

2012 Statewide Media Kit

additional resources also at <u>www.shakeout.org/califonia/media/resources</u>

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ShakeOut General Email:

info@shakeout.org

Statewide Media Inquiries:

D'Anne Ousley (916) 325-3845; Cell (916) 769-5766; <u>ousleyd@calquake.com</u> Greg Renick (562) 795-2941; Cell (562) 577-8503; <u>Gregory.Renick@calema.ca.gov</u> Lance Webster (213) 321-2104; <u>mediarelations@shakeout.org</u>

Additional Local Contacts:

Humboldt County: Jared Petroske (707) 826-3392; jarad.petroske@humboldt.edu
Los Angeles: Margaret Vinci (626) 395-3298; mvinci@gps.caltech.edu and
Ken Kondo (213) 792-5128; kkondo@ceooem.lacounty.gov
San Bernardino: Michael Ramirez (909) 356-3965; michael.ramirez@oes.sbcounty
San Diego: Yvette Urea Moe (858) 565-5502; Yvette.UrreaMoe@sdcounty.ca.gov
San Francisco/Bay Area: Kristin Hogan, (415) 487-5016; Kristin.hogan@sfgov.org,
Susan Garcia, (650) 329-4668; Cell: (650) 346-0998; garcia@usgs.org, and
Thor Poulsen, (510) 583-4948; thor.poulsen@hayward-ca.gov



Useful Websites

- <u>www.shakeout.org</u>: Worldwide home page with links to all Official ShakeOut Regions
- www.shakeout.org/california: How to participate in California's annual statewide earthquake drill, with extensive drill planning, preparedness resources and participation statistics.
- <u>www.earthquake.usgs.gov</u>: Recent earthquake information and educational resources
- www.calema.ca.gov/preparedness: Earthquake, tsunami and general preparedness.
- myhazards.calema.ca.gov: Interactive map of natural hazards in your neighborhood.
- www.cisn.org: Recent earthquake information and maps.
- www.scec.org/ucerf: Probabilities of earthquakes in California.
- www.tsunami.ca.gov: Tsunami inundation map links; preparedness information.
- www.earthquakeauthority.com: CEA Earthquake insurance information.
- www.earthquakecountry.org: Extensive information, videos, publications, and links
- www.terremotos.org: Earthquake information in Spanish.
- www.earthquakecountry.org/dropcoverholdon: Special report on what to do during earthquakes.
- www.dropcoverandholdon.org: Drop, Cover & Hold On website (and "Beat the Quake" game).



Key experts by areas of expertise

THE GREAT CALIFORNIA SHAKEOUT

Mark Benthien, Executive Director, Earthquake Country Alliance (at SCEC), 213-926-1683 ShakeOut / Drop, Cover, & Hold On / Earthquake Science

Kate Long, Earthquake Program Research Specialist, CalEMA, 626-252-7517 ShakeOut / Earthquake science / Drop, Cover, & Hold On

Margaret Vinci, Manager, Office of Earthquake Programs, Cal Tech, 626-840-3005 ShakeOut / Online earthquake tools / Business preparedness & continuity / Disaster Preparedness / Earthquake Science / San Andreas Fault scenario

D'Anne Ousley, Media Specialist, California Earthquake Authority, 916-325-3845 ShakeOut / Earthquake insurance

DROP, COVER & HOLD ON

Mark Benthien, Executive Director, Earthquake Country Alliance (at SCEC), 213-926-1683|*Drop, Cover*, & *Hold On / ShakeOut / Earthquake Science*

Dr. Kim Shoaf, UCLA Public Health, 310-794-0864 *Studies how people are injured during earthquakes*

Stacy Gerlich, CERT Commander, Los Angeles Fire Department, 818-756-9674 *Drop, Cover, & Hold On / Community preparedness*

Kate Long, Earthquake Program Research Specialist, CalEMA, 626-252-7517 *Drop, Cover, & Hold On / ShakeOut*

Dr. Lori Dengler, Professor, Humboldt State & CalEMA Tsunami Advisor, 707-826-3115 *Drop, Cover, & Hold On / Tsunamis / Earthquake science*

EARTHQUAKE INSURANCE

Glenn Pomeroy, CEO, California Earthquake Authority, 916-325-3845 Information about CEA earthquake insurance policies

D'Anne Ousley, Media Specialist, California Earthquake Authority, 916-325-3845 *Earthquake insurance / ShakeOut*



EARTHQUAKE SCIENCE

Lucy Jones, Seismologist, U.S. Geological Survey, 626-583-7817 *Hazards science, Earthquake forecasting, Disaster impacts*

Ken Hudnut, Ph.D. Geophysicist, U.S. Geological Survey, 626-583-7232 *Earthquake science / ShakeOut*

Dr. Lori Dengler, Professor, Humboldt State & CalEMA Tsunami Advisor, 707-826-3115 *Earthquake science / Drop, Cover, & Hold On / Tsunamis*

Kathleen Springer, Senior Curator of Geological Sciences, San Bernardino County Museum, 909-218-0866 (Cell). Earthquake science / Drop, Cover & Hold On / ShakeOut / Museum Interpretation

Mark Benthien, Executive Director, Earthquake Country Alliance (at SCEC), 213-926-1683 *Earthquake Science / Drop, Cover, & Hold On / ShakeOut*

PREPAREDNESS

Thor Poulsen, Public Education Officer, Hayward Fire Department, 510-583-4948 *Personal preparedness / What to do before, during and after the shaking stops*

Mark Benthien, Executive Director, Earthquake Country Alliance (at SCEC), 213-926-1683 *Earthquake Science / Drop, Cover, & Hold On / ShakeOut*

Kelly Huston, Ass't. Secretary for Public & Crisis Communication, CalEMA, 916-607-7657 *How prepared Californians are / The TotallyUnprepared.com campaign*

Stacy Gerlich, CERT Commander, Los Angeles Fire Department, 818-756-9674 *Community preparedness / Drop, Cover, & Hold On*

Margaret Vinci, Manager, Office of Earthquake Programs, Cal Tech, 626-840-3005 ShakeOut / Online earthquake tools / Business preparedness & continuity / Disaster Preparedness / San Andreas Fault scenario

Chris Ipsen, Public Information Officer, L.A. Emergency Management Office, 213-359-2234 *Preparedness / ShakeOut / Drop, Cover & Hold On (Spanish language)*

TSUNAMIS

Dr. Lori Dengler, Professor, Humboldt State & CalEMA Tsunami Advisor, 707-826-3115 *Tsunamis / Earthquake science / Drop, Cover, & Hold On*

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ShakeOut PSA - 1 (60 seconds)

Are YOU registered for the Great California ShakeOut? It's the largest earthquake drill in history and a great way to get ready for the next "Big One." Find out how to prepare, what to do when the shaking starts, and how to survive and recover in the aftermath.

The ShakeOut Drill is for everyone...wherever you are.... in school, at work, in your car, at home. More than 9 million people statewide will practice how to "Drop, Cover, and Hold On" at 10:18am on October 18. Participation is free, and you are urged to register today, and then participate on the 18th. Visit shakeout.org/California to learn more and register for this historic drill. After you register, review information on the site about how to prepare to survive and recover from the next major earthquake. Then take part in the Great California ShakeOut, on 10/18 at 10:18 a.m.

ShakeOut PSA - 2 (45 seconds)

Are YOU prepared for the next big earthquake? You could be at work, at home, in school, or in your car. Do you know what to do when the shaking starts? Do you have a plan to survive the quake and recover in the aftermath? Have you stored extra water? How will you communicate with your family? A great way to start answering these questions is to participate in the Great California ShakeOut, the world's largest earthquake drill! Go to <u>ShakeOut.org/california</u> and register. Review the information there on how to become better prepared to survive and recover. Then, on 10/18 at 10:18am, join more than 9 million Californians who will practice how to Drop, Cover, and Hold On.

ShakeOut Drill - 1 (30 seconds)

Are you prepared to survive and recover when the next big earthquake hits? Join more than 9 million Californians in schools, businesses, government and community organizations will practice how to Drop, Cover, and Hold On in the Great California ShakeOut on October 18th at 10:18am. Register at ShakeOut.org/California and be a part of the world's largest earthquake drill!

ShakeOut Drill - 2 (20 seconds)

Are you prepared for earthquakes? What we do now, BEFORE a big earthquake, will determine what our lives will be like afterwards. Register TODAY for the Great California ShakeOut at ShakeOut.org/California, and be a part of the largest earthquake drill in history on October 18, at 10:18am.



ShakeOut Drill - 3 (20 seconds)

The shaking starts. It's an earthquake. What do you do? Many people sit there wondering, "Is this 'The Big One'?" On October 18, at 10:18am, join more than 9 million Californians who will practice what you should REALLY do.... Drop, Cover, and Hold On! Find out how and register to participate at ShakeOut.org/California.

ShakeOut Drill - 4 (20 seconds)

Surviving and recovering from a major earthquake is not a matter of luck. It's a matter of being prepared and practicing how you'll protect yourself and what you'll do next. A great way is to join more than 9 million Californians on October 18 at 10:18am for the Great California ShakeOut earthquake drill. Register today at ShakeOut.org/California.

ShakeOut Drill - 5 (20 seconds)

The ground starts shaking – it's an earthquake! What do you do? Drop, Cover, and Hold On!

But do you know how? Find out at ShakeOut.org/california, and while you're there, register for the Great California ShakeOut – the largest earthquake drill in the world. You life may depend on doing it right.

ShakeOut Drill - 6 (10 seconds)

Be a part of the Great California ShakeOut...the world's largest earthquake drill, on October 18, at 10:18am. Register today at ShakeOut.org/california.

ShakeOut Drill - 7 (10 seconds)

Are you prepared for the next big earthquake? Go to shakeout.org to register for the Great California ShakeOut, then practice how to "Drop, Cover, and Hold On" at 10:18am on October 18th

ShakeOut Drill - 8 (10 seconds)

Drop, Cover and Hold On with 9 million other Californians on October 18th at 10:18am. Register and get details at ShakeOut.org/california.



DRILL BROADCASTS

All radio and TV stations are encouraged to play the pre-recorded Great California ShakeOut earthquake drill broadcast on October 18, 2012 at 10:18a.m. (or as close to that time as your program and commercial schedules permit). Audio and video versions of the broadcast can be downloaded at www.shakeout.org/california/drill/broadcast

If you will be playing or reading the drill broadcast, please join the list of participating stations at <u>www.shakeout.org/california/broadcasters</u> by completing a simple sign up form at <u>www.shakeout.org/california/broadcasters/add_station.php</u>.

If you would prefer for one of your on-air personalities to read the drill broadcast, please use the following script:

DRILL BROADCAST – ANNOUNCER COPY FOR RADIO & TV STATIONS

This is the Great California ShakeOut. You are participating in the largest earthquake safety drill in U.S. history. Practice now so you can protect yourself during a real earthquake.

This is an earthquake drill. Right now, DROP, COVER, AND HOLD ON.

Unless you are driving, DROP to the ground now -- if you're standing during a large earthquake, the ground might jerk strongly and throw you down. Take COVER under something sturdy to protect yourself from objects being hurled across the room. HOLD ON to it until the shaking stops. If you can't get under something, stay low and protect your head and neck with your arms.

Now look around. What objects might fall or be thrown at you in an earthquake, that you should secure in place now?

Finally, strong earthquakes may trigger tsunami. If you're near the beach during an earthquake, DROP, COVER, and HOLD ON, then walk quickly to high ground when the shaking stops.

This drill is over. Visit ShakeOut.org for simple steps to help you survive and recover from a major earthquake, including how to secure your space. Thank you for taking part in the Great California ShakeOut!



1) What is the Great California ShakeOut?

On October 18th at 10:18 a.m., schools, businesses, non-profits, governments, neighborhoods, organizations, and households all across California will "Drop, Cover and Hold On" in the 5th annual Great California ShakeOut, the world's largest earthquake drill.

The purpose of the ShakeOut is to encourage people and organizations to be prepared to survive and recover when the next big earthquake happens.

More than 9 million people are expected to participate in the 2012 Great California ShakeOut! Participation is free and takes only a few minutes. Learn more and register to participate at <u>www.shakeout.org/california</u>. Don't be left out of the ShakeOut!

2) How do we prepare, survive, and recover?

Every Californian should know what steps to take before, during and after an earthquake, at home, work, and school. Visit <u>www.earthquakecountry.org</u> to learn about the *Seven Steps to Earthquake Safety* (underlined below) so you, your family, or your organization will be prepared to survive and recover when the next big earthquake happens.

• **PREPARE** (before an earthquake):

- (Step 1) <u>Secure your space</u>, by identifying hazards and securing moveable items such as furniture and other heavy objects to avoid injuries and damage.
- (Step 2) <u>Plan to be safe</u>, by creating a disaster plan and identifying communication needs. Where will you meet your family? How will you get to work? Do you know how to perform CPR, or to use a fire extinguisher?
- (Step 3) Organize disaster supplies in convenient locations.
- (Step 4) <u>Safeguard your finances</u>, by strengthening your property and considering insurance. Is your home bolted to its foundation?
- SURVIVE (during and just after an earthquake):
 - (Step 5) You cannot tell from the initial shaking if an earthquake will suddenly become intense...so always <u>Drop, Cover, and Hold On</u> immediately!
 - DROP to the ground (before the earthquake drops you!),
 - Take COVER by getting under a sturdy desk or table, and
 - HOLD ON to your shelter and be ready to move with it until the shaking stops.
 - If there is no table or desk near you, drop to the ground and then if possible move to an inside corner of the room. Be in a crawling position to protect your vital organs and be ready to move if necessary, and cover your head and neck with your hands and arms.
 - Do not move to another location or outside. Earthquakes occur without any warning and may be so violent that you cannot run or crawl. You are more



likely to be injured if you try to move around during strong shaking. Also, you will never know if the initial jolt will turn out to be start of the big one...and that's why you should always Drop, Cover, and Hold On immediately!

- These are guidelines for most situations. Visit <u>www.shakeout.org</u> to learn how to protect yourself in other situations and locations.
- (Step 6) When shaking stops, <u>improve safety</u> by helping the injured, preventing further damage, and evacuating from tsunami zones. Be ready for aftershocks that may continue for several weeks to months after large earthquakes.

• RECOVER (after an earthquake):

- (Step 7) Begin to <u>restore daily life</u> by reconnecting with others, repairing damage, and rebuilding community.
 - To keep phone lines accessible for emergency use, communicate via text message rather than calling.
 - If you have an earthquake insurance policy and have suffered any property damage, contact your insurance agents or companies for assistance.

3) Who organizes the Great California ShakeOut?

The Great California ShakeOut is organized by the Earthquake Country Alliance (ECA), a statewide public-private-community partnership. ECA links together public education efforts of organizations that provide earthquake information and services. In addition to the ShakeOut, the ECA provides information and resources at <u>www.earthquakecountry.org</u> and coordinates local activities year-round through regional alliances in Southern California, the San Francisco Bay Area, and the Redwood Coast.

ECA members include: scientists and engineers; non-profit organization and business leaders; community groups and activists; federal, state, and local government leaders and agencies; and others who are committed to an earthquake and tsunami resilient California. Major organizations involved include California Emergency Management Agency, U.S. Geological Survey, California Earthquake Authority, American Red Cross, and the Southern California Earthquake Center, which administers the ECA from its headquarters at the University of Southern California.

4) Where else is the ShakeOut happening?

Great ShakeOut earthquake drills have now been organized in more than 22 states and several countries around the world. Additional people and organizations in many other states and countries are also registering independent drills. More than 11 million participants are expected on 10/18 (including 9 million in California). 4.5 million participated earlier in 2012 in the Central U.S., Utah, and New Zealand (September 26th). In total more than 15 million people will practice earthquake safety in 2012! To register to participate in any of these drills visit www.shakeout.org



Recommended Earthquake Safety Actions

Federal, State, and local emergency management experts and other official preparedness organizations all agree that "**Drop, Cover,** and **Hold On**" is the appropriate action to reduce injury and death during earthquakes. Great ShakeOut earthquake drills (<u>www.shakeout.org</u>) are opportunities to practice how to protect ourselves during earthquakes.

You cannot tell from the initial shaking if an earthquake will suddenly become intense...so always <u>Drop, Cover, and Hold On</u> immediately!

- **DROP** to the ground (before the earthquake drops you!),
- Take **COVER** by getting under a sturdy desk or table, and
- **HOLD ON** to your shelter and be prepared to move with it until the shaking stops.



If there is no table or desk near you, drop to the ground and then if possible move to an inside corner of the room. Be in a crawling position to protect your vital organs and be ready to move if necessary, and cover your head and neck with your hands and arms.

Do not move to another location or outside. Earthquakes occur without any warning and may be so violent that you cannot run or crawl. You are more likely to be injured if you try to move around during strong shaking. Also, you will never know if the initial jolt will turn out to be start of the big one...and that's why you should always Drop, Cover, and Hold On immediately!

These are guidelines for most situations. Read below to learn how to protect yourself in other situations and locations, or visit <u>www.dropcoverholdon.org</u>.



If you are unable to Drop, Cover, and Hold On: If you have difficulty getting safely to the floor on your own, get as low as possible, protect our head and neck, and move away from windows or other items that can fall on you.

In a wheelchair: Lock your wheels and remain seated until the shaking stops. Always protect your head and neck with your arms, a pillow, a book, or whatever is available.



In bed: If you are in bed, hold on and stay there, protecting your head with a pillow. You are less likely to be injured staying where you are. Broken glass on the floor has caused injury to those who have rolled to the floor or tried to get to doorways.

In a high-rise: Drop, Cover, and Hold On. Avoid windows and other hazards. Do not use elevators. Do not be surprised if sprinkler systems or fire alarms activate.

In a store: When Shaking starts, Drop Cover and Hold On. A shopping cart or getting inside clothing racks can provide some protection. If you must move to get away from heavy items on high shelves, drop to the ground first and crawl only the shortest distance necessary. Whenever you enter any retail store, take a moment to look around: What is above and around you that could move or fall during an earthquake? Then use your best judgment to stay safe.

Outdoors: Move to a clear area if you can safely do so; avoid power lines, trees, signs, buildings, vehicles, and other hazards.

Driving: Pull over to the side of the road, stop, and set the parking brake. Avoid overpasses,

bridges, power lines, signs and other hazards. Stay inside the vehicle until the shaking is over. If a power line falls on the car, stay inside until a trained person removes the wire.

In a stadium or theater: Stay at your seat or drop to the floor between rows and protect your head and neck with your arms. Don't try to leave until the shaking is over. Then walk out slowly watching for anything that could fall in the aftershocks.

Near the shore: Drop, Cover, and Hold On until the shaking stops. If severe shaking lasts twenty seconds or more, immediately evacuate to high ground as a Tsunami might have been generated by the earthquake. Move inland two miles or to land that is at least 100 feet above sea level immediately. Don't wait for officials to issue a warning. Walk quickly, rather than drive, to avoid traffic, debris and other hazards.

MYTH – Head for the Doorway:

An enduring earthquake image of California is a collapsed adobe home with the doorframe as the only standing part. From this came our belief that a doorway is the safest place to be during an earthquake. True – if you live in an old, unreinforced adobe house. In modern houses, doorways are no stronger than any other part of the house. You are safer under a table.

Below a dam: Dams can fail during a major earthquake.

Catastrophic failure is unlikely, but if you live downstream from a dam, you should know floodzone information and have prepared an evacuation plan.

More information:

www.shakeout.org/dropcoverholdon www.dropcoverholdon.org www.earthquakecountry.org/dropcoverholdon



2012 is the fourth year (statewide) of The Great California ShakeOut, a drill designed to educate the public about how to protect themselves during a large earthquake, and how to get prepared. It will be the largest earthquake drill to ever take place in the United States.

2008

The first ShakeOut was held in 2008 as the <u>Great Southern California ShakeOut</u>, an effort by scientists and emergency managers to inform the public about earthquake preparedness. It was based on the <u>ShakeOut Scenario</u>, a comprehensive description of a magnitude 7.8 earthquake on the San Andreas Fault in southern California and the destruction it would cause, which was developed by the <u>USGS Multi-Hazards Demonstration Project</u> led by Dr. Lucy Jones. The scenario was planned to be used as the basis of California's 2008 "Golden Guardian" response exercise.

In Fall, 2007, leaders of the <u>Earthquake Country Alliance</u> began discussion of how to involve all residents of southern California in the exercise, and planning for the ShakeOut began. The first ShakeOut on November 13, 2008, was the largest earthquake drill in U.S. history at the time with a total of 5.4 million participants spanning eight counties in the southern part of the state, who practiced <u>Drop, Cover, and Hold On</u> and other aspects of family, school, and workplace emergency plans.

In California, ShakeOut is coordinated by the <u>Earthquake Country Alliance</u>, and the ShakeOut website is developed and maintained by the <u>Southern California Earthquake Center</u>, based at the <u>University of Southern California</u>.

2009

For it's second year the <u>Great California ShakeOut</u> expanded to the entire state- all 58 counties, divided into 11 areas. Because the ShakeOut Scenario was only applicable for southern California, the statewide encouraged participants to plan drills for potential earthquakes in their region, or for large earthquakes in general. More than 6.9 million Californians participated on October 15th at 10:15 a.m.

Also in 2009, the <u>New Zealand's Great West Coast ShakeOut</u> was held, the first test of the ShakeOut concept in another region. <u>SCEC</u> replicated the website in partnership with a local school administrator working on a year-long earthquake preparedness project sponsored by New Zealand's <u>Ministry of Civil Defense and Emergency Management</u>. More than 8,000 people participated, out of a mostly rural population of about 30,000. Discussions are underway for a possible nationwide New Zealand ShakeOut.

Subsequently, <u>SCEC</u> has continued to work with all other ShakeOuts so that the websites, messaging, and materials are consistent and collaborative. Each new ShakeOut has brought new ideas that are then integrated with all others.



2010

For it's third year, the <u>California ShakeOut</u> was held on October 21st at 10:21 am and grew to more than 7.9 million participants. Participants were also encouraged to <u>Secure their Space</u> to prevent injuries and damage caused by earthquakes.

In addition to the California ShakeOut, <u>Nevada</u> (110,000 participants, managed by the <u>Nevada</u> <u>Seismological Laboratory</u>) and <u>Guam</u> (38,000 participants, coordinated by <u>Guam Homeland</u> <u>Security</u>) joined in the Shakeout with drills also on October 21.

2011

2011 was the first year of the <u>British Columbia ShakeOut</u>, the largest earthquake drill to ever take place in Canada (470,000 participants), coordinated by the British Columbia Earthquake Alliance. The drill was held on January 26, the anniversary of a 9.0 magnitude earthquake in the Cascadia subduction zone (off the coast of northern California, Oregon, Washington, and British Columbia.) As an initial test, the first <u>Oregon ShakeOut</u> was coordinated by Oregon Emergency Management (38,000 participants, with outreach focused primarily in one county).

A few months later, the first <u>Central United States ShakeOut</u> (3 million participants) involved ten states on April 28th, preceded by Indiana on April 19th. The multi-state drill was coordinated by the <u>Central United States Earthquake Consortium</u> as part of the bicentennial of large earthquakes centered near New Madrid, Missouri in 1811-1812.

After the first British Columbia ShakeOut drill in early 2011, its leaders consulted with School Districts, the Ministry of Education, and emergency management stakeholders from across the province and decided to align the Great BC ShakeOut with Shakeout drills in western North America in October, on an annual basis beginning in 2011 (their second ShakeOut in 2011). The Yukon Territory of Canada will also participate in future BC ShakeOut drills. Oregon also has decided to switch to the October date in 2011, though major promotion will begin in 2012.

The first <u>Idaho ShakeOut</u>, coordinated by Idaho Bureau of Homeland Security, was also held in October 2011.

As a result, on October 20, 2011, at 10:20 a.m., ShakeOut drills were held in <u>California</u> (with Yuma County, Arizona), <u>Nevada</u>, <u>Oregon</u>, <u>Idaho</u>, <u>British Columbia</u>, and <u>Guam</u>. More than 9.5 million people participated in all regions. Future drills in these areas will always be on third Thursday of October.



2012 and beyond

The second <u>Central United States ShakeOut</u> was held on February 7th, to commemorate the bicentennial of the 1812 New Madrid earthquake. The drill spanned nine states with 2.4 million participants (Georgia and South Carolina chose not to participate with the Central U.S. but instead may develop a "Southeast ShakeOut").

The first <u>Japanese ShakeOut</u>, in the Chiyoda ward of central Tokyo, occurred on March 9, two days prior to the anniversary of the 2011 Tohoku earthquake and tsunami. Additional drills will be held elsewhere in Japan throughout Fall 2012 and may join together on a single day in the future.

The first <u>Utah Shakeout</u> was held on April 17, 2012, and had the highest level (per capita) of any ShakeOut.

The first nationwide <u>New Zealand Shakeout</u> was held on September 26, 2012 and greatly exceeded expectations.

The <u>California</u>, <u>Nevada</u>, <u>Oregon</u>, <u>Idaho</u>, <u>Guam</u>, and <u>British Columbia</u> drills will be on October 18th at 10:18 a.m. (locally) in 2012, and will be joined for the first time by <u>Alaska</u>, <u>Arizona</u>, <u>Puerto Rico</u>, <u>Southeast U.S.</u> (Georgia, South Carolina, North Carolina, Virginia, Washington D.C., and Maryland), <u>Washington</u>, and <u>Southern Italy</u> (led by U.S. Navy Bases).

A new "global" website was established for the October 18th 2012 ShakeOut to allow people in any other state or country to register and be counted in the global total. This site is also also is the basis on a global Spanish language site for people in all states and countries (including in Official ShakeOut Regions) to learn how to participate and register. Additional languages will follow.

In total more than 13 million people will participate on October 18th, and more than 18 million will participate in 2012.

Additional areas considering ShakeOut drills are American Samoa, Hawaii, Mexico, Turkey, and elsewhere.