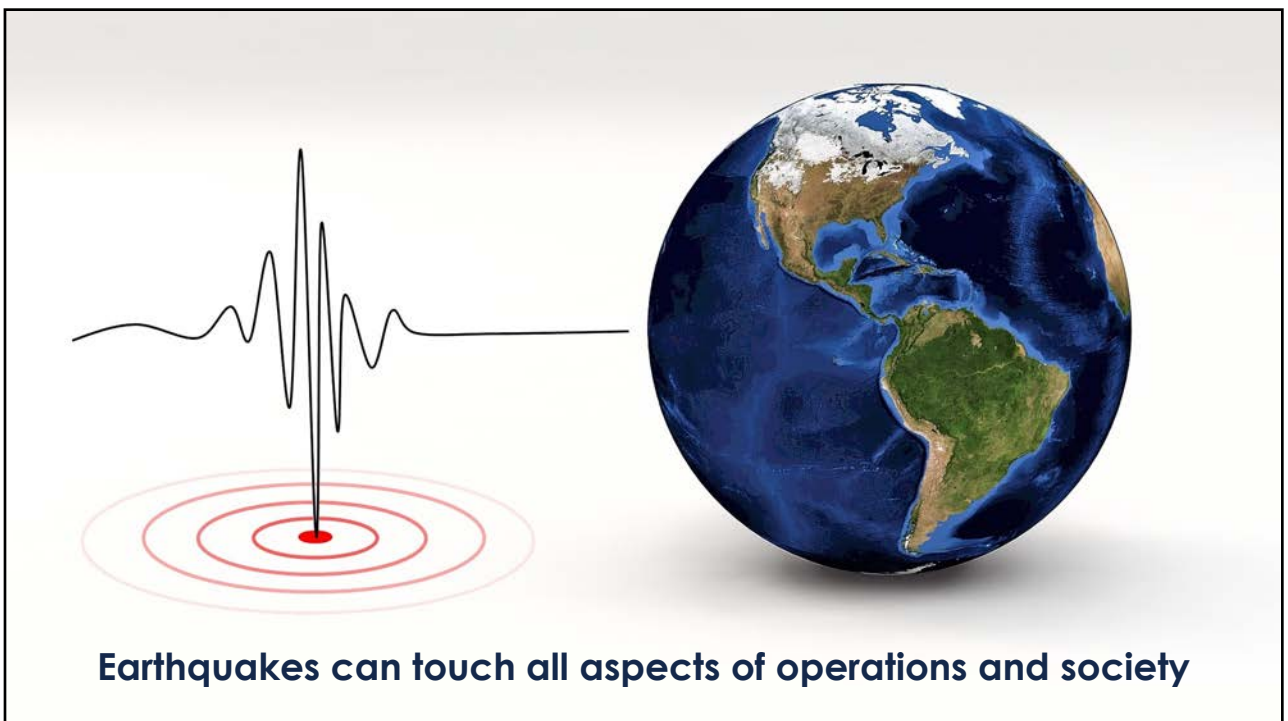
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**Exercises - A safe place to explore, grow, and get stronger**

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**Earthquakes can touch all aspects of operations and society**

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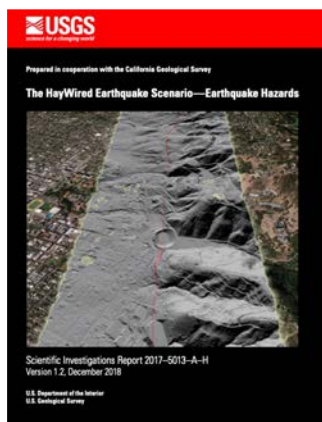
## Multifaceted Event

- ☐ People: Employees & Customers
- ☐ Budlings & Assets
- ☐ Transportation Systems
- ☐ Utilities & Telecommunications
- ☐ Supply Chains
- ☐ Regulatory & Insurance
- ☐ Public Health
- ☐ Ongoing & Concurrent Hazards
- ☐ Emotional & Psychological

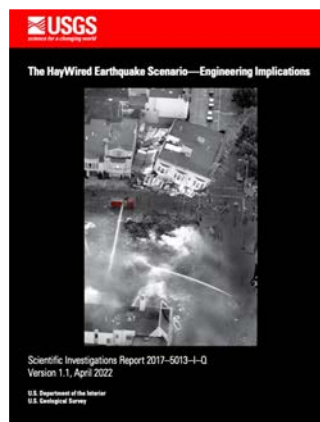
**Preparedness, Response, Recovery, Mitigation**

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## Bay Area Earthquake Scenario – Already Built For You



**Volume 1**  
**Earthquake Hazards**



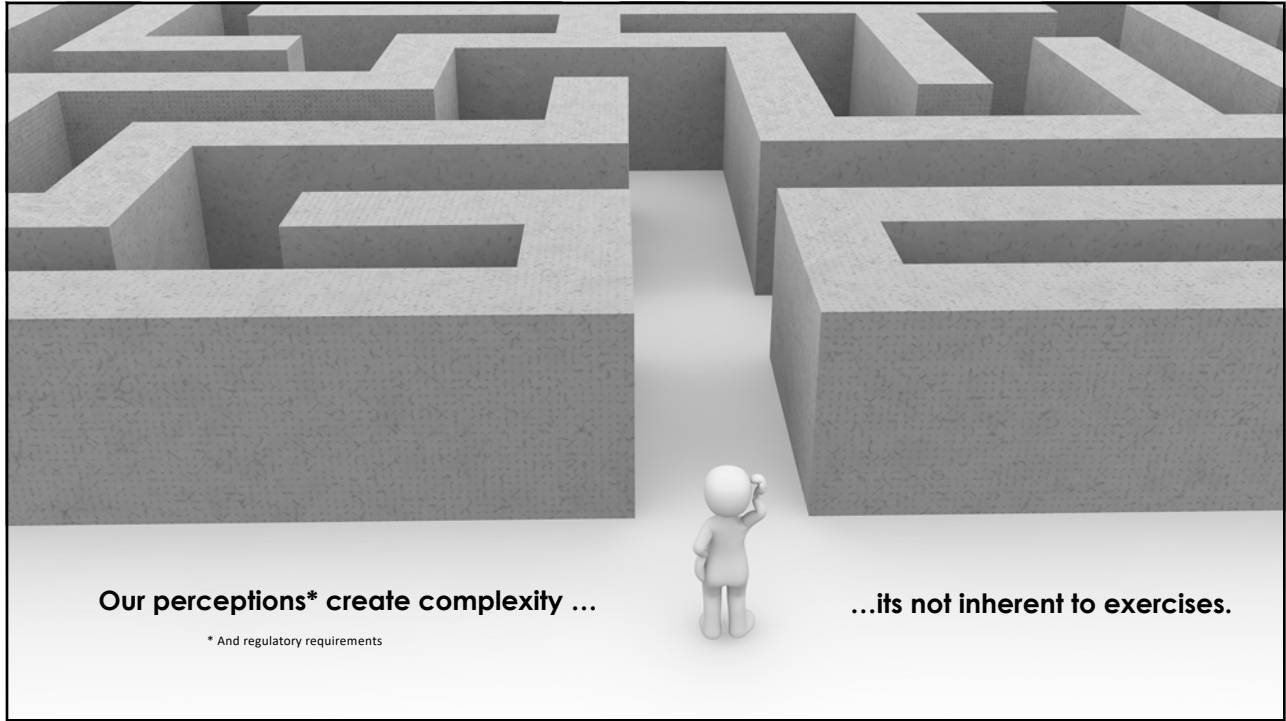
**Volume 2**  
**Engineering Implications**



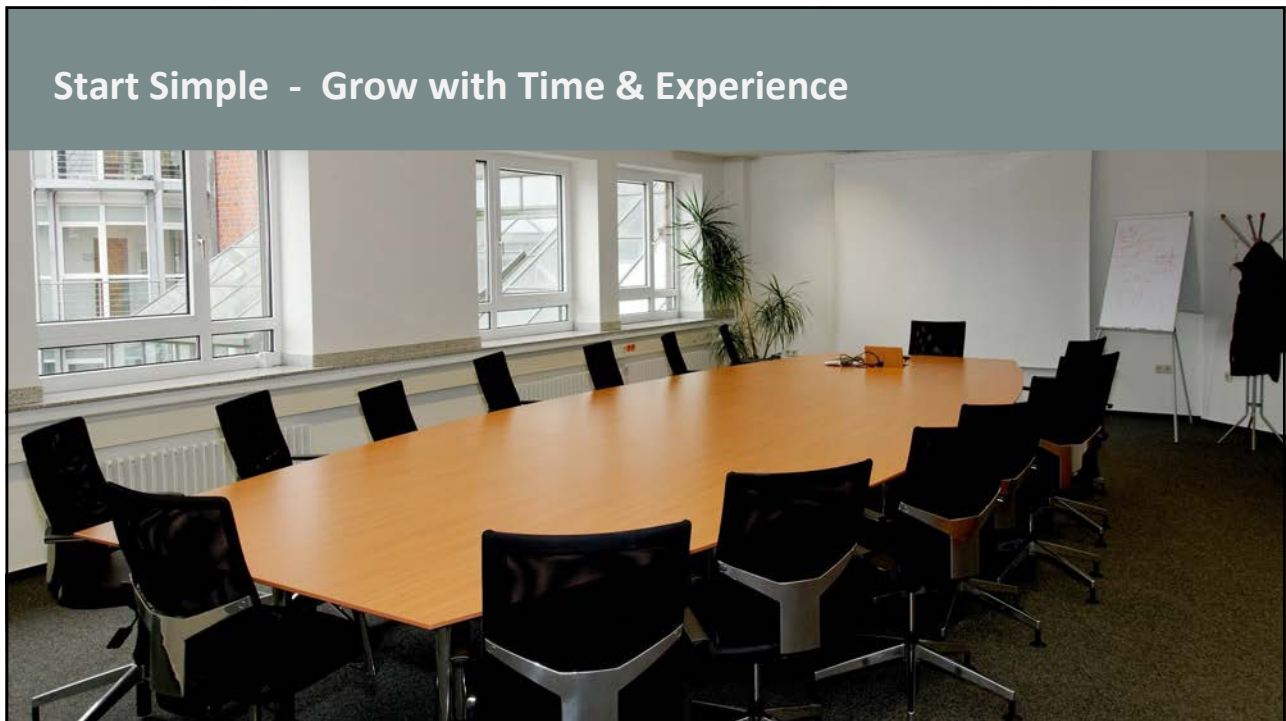
**Volume 3**  
**Societal Consequences**

Access reports at <https://pubs.er.usgs.gov/publication/sir20175013>

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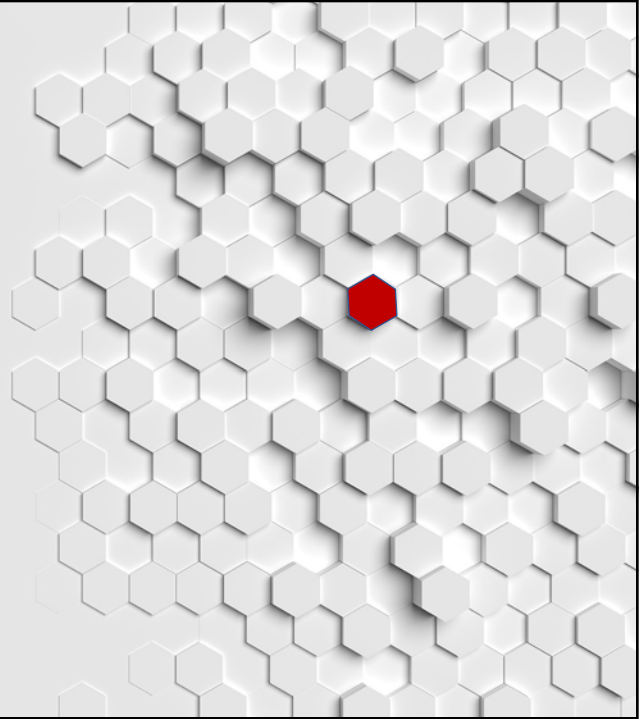
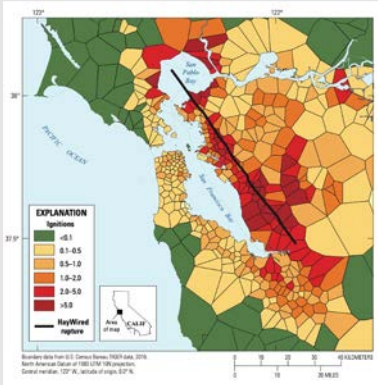


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## Fires After Earthquakes

### Scenario

For the Mw 7.0 scenario mainshock, it is estimated that approximately 668 ignitions that require the response of a fire engine would occur. For approximately 450 of these ignitions, the first responding engine would not be able to adequately contain the fires. (Vol 2, Chap P, p 367)

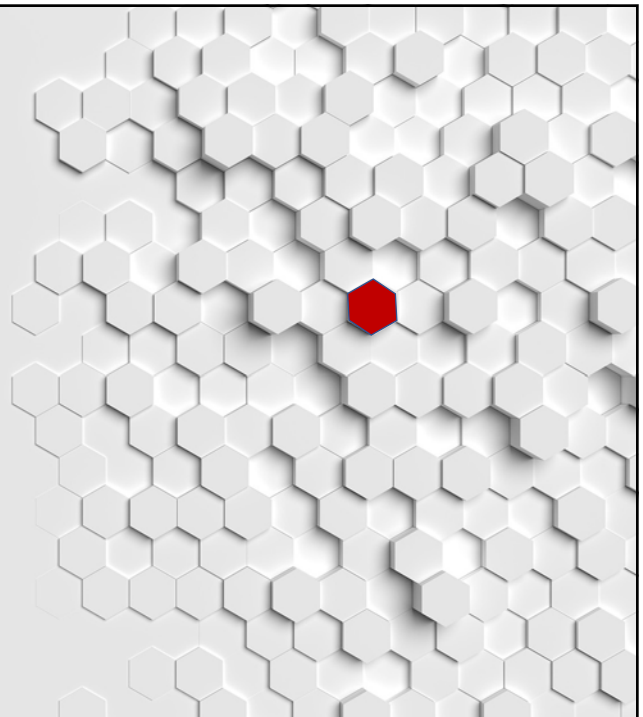


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## Fires After Earthquakes

### Issue

Reducing the chances of fire ignitions and spread in our facility(ies)

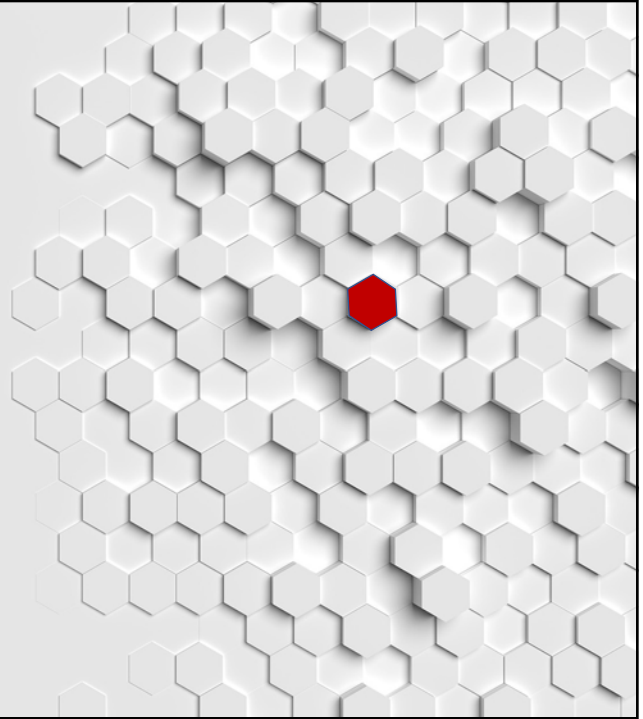


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## Fires After Earthquakes

### Discussion

- How easily would a fire spread through our facility? What mitigation measures have we already taken to reduce the risk of fire in our facilities?
- Does our fire alarm system operate in the event of a loss of power? Is it dependent upon communication infrastructure such as an internet connection?
- If our facility has automatic sprinklers, what do they require to be operational? Would they still function if there is a loss of water pressure?
- Considering the common sources of ignition, how can we further reduce risks of ignition from these sources, especially in a post earthquake environment?



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## Exercising is Practicing

...to improve you have to practice

Start staff meetings with a scenario question

Hold hazard scavenger hunts

Engage in "What if ...?"

**Use exercises to strengthen  
your everyday  
operational resilience**



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## A resource tool is being created for you:

### HayWired Earthquake Scenario Exercise Toolkit

- HayWired Scenario Overview & Report Highlights
- Getting Started Developing Your Exercise
- Using Your Exercise For Continuous Improvement
- Exercise Ideas Based on The HayWired Scenario

### Facilitator Guides

- Objective & Issue for Discussion
- Information Excerpts from the HayWired Reports
- Individuals to Consider Including in the Discussion
- Suggested Questions for your Discussion
- Additional Elements to Consider
- Links to Visuals and Graphics



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**Monika Stoeffl**  
Executive Director  
California Resiliency Alliance  
[mstoeffl@CAresiliency.org](mailto:mstoeffl@CAresiliency.org)

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# Q&A

Please ask questions in the chat tool.

The recording of today's webinar will be available next week at:  
[EarthquakeCountry.org/bayarea](https://EarthquakeCountry.org/bayarea)

To be notified of future events and recordings, join ECA (free!):  
[EarthquakeCountry.org/join](https://EarthquakeCountry.org/join)

Please take our survey:  
[SurveyMonkey.com/r/7FXXDLD](https://SurveyMonkey.com/r/7FXXDLD)

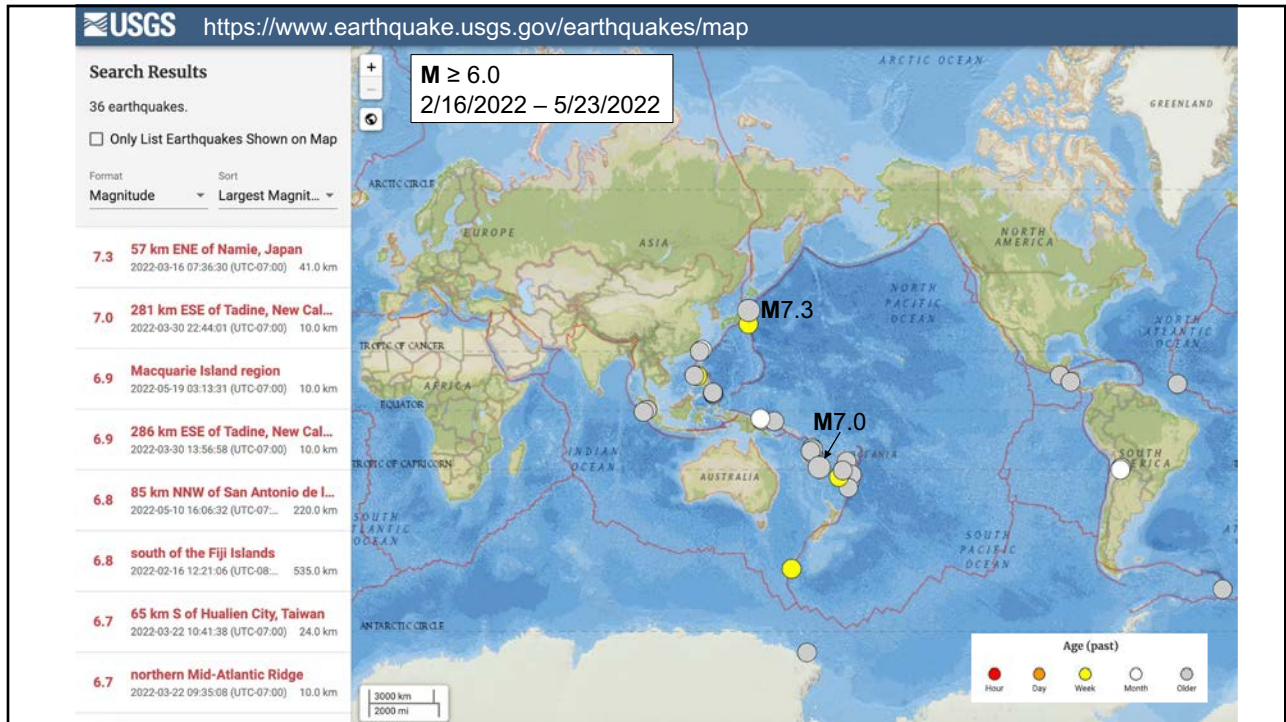
Questions?  
[info@earthquakecountry.org](mailto:info@earthquakecountry.org)

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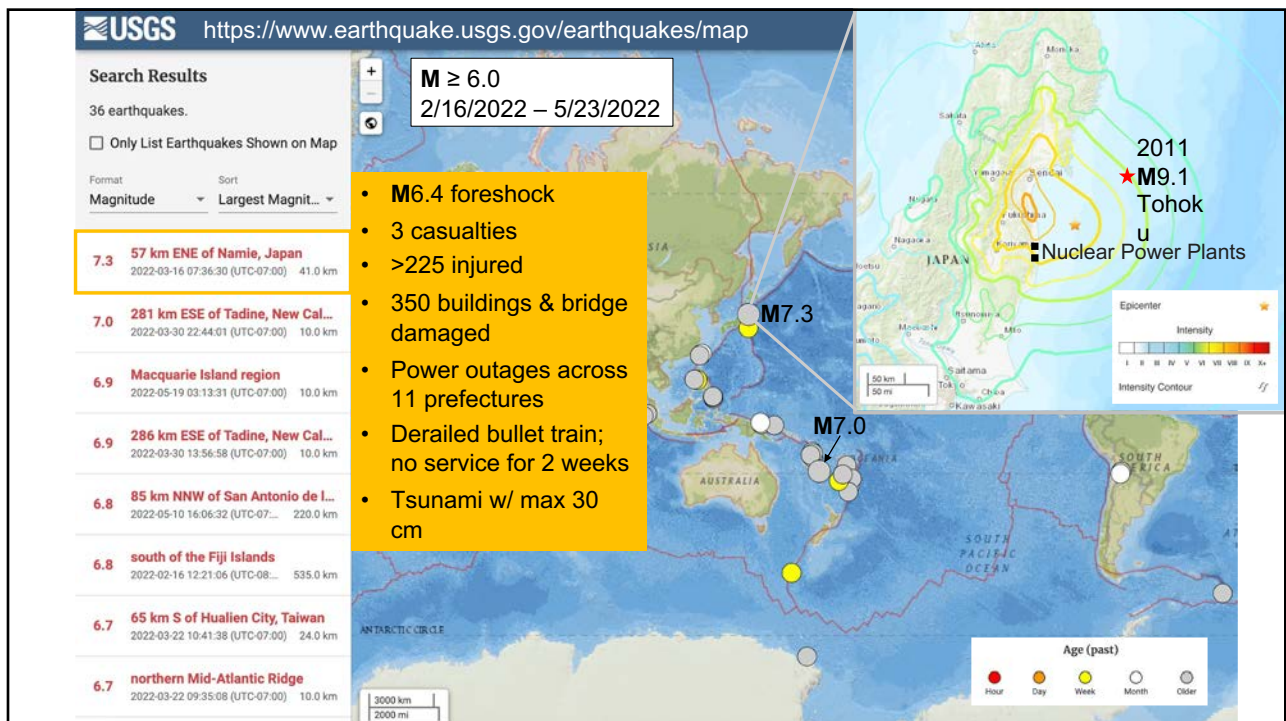
## ***Quakes Break: Bay Area Seismic Activity since last ECA Workshop***

***Dr. Josie Nevitt***  
United States Geological Survey (USGS)

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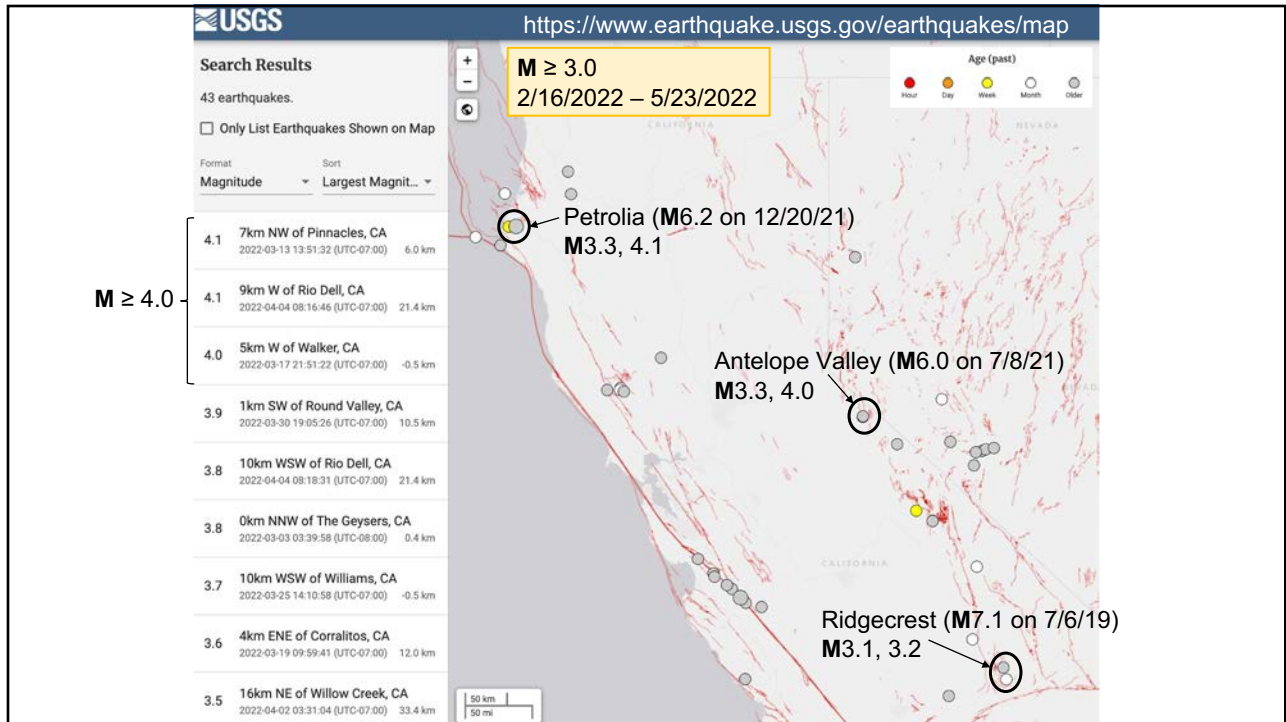


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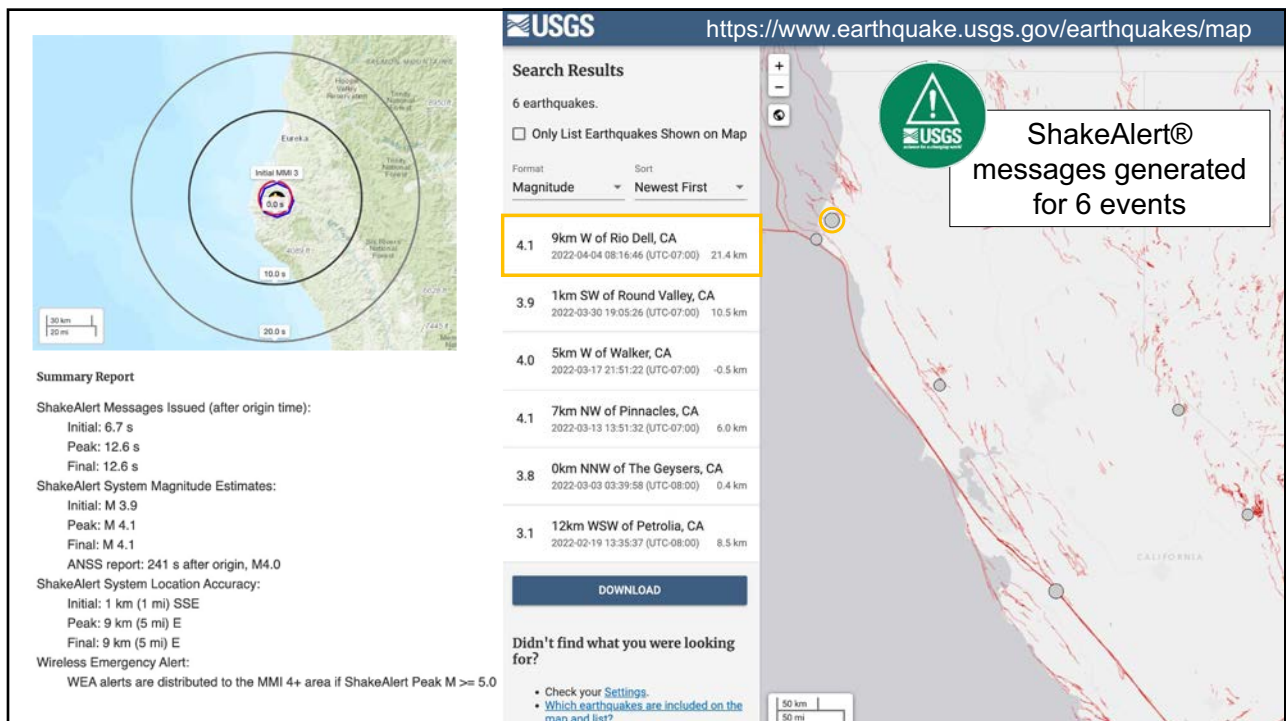


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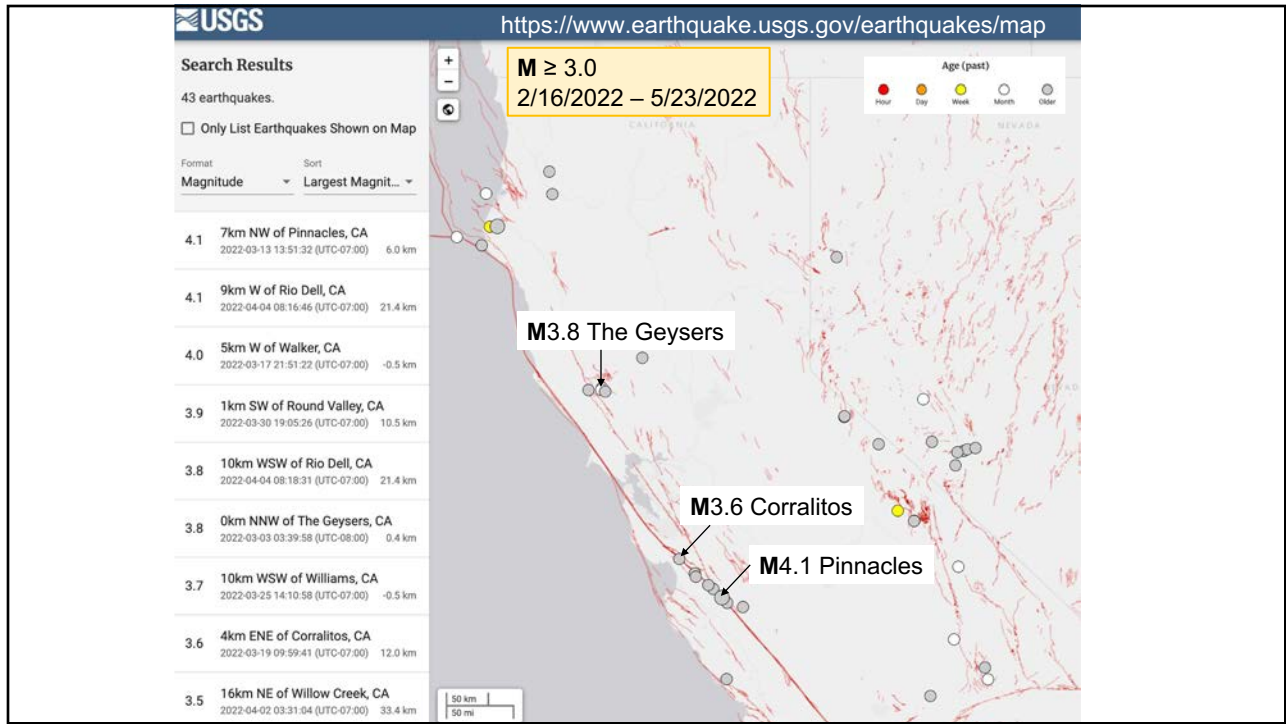




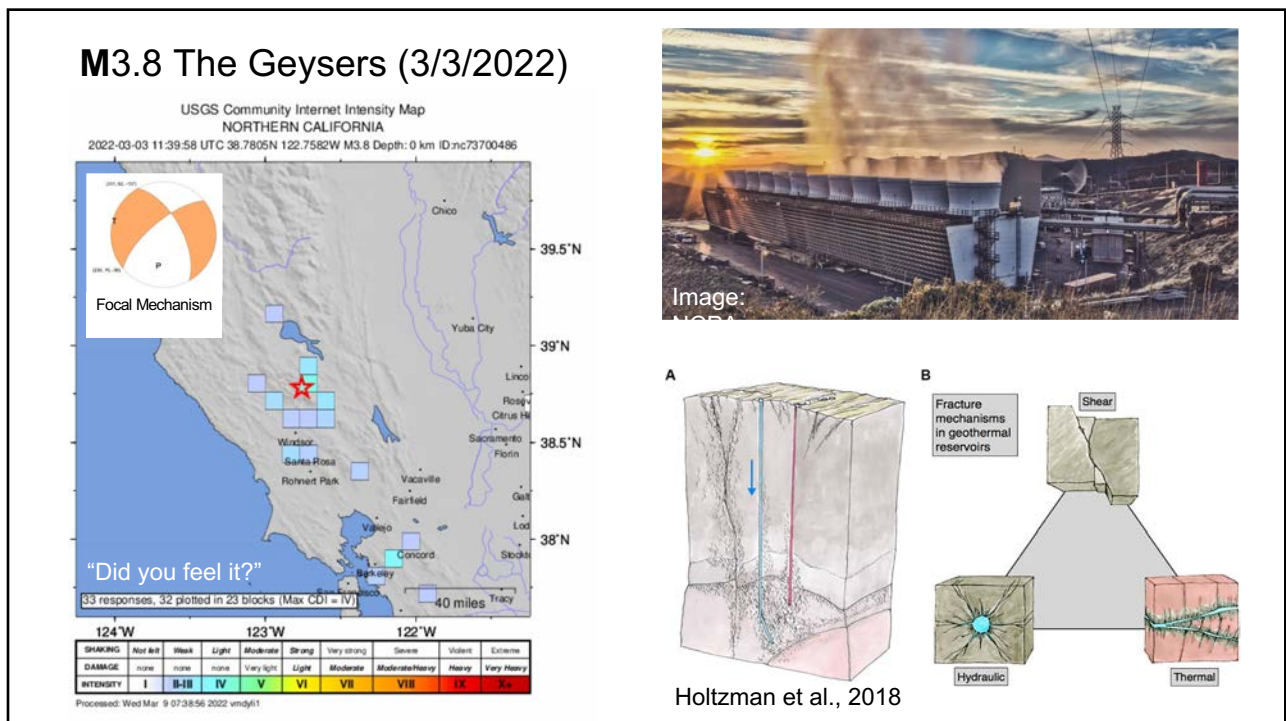
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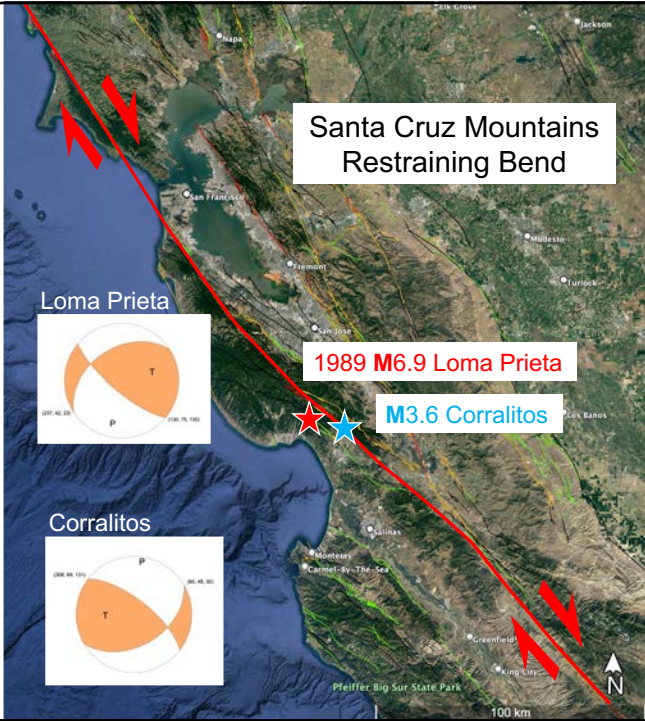
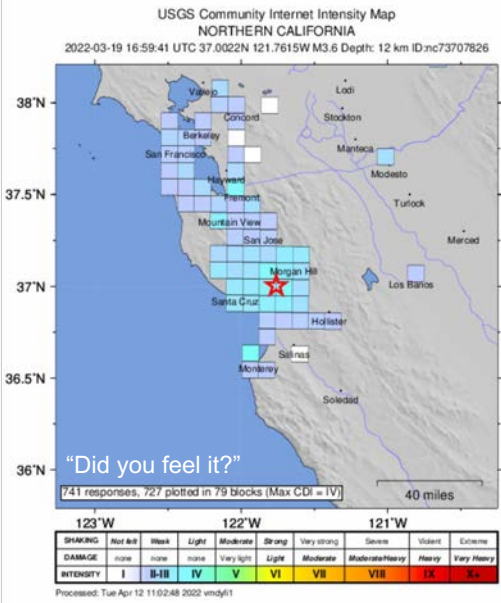


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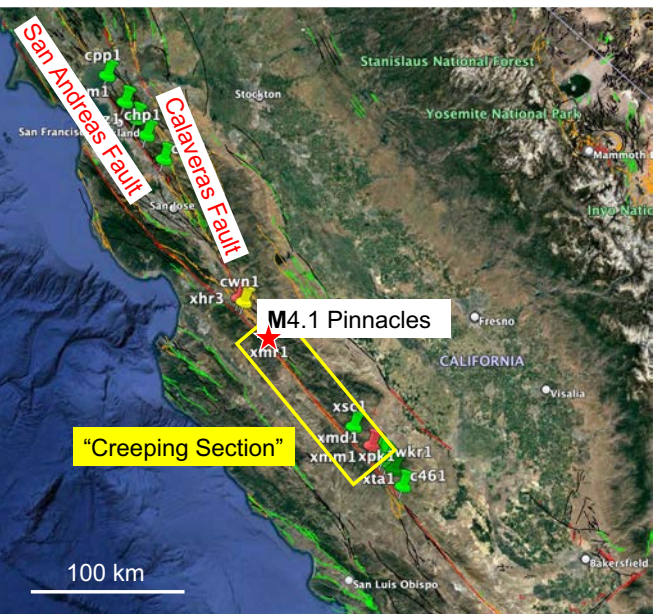
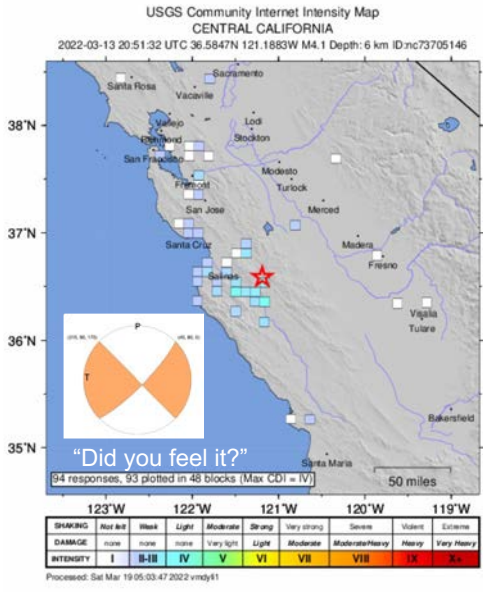
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### M3.6 Corralitos (3/19/2022)



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### M4.1 Pinnacles (3/13/2022)



Google Earth with Quaternary Faults from <https://www.usgs.gov/programs/earthquake-hazards/faults>

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USGS <https://earthquake.usgs.gov/monitoring/deformation/>

Earthquake Hazards Program

Monitoring

National Earthquake Information Center-NEIC  
 ANSS Advanced National Seismic System  
 USN Global Seismographic Network  
 Volunteer Monitoring  
 Seismogram Displays  
 NSRP National Strong Motion Project  
 Crustal Deformation Monitoring

Earthquakes  
 Hazards  
 Data  
 Education  
 Monitoring  
 Science

Search:

Search

### Crustal Deformation Monitoring

Geodetic methods are used to measure movement of the Earth's surface and strain in the upper few hundred meters of the Earth's crust. These data record subtle fault-related deformation of the Earth's crust that does not generate seismic waves as well as the rapid motion that occurs during earthquakes. Geodetic measurements have applications for seismic hazard assessment, earthquake early warning, earthquake likelihood monitoring, and research into underlying physical processes.

#### Geodetic Data

**Daily and Near Real-time Global Positioning System (GPS) Data**  
 Velocities, time series, and maps for stations observed with GPS in the western U.S.

**Real-time GPS Data**  
 High-rate GPS networks in the San Francisco Bay Area and Long Valley.

**Fault Creep, Borehole Strain, and Tiltmeter Monitoring Measurements**  
 Interactive maps and near real-time data from creepmeters, strainmeters, tiltmeters and other geophysical instruments.

**Alignment Array Data**  
 Creep rate measurements on San Francisco Bay Region faults updated annually. The [San Francisco State University Creep Project](#) division

**Legacy Networks**

**Two-color Electronic Distance Meter (EDM)**  
 Results from measuring changes in distances using a two-color EDM. Measurements were made in Parkfield, Long Valley, and Southern Cal

**Geodolite Data**  
 Measurements of the distance between pairs of benchmarks in surveying networks located in the central and western U.S. and Alaska. Data

**Region-specific Monitoring**

**Long Valley**  
 Long Valley, in eastern California, is the center of continuing volcanic activity and moderate earthquakes. Links to instrumental monitoring

**San Francisco Bay Area**  
 This page examines GPS along with creepmeter and strainmeter data that monitor deformation across the SF Bay region.

Questions or comments?

USGS <https://earthquake.usgs.gov/monitoring/deformation/>

Earthquake Hazards Program

### Crustal Deformation Data

Overview

Monitoring Instruments  
 Map of Instrument Sites

Data Plots  
 Download Data  
 Data Acquisition and Processing

Earthquakes  
 Hazards  
 Data & Products  
 Learn  
 Monitoring  
 Research

## Fault Creep, Borehole Strain, and Tiltmeter Monitoring Measurements

The USGS maintains a variety of fault and volcano monitoring sites around the western United States. Instruments at these sites include strainmeters, tiltmeters and creepmeters, as well as other environmental parameters such as temperature and barometric pressure.

The data are collected and monitored to help understand how, when, and why large earthquakes, fault slip and volcanic activity occur. The measurements provide a near real-time record of the related crustal deformation before, during and after events. The goal is to better understand these natural processes, and use these data to reduce the earthquake and volcanic hazards associated with them.

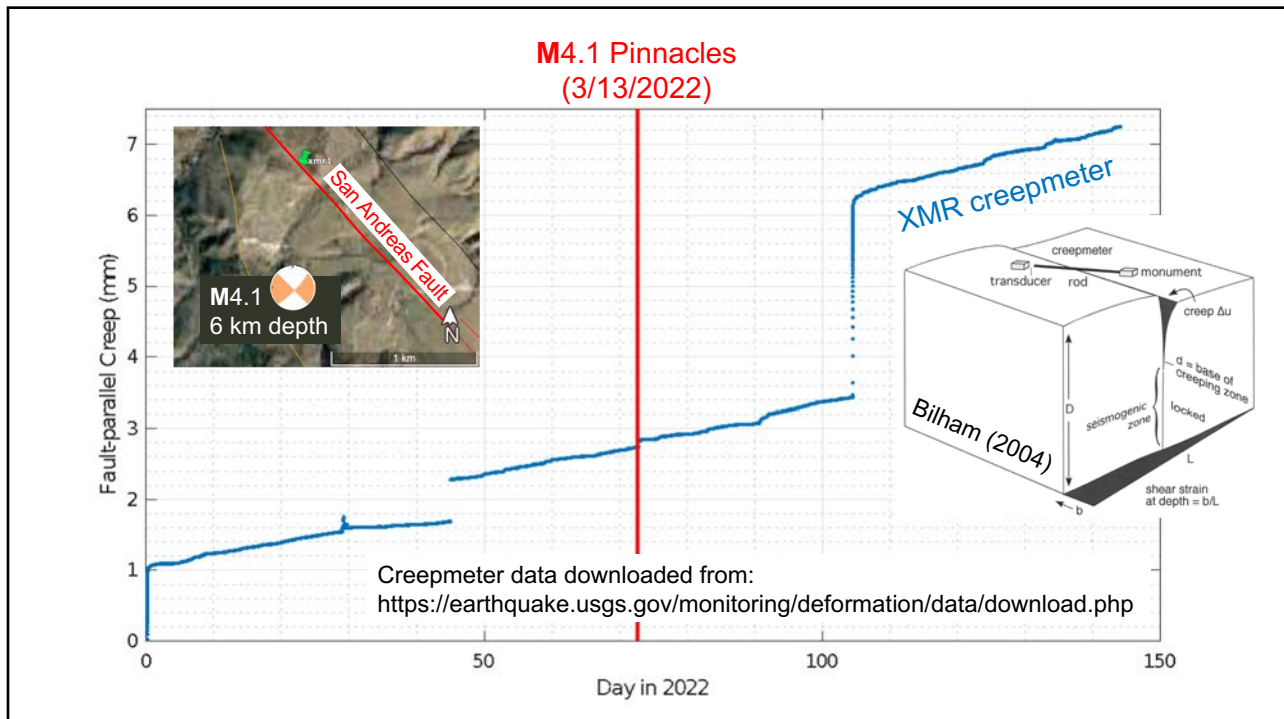
This web site provides [data plots](#) and [data downloads](#) for many instruments that are concentrated in areas where large earthquakes are likely to occur in California and areas of known volcanic activity. In particular, the USGS has concentrated instrumentation efforts in the San Francisco Bay Area, near San Juan Bautista and Parkfield, and the Long Valley, CA and Southern California regions.

The plots and data on this site are generated automatically and are not reviewed. They should not be used for engineering, legal, or any other critical applications.

Questions or comments?

Facebook Twitter Google+ Email

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# ECA Bay Area Mini Awards

## Program Overview &

## 2022 Recipient Presentations

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## 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
- **Pre-defined packages:** Sets of materials will be available, however you can also customize them or propose other items
- **2023 Awards:** Apply in Fall 2022

  
THE DISASTER SUPPLY PROFESSIONALS

**Secure WORKPLACE \$500 Package**

ITEM #	ITEM NAME	IMAGE	QUANTITY
4160-64	Furniture Strap		15
4740	File Cabinet Strap		15
5040	Bookcase Strap		15
4173	Home Electronics Safety Strap, Black		30
4338	A-Maze-ing Picture Hook, 4 Pack		10
4250	Kitchen & Cabinet Door Latch, 4 Pack		10
88111	QuakeHOLD! Museum Putty		10

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## 2022 ECA Bay Area Mini Awards

- San Mateo Consolidated Fire Department CERT (Sandra Firpo)
- United Policyholders (Emily Rogan)
- Inverness Disaster Council (Connie Morse)
- Eden I&R/211 Alameda County (Lars Eric Holm)
- MPC Ready (Lynne Bramlett)
- Oakland Firesafe Council (Jen Grimm)
- Young Adult Institute (Robert Maisonet)

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## San Mateo Consolidated Fire Department Community Emergency Response Team (CERT)



We serve the cities of **Belmont, Foster City,** and **San Mateo, CA**

Our CERT volunteers are “force multipliers” for our professional responders. Helping us build a culture of preparedness among our communities.

Our jurisdiction has a population of ~180,000 people. Our 790 CERT members live throughout our three cities.

**[www.smcfire.org/cert](http://www.smcfire.org/cert)**

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# Mini Award Overview

Map Your Neighborhood

**Our goal was two-fold:**

1. to have our CERTs look at their neighborhoods from a CERT perspective – **identify assets and hazards** which would be important in an emergency.
1. to make CERT more **visible** at the neighborhood level while inspiring **earthquake preparedness** activities among residents by providing information and resources.

Beneficiaries: Our trained **CERTs** and their **neighbors** throughout our three cities.

Project was active through the month of April. At the end, each CERT Neighborhood Leader turned in a “Master Workbook” with their data from their neighborhood.

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## Getting Ready!



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## Some Highlights

Finding many residents who are already CERT trained, but who haven't been active. Re-inspiring them to come back for refresher training and other activities.

Helping residents learn about free preparedness classes and events they can take advantage of:

- Get Ready - free basic preparedness class
- CPR / First Aid
- Firewise
- Disaster Prep Day coming up in our County

Our CERT volunteers were re-engaged and re-energized after two years of Zoom!

CERTs now have their own neighborhood map, with assets and hazards identified, for use in an emergency.

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# By the Numbers

16 Neighborhoods in 3 Cities  
~ 180,000 residents

178 residents spoken with about earthquake preparedness, resources, CERT

56 CERT volunteers participated



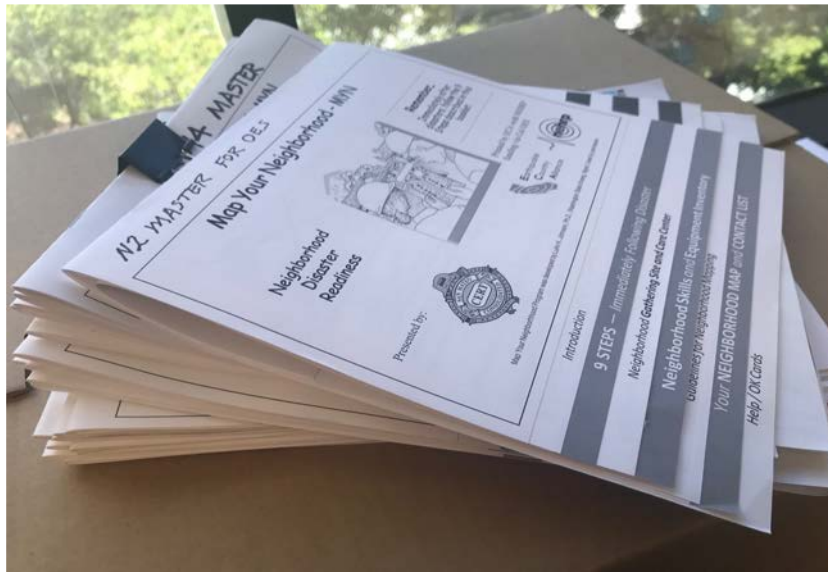
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## CERT volunteers in the field – Mapping their Neighborhood!



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**Thank you, Earthquake Country Alliance!!**



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## **San Mateo Consolidated Fire Dept. CERT**

Contact: **Sandra Firpo**  
CERT Program Manager

Email: [sfirpo@smcfire.org](mailto:sfirpo@smcfire.org)  
[Prepare@smcfire.org](mailto:Prepare@smcfire.org)

Website: [www.smcfire.org/cert](http://www.smcfire.org/cert)



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## United Policyholders

- UP is a 501c3 organization that serves as a voice and an information resource for insurance consumers in all 50 States. We do not sell or take money from insurance consumers.
- Our Three Programs:
  - Roadmap to Recovery™ - Helping people and businesses navigate insurance, repair and rebuilding challenges and restore assets after losses.
  - Roadmap to Preparedness - Guiding people and businesses on shopping wisely for insurance, reducing risk and being disaster prepared.
  - Advocacy and Action - Advancing and protecting policyholders interests and rights and helping solve insurance marketplace and claims problems.
- Emily Rogan, Senior Program Officer  
[Emily@uphelp.org](mailto:Emily@uphelp.org)  
[www.uphelp.org](http://www.uphelp.org)

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## Mini Award Overview

- \$500 to print color copies of UP / FEMA co-branded flyer – *Earthquakes Can Drain Your Bank Account*
- Goals: Leverage participation in current Spring preparedness fairs and presentations to distribute Earthquakes Can Drain Your Bank Account Handout
- Outreach plan: 1,000 flyers distributed
- 13 Events in 8 Counties – throughout April and May

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### EARTHQUAKES CAN DRAIN YOUR BANK ACCOUNT

PROTECT YOUR FINANCES TODAY TO BOUNCE BACK STRONGER TOMORROW

**PLAN FOR WHAT YOU CAN CONTROL**

Federal relief funds may not cover immediate costs.

Where would you go if an earthquake damages your home?

How would you pay for immediate costs like repairs or replacement housing?

**DID YOU KNOW?**

**\$250K** MAXIMUM SMALL BUSINESS ADMINISTRATION LOAN AMOUNT

**\$5K** AVERAGE FEMA INDIVIDUAL ASSISTANCE PAYOUT

**SET UP A SAFETY NET YOU CAN RELY ON**

**EARTHQUAKE INSURANCE**

**PARAMETRIC INSURANCE**

**INCOME**

**SAVINGS**

**TAKE STEPS NOW**

- Explore full insurance options or research partial coverage policies, e.g., parametric insurance.
- Add money to a savings account.

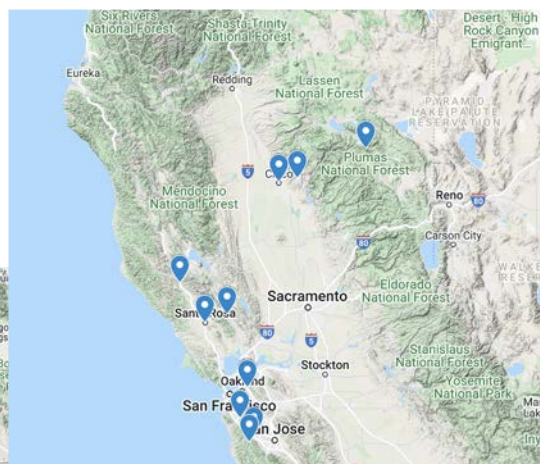
**CONTACT YOUR INSURANCE AGENT**

Earthquakes can be emotionally and financially devastating events for both renters and homeowners. Avoid dipping into your retirement or college savings to recover after an earthquake; buy insurance now.

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# Spring Roadmap to Preparedness Activities

**Handout Count:**  
 North Bay: 300  
 East Bay: 200  
 San Diego: 200  
 SF/ Peninsula: 150  
 Butte / Plumas: 150



## ECA Mini Grant Outreach

- 📍 Montclair Neighborhood Association
- 📍 Plumas County FSC Meeting
- 📍 Napa Fire Resource Fair
- 📍 Oakland Earth Day Preparedness Fair
- 📍 Los Altos Emergency Preparedness Fair
- 📍 Sonoma County Fire and Earthquake Safety ...
- 📍 Town of Paradise - Community Information ...
- 📍 Santa Rosa Wildfire Preparedness Event 2022
- 📍 Chico Preparedness Fair
- 📍 San Mateo Emergency Preparedness Fair
- 📍 South Skyline Community Emergency Planni...
- 📍 Olivenhain Community Wildfire Preparednes...
- 📍 Poway Emergency & Safety Fair

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# Thank you

For more information, visit: [www.uphelp.org](http://www.uphelp.org)

The screenshot shows the website's navigation menu with options: HOME, ABOUT, MEDIA, RECOVERY HELP, GET PREPARED, ADVOCACY, EVENTS, and SUPPORT UP. The main content area is titled 'BUYING TIPS' and includes a breadcrumb trail: Home » Buying Tips » Earthquake. Below this, there is a section for 'Earthquake' with a sub-section 'BUYING TIPS' containing five links: 'Is Earthquake Insurance Right For You?', 'Earthquake Insurance Shopping Resources for Homeowners', 'Earthquake Insurance for Renters', 'The Big One and the Big Question: Earthquake Insurance: To Buy or Not to Buy...?', and 'Mind the Gap - Do you need earthquake insurance?'. A 'HIDE' button is visible below the links. Another section, 'PREPAREDNESS ACTION STEPS / A DEEPER DIVE', contains five links: 'How to check an insurer's financial strength', 'Earthquake Insurance Shopping Guide', 'The Most Practical Ways to Prepare For An Earthquake', 'Picking a good insurance agent or broker', and 'How To Create A Home Inventory'. A 'HIDE' button is also present below these links. On the right side, there is a quote from Christopher and Linda, 2017 Tubbs Fire Victims, expressing gratitude for the support and assistance provided.

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## Inverness Disaster Council

- **Location** – Inverness, CA 50 miles N of San Francisco on Tomales Bay. The San Andreas Fault runs down the middle of Tomales Bay
- **Mission/purpose/overview** – To educate the community to care for itself and to assist the local First Responders. The Inverness Disaster Council was created in 1982 after a natural disaster (flood, debris flow). The IDC is organized under the direction of the Inverness Fire Department and Marin county Fire.
- **Primary audience/constituents/participants** – Inverness volunteer firefighters and the community.
- **Website address** – [www.invernesspud.org/inverness-disaster-council](http://www.invernesspud.org/inverness-disaster-council)
- **Main contact name** – Jim Fox, Fire Chief [jim.fox@invernesspud.org](mailto:jim.fox@invernesspud.org) Inverness Disaster Council – [idccs2022@gmail.com](mailto:idccs2022@gmail.com)

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## Mini Award Overview

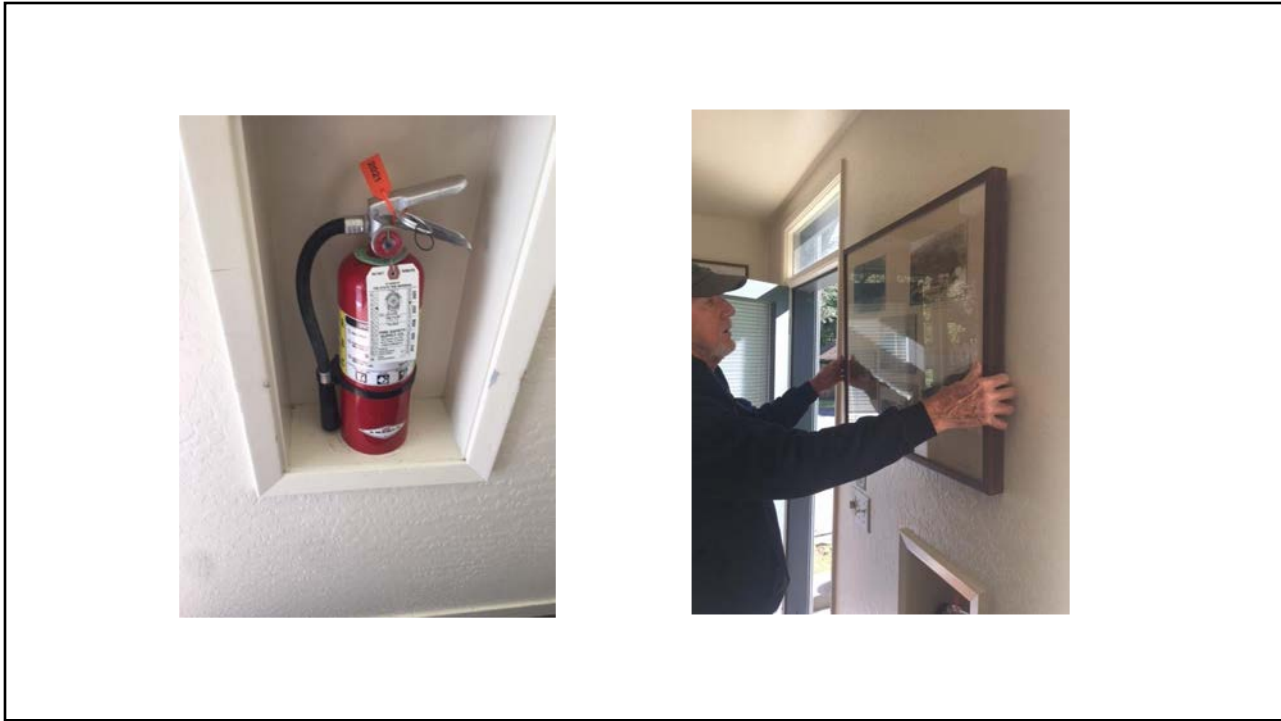
- **Project name/title** – Secure a Workplace / \$500grant
- **Project goals:** 1) The current firehouse and office have minimal earthquake protection. As it serves as the Incident Command during a disaster it need to be secure. 2) Community outreach – instructions for installation of earthquake safety equipment.
- **Brief description of items received** – furniture/file cabinet/bookcase straps; electronic safety straps; picture hooks, cabinet door latches, museum wax and putty; gas shut off wrenches
- **Beneficiaries (of this specific project)** – volunteer firefighters and the community at large who benefit from having safety for our firefighters to do their work
- **Evaluation plan** – biweekly reports to Sharon Sandow and Inverness Fire Chief

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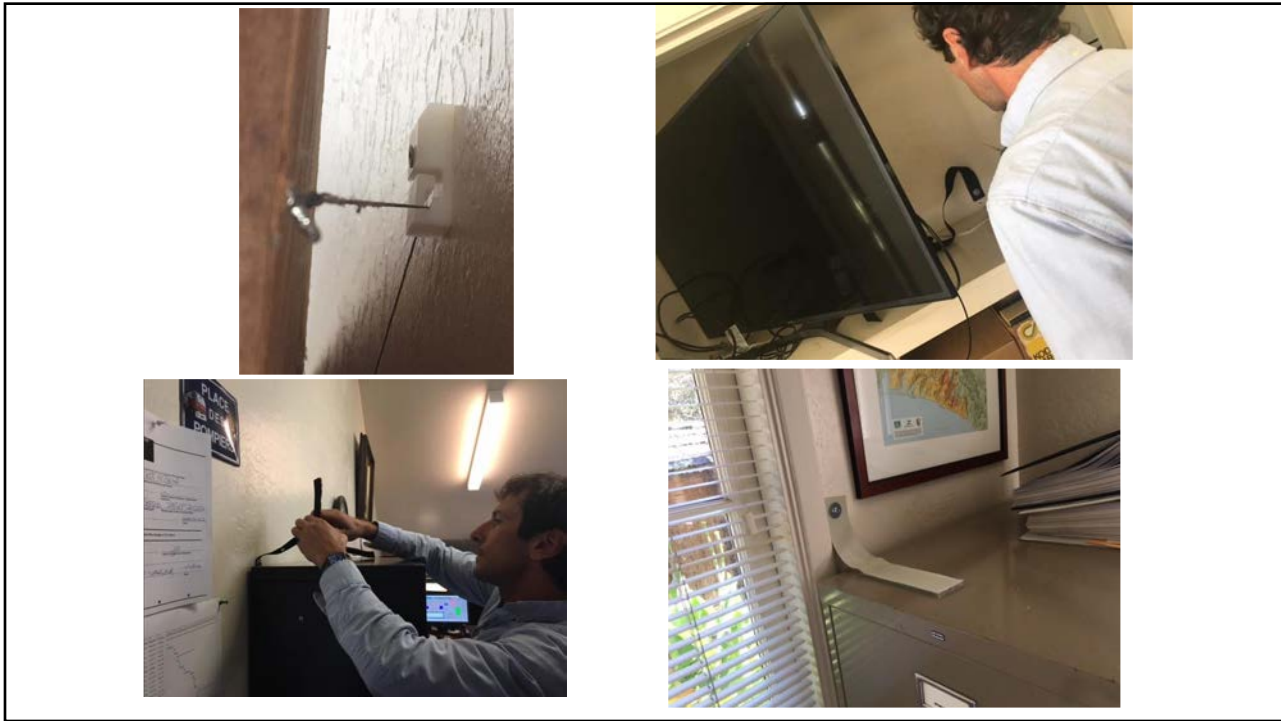
## Mini Award Status

- **Highlights of activity so far** – Volunteer firefighters and the community working together. Was a collaborative effort!
- **Lessons learned or expected** –
  1. The ease of installing the QuakeHold products
  2. As needs change this will be an ongoing project to secure all spaces

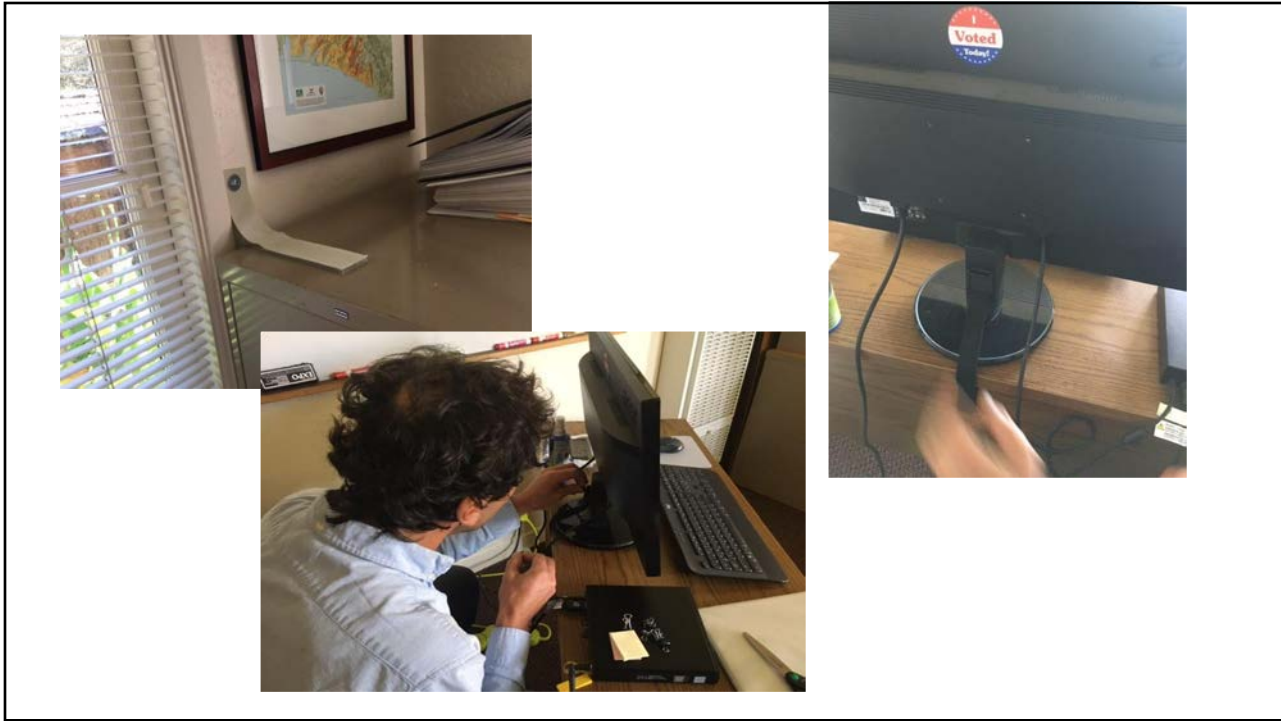
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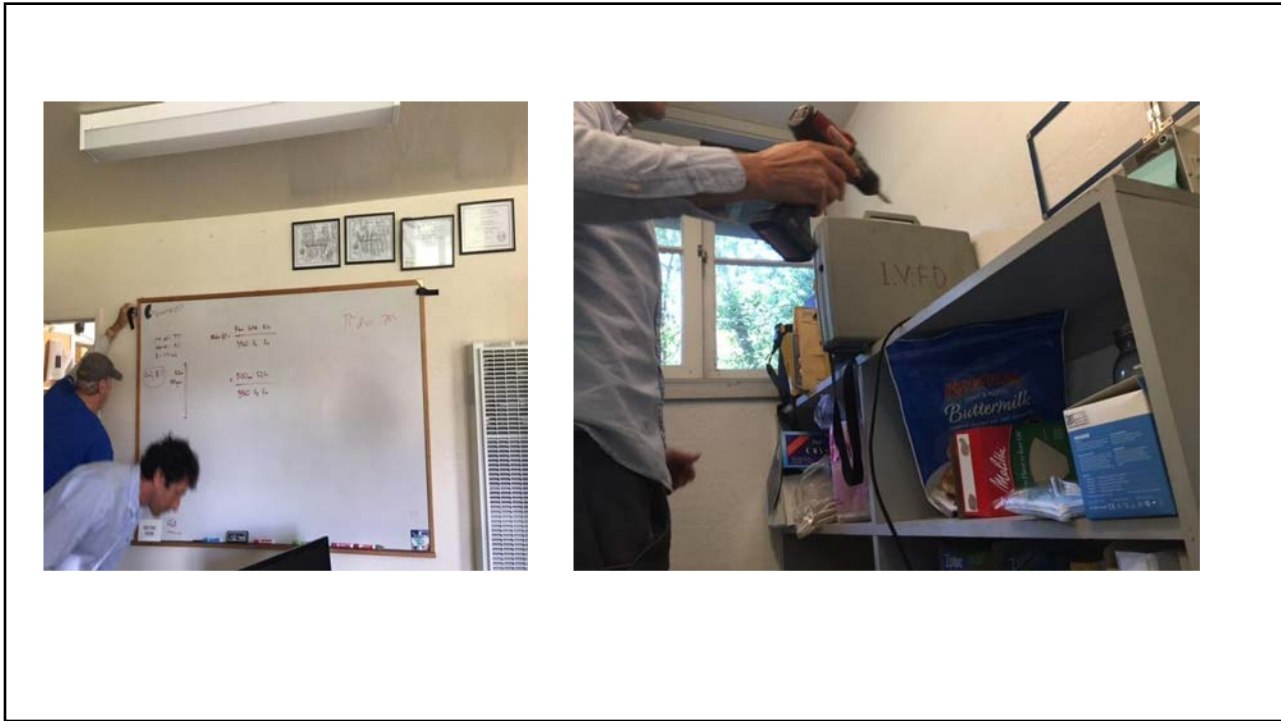
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## Eden I&R / 211 Alameda County

- Hayward California (Alameda County, Bay Area)
- We envision a community empowered with information and connected to resources, so that all people obtain health, happiness, hope, and improved livelihoods.
- [www.EdenIR.org](http://www.EdenIR.org)



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## Mini Award Overview

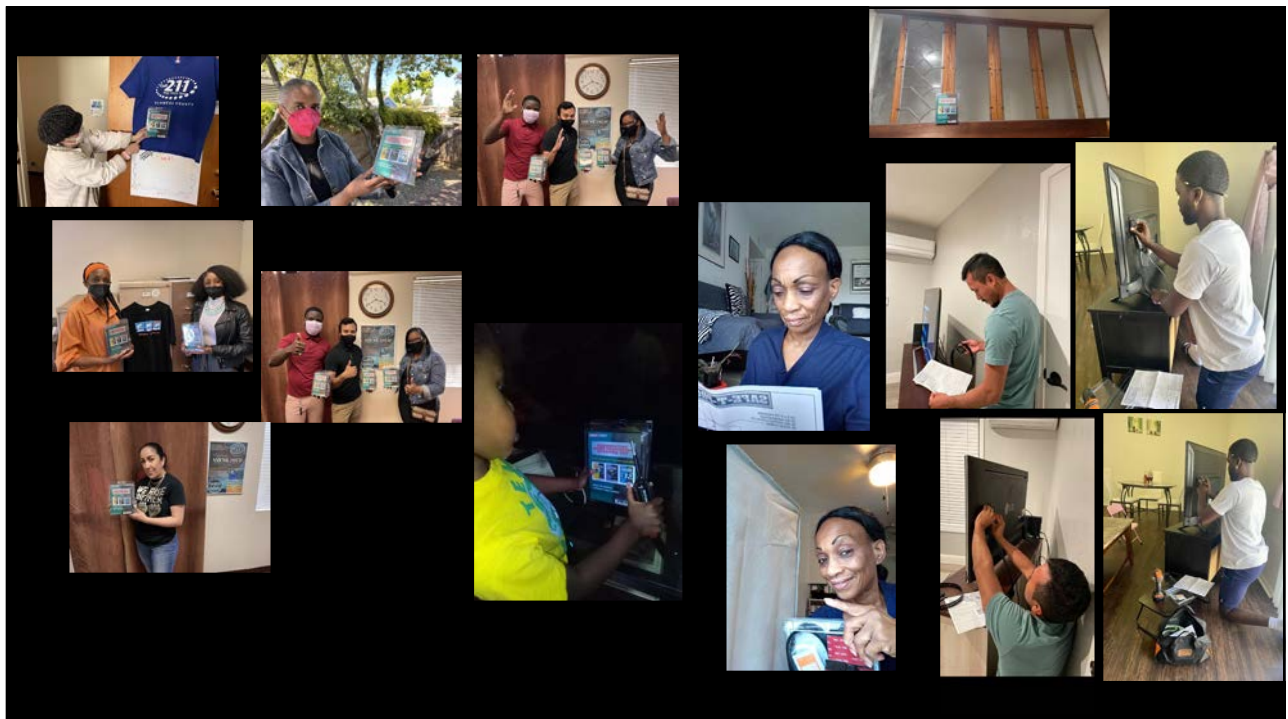
- **Project name/title** –“Working from Home Safely”
- **Project goals:** To establish a similar level of safety that we have in the office, now that our staff have been working from home, for themselves and their families. This is important given that even once we begin returning to the office in June of 2022, we are going to continue the hybrid model.
- **Brief description of items received** – 40 “earthquake safety home kits”
- **Beneficiaries (of this specific project)** –  
Directly:Eden I&R Staff, primarily, but not exclusively our CRS (Community Resource Specialists).  
Indirectly: everyone who contacts 211 for help.
- **Evaluation plan** – Kits are labeled, and a spreadsheet of all staff tracks who has the kits, who has installed, etc.

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# Mini Award Status

- Since we are still working offsite for almost all staff, getting the kits to staff has proven a bit harder than anticipated: I was intending to deliver for those who could not pick up, but alas, car trouble prevented this.
- However, despite this, we are about a 1/3 of the way through.
- Learned that staff are a bit camera shy!
- This turned out to be a great teaching opportunity: One staff member had *no* idea that hardware for earthquake safety existed, and two new staff members learned about the Great Shakeout for the first time.

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# Contact Information

Lars Eric Holm  
Disaster Preparedness Coordinator  
Eden I&R / 211 Alameda County  
510.727.9516

[leholm@edenir.org](mailto:leholm@edenir.org)



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**positive,**  
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**diverse,**  
**easy,**  
**and fun**

disaster preparedness trainings for all!

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# MPC Ready

Knowing neighbors is THE cornerstone of disaster preparedness.

**LOCATION:** City of Menlo Park (and unincorporated county areas within Menlo Park)

**MISSION:** The MPC Ready organization's mission is to work collaboratively to help build disaster prepared, and climate-change ready, neighborhoods through advocacy, education and training, resources, organization and support.

**Primary audience/constituents/participants:** Residents who organize prepared neighborhoods.

[www.mpcready.org](http://www.mpcready.org)

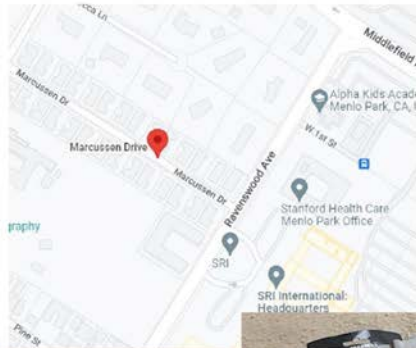
Lynne Bramlett, Founding Member & Director,  
[lynne.e.Bramlett@gmail.com](mailto:lynne.e.Bramlett@gmail.com) or (650) 380-3028.



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# Mini Award Overview

- Marcussen Drive Earthquake Proofing "Barn Raising" Pilot.
- Marcussen Drive – a street with about 50 duplexes, many families with small children, and renters.
- Received 10 Earthquake Proofing Kits
- **Beneficiaries** – 10 families living on Marcussen Drive who participate in the parallel Marcussen Emergency Response Team training
- **Evaluation plan:** Actual installations, progress reported to on-site Neighborhood Coordinators & their assessment



# Mini Award Status

## Highlights:

- Marcussen Drive lead's creativity and effort
- Home "school project"

## Lessons learned:

- Day-of work "barn-raising" idea not practical for strapping TVs and heavy furniture
- Renters reluctant to put holes in walls
- Professional help & stud finder tool needed
- Professional help needed
- Work with local hardware store to expand idea!





## Home School Project

following visit to SF Exploratorium Earthquake Exhibit!

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## Oakland Firesafe Council



- OFSC is a grassroots, community-based non-profit dedicated to mobilizing the people of Oakland to reduce the risks of wildfire (and other disasters) through outreach, programs, and projects
- [OaklandFireSafeCouncil.org](http://OaklandFireSafeCouncil.org)
- Doug Mosher, Program Manager  
[info@oaklandcpandr.org](mailto:info@oaklandcpandr.org)  
510-575-0916

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## Mini Award Overview



- Oakland Community Preparedness and Response (OCP&R) outreach tabling
- This program of the Oakland Firesafe Council strives to raise awareness and help residents become better prepared for disasters (earthquake/wildfire/tsunami), power outages, or other emergencies
- [OaklandCPandR.org](http://OaklandCPandR.org)
- Rocket Rules activity booklets and Rocket Rules story booklets, both in English and Spanish
- Residents of Oakland - mainly children, parents (and the young at heart)

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## Mini Award Status

- The booklets were added to our wide variety of printed disaster preparedness materials and distributed at recent events for Earth Day, a Firefighters Appreciation Day, and a Community Neighborhood Gathering. A few stacks were given to the City of Oakland's Emergency Services Management Division for distribution at upcoming appearances throughout the city.
- Having materials geared for children is useful way to draw people with kids to the table. The unknown part is what engagement happens with the books once they get home. Do kids absorb what the content is really about? Do parents take time to explain anything to kids?



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# Q&A

Please ask questions in the chat tool.

The recording of today's webinar will be available next week at:  
[EarthquakeCountry.org/bayarea](http://EarthquakeCountry.org/bayarea)

To be notified of future events and recordings, join ECA (free!):  
[EarthquakeCountry.org/join](http://EarthquakeCountry.org/join)

Please take our survey:  
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Questions?  
[info@earthquakecountry.org](mailto:info@earthquakecountry.org)

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**Mitigation Moment:**  
FEMA Earthquake Mitigation Opportunities

**Anne Rosinski**  
FEMA Region IX

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**FEMA Earthquake Mitigation  
Opportunities**

Earthquake Country Alliance  
Anne Rosinski, EG Region 9 | 2022



**FEMA**

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## FEMA Funding via State Hazard Mitigation Officer (SHMO)

### Building Resilient Infrastructure and Communities (BRIC)

- Nationally Competitive
- Pre-Disaster
- State/Tribe is applicant  
County/City/Jurisdiction is sub-applicant

### Hazard Mitigation Grant Program (HMGP)

- State sets priorities
- “post-disaster”
- Jurisdiction is applicant  
Local community may apply on behalf of homeowners and businesses

Check your State’s Emergency Management site for application deadlines



Federal Emergency Management Agency

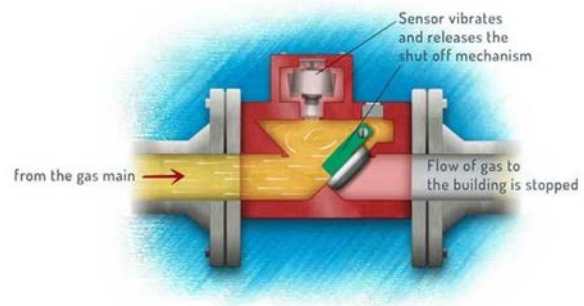
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## FEMA Funds Seismic Retrofits

- **Retrofitting**  
Roof, wall, foundations
- **Seismic Bracing**  
Flexible pipe and sprinkler connections  
Tie-downs  
Suspended Ceilings
- **Shutoff Valves**  
Gas  
Water

Cutaway View of a Horizontal Valve - During Earthquake



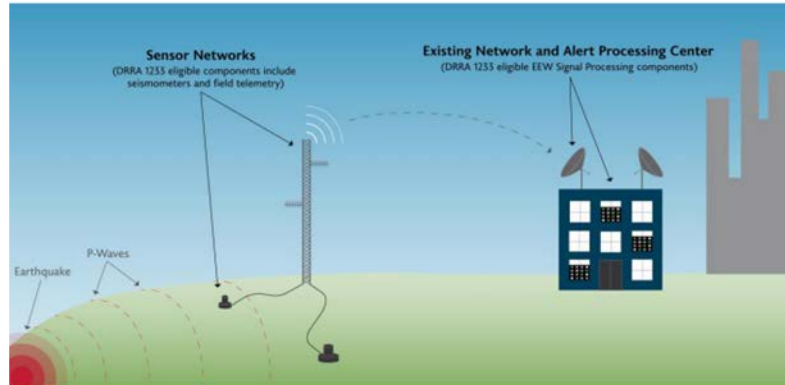
Federal Emergency Management Agency

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## FEMA funds Earthquake Early Warning

- Regional Seismic Networks
- Geodetic Networks
- Seismometers, GPS, and signal processing



Federal Emergency Management Agency

84<sub>84</sub>

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## Contact Information

Anne Rosinski  
Earthquake Program Manager, FEMA Region IX  
[Anne.rosinski@fema.dhs.gov](mailto:Anne.rosinski@fema.dhs.gov)



# FEMA

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Questions?  
[info@earthquakecountry.org](mailto:info@earthquakecountry.org)

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# Short Announcements

Please take our brief survey about today's workshop:  
[SurveyMonkey.com/r/7FXXDLD](https://SurveyMonkey.com/r/7FXXDLD)

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# Open Discussion & Networking

Please take our brief survey about today's workshop:  
[SurveyMonkey.com/r/7FXXDLD](https://www.surveymonkey.com/r/7FXXDLD)

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## Connect with ECA Bay Area

- [EarthquakeCountry.org/bayarea](https://EarthquakeCountry.org/bayarea)
- [bayarea@earthquakecountry.org](mailto:bayarea@earthquakecountry.org)
- [Terremotos.org](https://Terremotos.org)
- [Twitter.com/eca](https://Twitter.com/eca)
- [info@earthquakecountry.org](mailto:info@earthquakecountry.org)



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