



CITY COUNCIL AGENDA REPORT

Meeting Date: October 17, 2024
From: Director of Public Works/City Engineer
Subject: Update on Earthquake Preparedness

Community Goal/Result: Safe Community

Recommendation: Receive the update

Background

The Earthquake Country Alliance (ECA) in partnership with the Statewide California Earthquake Center, annually sponsors a “Shakeout” to motivate individuals, businesses and government to prepare for the inevitable seismic event. The city does not participate in this event as an active scenario member, but with full credit given to the original author of the attached (ECA), we are sharing the useful information provided by the Shakeout sponsors..

Attachments

1. Slide deck on earthquake safety

R.L. Breault


Randy Breault, Public Works Director

Jeremy Dennis


Jeremy Dennis, City Manager

Seven Steps To Earthquake Safety


1. Secure Your Space




2. Plan To Be Safe



3. Organize Supplies



4. Minimize Financial Hardship




5. Drop, Cover, and Hold On



6. Improve Safety



7. Reconnect and Restore



BEFORE

DURING

AFTER

EarthquakeCountry.org/sevensteps

Terremotos.org/sietepasos

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[illegible]

Plan Your Response: Extinguish Small Fires

- Get a fire extinguisher for your home.
- Your local fire department can train you and your family to use it properly.



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?

Step 3: Organize Emergency Supplies
The Seven Steps to Earthquake Safety

It may be easier and cheaper than you think to organize emergency supplies in convenient locations. This is not just about "having a kit." It includes supplies specific to you, such as medications, eyeglasses, clothing, shoes, toiletries, and more. This is in addition to the basic supplies everyone should have (cash, food, first aid, flashlight, radio, etc.).

The chart below can help you customize supplies for when and where you need them: **under-bed bag** (immediate supplies), **evacuation** ("go-bag" - 3 days), **home** (2 weeks), and perhaps at **work** and in your **car**. Choose what makes the most sense based on your needs and budget. Learn more at EarthquakeCountry.org/step3.

Under-Bed Bag	Go-Bag	Home	Work	Car	Home
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clothing, shoes, hat, hat / beanie, gloves
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vehicle
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flashlight / headlamp
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	First aid kit and supplies
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cash / coins
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Back (for work, school, outdoor work)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Connect with family, not at work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Copy of ID / important documents
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Batteries, battery pack, 8 charging cables
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prescriptions / copies of prescriptions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Personal and emergency supplies
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water and food (keep short list)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Personal notes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools (screwdriver, pliers, hammer, etc.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maps (print and digital)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	First aid kit (band-aids, gauze, etc.)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other / special items, supplies
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Personal notes, emergency supplies, etc.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flashlight / headlamp
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Personal items

Choose what makes sense for you and where to keep it.


Logos: FEMA, NCEM, NCEM, NCEM

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EarthquakeCountry.org/step3

Under-Bed Bags

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



Prevents...

- Cut feet and hands
- Tripping over objects

Allows you to...

- Open jammed doors
- Help injured

-

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- Cut feet and hands
- Tripping over objects

Allows you to...


- Open jammed doors
- Help injured

Why Drop, Cover, and Hold On?


- Strong consensus for many years, based on data for how people are injured, and experience of Urban Search and Rescue firefighters
- Prevents being thrown to the ground
- Reduces injury from falling or flying items... including structural elements and exterior façades (brick, glass, etc.)
- Increases chance of surviving collapse




Classroom in Calexico, CA
April 2010 M7.2



DROP!



COVER!



HOLD ON!

EarthquakeCountry.org/step5
ShakeOut.org/dropcoverholdon

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Classroom in Calexico, CA
April 2010 M7.2



EarthquakeCountry.org/step5
ShakeOut.org/dropcoverholdon

Know How to Protect Yourself

In *most* situations and building types:



Drop on to your hands and knees, where you are



See [EarthquakeCountry.org/step5](https://www.EarthquakeCountry.org/step5) for advice for a variety of settings

Know How to Protect Yourself

In *most* situations and building types:



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*



See [EarthquakeCountry.org/step5](https://www.EarthquakeCountry.org/step5) for advice for a variety of settings

Know How to Protect Yourself

In *most* situations and building types:



Hold On to your shelter until shaking stops

- Be ready to move with your shelter
- *If not under a shelter*, hold on to your head/neck with both arms and hands



See [EarthquakeCountry.org/step5](https://www.EarthquakeCountry.org/step5) for advice for a variety of settings

Adapt to Your Situation

- Don't drop down, if you can't get back up
- Practice your preferred method with others who assist you
- [EarthquakeCountry.org/accessibility](https://www.EarthquakeCountry.org/accessibility)

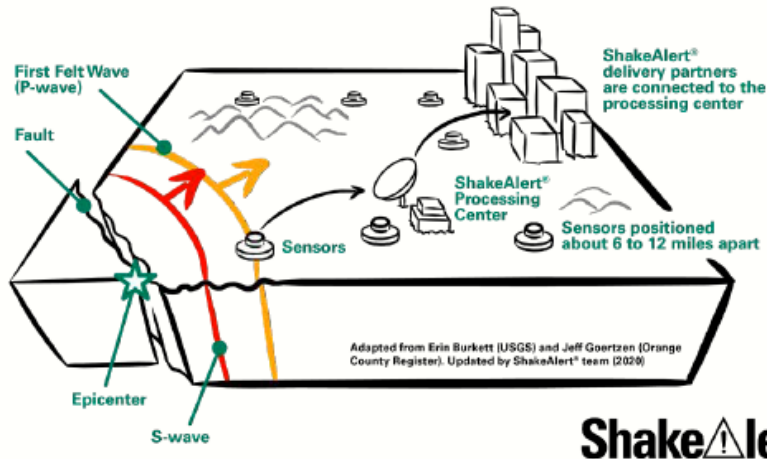
If You Feel Shaking or Get an Alert:



[EarthquakeCountry.org/step5](https://www.EarthquakeCountry.org/step5)

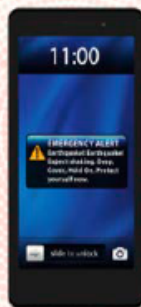
Earthquake Early Warning

- Detects an earthquake as it begins
- Rapidly estimates ground-motion patterns
- Issues alerts to locations expected to experience significant shaking



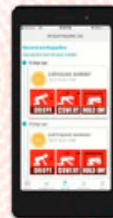
Earthquake Warning California

Earthquake Early Warnings
Now Available through Wireless
Emergency Alerts (WEA)

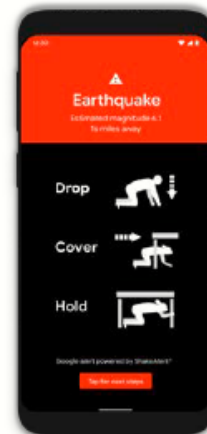


Magnitude = 5 or greater
and
Intensity at your location =
greater than IV

Download the **MyShake™**
Earthquake Early Warning App.



Magnitude = 4.5 or greater
and
Intensity at your location =
greater than III



Magnitude = 4.5 or greater
and
Intensity at your location =
greater than III

earthquake.ca.gov