



# NEHRP Scenario Project



Looking for something in particular?

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- [What is a Scenario?](#)
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## About this site

Welcome to this site, created to help communities through the process of developing and using effective earthquake scenarios. These scenarios can be powerful planning tools that help communities understand and plan for the future, telling the story of a defined earthquake and its specific impacts.

This site has tools and suggestions to help communities through the process, and perhaps most importantly, the site has users sharing their experiences and providing support.

The site is meant to be interactive, and will soon have some pages where you can post questions and/or comments, and interact directly with others who are working on or have completed various types of earthquake scenarios. You will also be able to sign up for e-mail notifications of new postings and comments on this site.

The site provides a wide range of ideas and types of earthquake scenarios—from very simple to elaborate—however it is meant to be particularly useful to jurisdictions and organizations that do not have access to lots of resources.



Seattle Fault Scenario

## Scenario Gallery

### Underway

Here is a list of some earthquake scenarios that are currently underway:

- [Hayward Fault](#)
- [New Madrid Earthquake Scenario](#)
- [Wasatch Front, Utah](#)

### Completed

Here you will find a selection of some of the earthquake scenarios that have already been completed:

- [Cascadia Scenario from CA Geological Survey](#)
- [County of Hawaii Scenario](#)
- [CREW Cascadia Subduction Earthquake Earthquake Alliances](#)
- [Great Southern California ShakeOut](#)
- [Hayward Fault Scenario 1996](#)
- [Nevada Counties—Earthquake Scenarios](#)
- [New York City Area Consortium](#)
- [Oregon Cascadia Scenario](#)
- [Report of 1996 San Francisco earthquake](#)

www.nehrpscenario.org

## What is a Scenario?

*scenarios are effective tools that can increase interest in and support for earthquake mitigation*



An earthquake scenario:

- helps a community understand its earthquake risk and possible risk reduction measure
- is a planning tool that tells the story of a defined earthquake and its consequences—helps stakeholders to visualize specific physical, social, economic and environmental impacts
- is a tool that can be used for response planning and exercises, mitigation and land use planning, as an education and awareness-raising tool, to promote business continuity, or for recovery planning and exercises.
- is based on currently accepted scientific (including social, economic and environmental sciences) and engineering knowledge.

*a scenario can be as simple as a quick HAZUS run for a meeting of city officials to a multi-year complex process involving many stakeholders*

The most elaborate scenario conducted to date is the [ShakeOut](#) exercise that was held in southern California in November 2008. Click [here](#) to read an overview of the exercise or watch the short video by clicking on picture to the right. While the scope and budget for this exercise is unusual, there are many excellent, low-cost ideas for involving communities in such a regionwide exercise.



View video on ShakeOut

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[Oregon Cascadia Scenario](#)  
[Repeat of 1906 San Francisco earthquake](#)  
[Seattle Scenario](#)

# Site includes

- Bullet points/ recommendations from 2008 workshop
- Examples
- Links to websites
- Resources to help

# Videos

Short interviews to give examples, share experiences

The screenshot shows a web browser window displaying the NEHRP Scenario Project website. The browser's address bar shows "Professor Lori Dengler: Buildin...". The website header includes the EERI logo, the text "NEHRP Scenario Project", and the NEHRP logo. A search bar on the right asks "Looking for something in particular?" with the instruction "To search, type keywords and hit enter...". A navigation menu contains links for Home, What is a Scenario?, Build, Implement, Integrate, Resources, About this site, and News Feed. The main content area is titled "Professor Lori Dengler: Building Community" and includes a short description: "View the short video with Lori Dengler, geology professor at Humboldt State University, describing how the community came together to use the north coast scenario:". Below this is a video player showing a portrait of Lori Dengler with a play button overlay. The video player includes a title "Lori Dengler" and "Humboldt State University", and a YouTube logo. The video progress bar shows "0:00 / 0:00". To the right of the video is a "Scenario Gallery" section with two sub-sections: "Underway" and "Completed". The "Underway" section lists "Here is a list of some earthquake scenarios that are currently underway:" followed by links for "Hayward Fault", "New Madrid Earthquake Scenario", and "Wasatch Front, Utah". The "Completed" section lists "Here you will find a selection of some of the earthquake scenarios that have already been completed:" followed by a list of links including "Cascadia Scenario from CA Geological Survey", "County of Hawaii Scenario", "CREW Cascadia Subduction Earthquake", "Earthquake Alliances", "Great Southern California ShakeOut", "Hayward Fault Scenario 1996", "Nevada Counties-Earthquake Scenarios", "New York City Area Consortium", "Oregon Cascadia Scenario", "Repeat of 1906 San Francisco earthquake", and "Seattle Scenario".

# Includes many links

The screenshot shows a web browser window with several tabs open. The active tab is titled "Earthquake Alliances | NEHRP S...". The website header features the "EERI" logo, the text "NEHRP Scenario Project", and the "nehrp" logo. A search bar is present with the text "Looking for something in particular?" and a placeholder "To search, type keywords and hit enter...". Below the header is a navigation menu with the following items: Home, What is a Scenario?, Build, Implement, Integrate, Resources, About this site, and News Feed. The main content area is divided into two columns. The left column is titled "Earthquake Alliances" and contains a paragraph of text followed by four links to various earthquake alliances. The right column is titled "Scenario Gallery" and is divided into two sections: "Underway" and "Completed", each with a list of links to specific earthquake scenarios.

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## Earthquake Alliances

For the past several years, organizations interested in promoting earthquake preparedness in California have created alliances to work collaboratively on media and public events, creating awareness and hopefully stimulating actions. Each of these alliances have websites with more information, typically including some discussion of scenarios for future events. Some of the individual scenarios that form the basis for these alliances are also discussed elsewhere on this website. These are:

1868 Hayward Earthquake Alliance: <http://1868alliance.org/>

1906 Earthquake Centennial Alliance: <http://1906centennial.org/>

The Great California ShakeOut: <http://shakeout.org/>

The Bay Area Earthquake Alliance: <http://bayquakealliance.org/>

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# Organized around

Building A  
Scenario

Implementing  
Scenario

Integrating With  
Other Planning  
Activities

Available  
Resources

The screenshot shows the NEHRP Scenario Project website. At the top, there is a search bar with the text "Looking for something in particular? To search, type keywords and hit enter...". Below the search bar is a navigation menu with the following items: Home, What is a Scenario?, Build, Implement, Integrate, Resources, About this site, and News Feed. The "Build" menu is expanded, showing a list of sub-items: Purpose, Stakeholders, Information available, Resources available, Getting started, Organize, Construct & Iterate, Share the scenario, and Discussion blog. The main content area is divided into three sections. The left section is titled "Getting started" and contains a bulleted list of steps: Identify stakeholders (consider using to), Form action groups/task forces, Use existing earthquake safety groups, Have professional PR or media person, Have scenario led by people whose job, Need overall leader/manager, Discipline leaders, and Need clearly stated objectives. The middle section features a video thumbnail of a man with the caption "View video: getting started in Seattle" and a quote: "Decide whom to involve when you know what decisions you want the scenario to result in". The right section is titled "Scenario Gallery" and is divided into "Underway" and "Completed" categories. The "Underway" section lists: Hayward Fault, New Madrid Earthquake Scenario, and Wasatch Front, Utah. The "Completed" section lists: Cascadia Scenario from CA Geological Survey, County of Hawaii Scenario, CREW Cascadia Subduction Earthquake Earthquake Alliances, Great Southern California ShakeOut, Hayward Fault Scenario 1998, Nevada Counties-Earthquake Scenarios, New York City Area Consortium, Oregon Cascadia Scenario, Report of 1906 San Francisco earthquake, and Seattle Scenario.

# Includes case studies—presentations, tables, resources from a variety of communities

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