Introduction

Scenarios are effective tools that can increase interest in and support for earthquake mitigation. They can stimulate the adoption of programs and policies designed to reduce earthquake risk.

Scenarios enable communities to improve their understanding of earthquakes and their own specific level of risk. Community leaders and individuals are able to adopt the most appropriate techniques, policies, and programs to reduce their risk.

The process of scenario development can result in greater understanding and improved communication between members of the scientific, engineering, emergency management, and policy communities resulting in a “new community” dedicated to seismic risk reduction.

Today, we have the ability to integrate science, engineering, public policy, and emergency management with excellent loss estimation programs, e.g., HAZUS.

Introduction (continued)

Scenarios can provide opportunities to examine “alternative futures” and stimulate creative thinking about the need for new policies and programs.

Scenarios should incorporate the latest scientific, engineering and societal knowledge about a region’s seismic hazard, building types, lifelines, and population characteristics.

Tasks

To develop and hold a national workshop, to promote the development and use of scenarios.

To develop and maintain a web-based resource and contact program after the workshop to help those in the process of scenario development confer with those who have recent experience.

To prepare guidelines that can be used by other communities to develop their own scenarios, and

To prepare a report containing the results of the workshop.
Current Active Interest in Scenarios

- New Madrid (ongoing)
- Southern California (ongoing)
- Hayward Fault, SF Bay (just beginning)
- Anchorage (potential)
- Wasatch Fault (potential)
- Other potential scenarios? - Charleston, Reno-Carson City, Las Vegas, Albuquerque, Memphis, St. Louis, and NE U.S.

Areas of Focus

- Risk modeling software including HAZUS
- Building inventory by type and age
- ShakeMaps
- Geology and ground failure potential: Maps of landslides and liquefaction
- Lifeline and essential facility inventories
- Economic and business impacts
- Individual and community impacts

Post-Workshop

- EERI staff will support each of the regional efforts, to the extent possible, so as not to lose the momentum and enthusiasm built by the Workshop.
- EERI will utilize its web resources to create a virtual Scenario Center, providing draft Workshop materials and connecting those in the process of scenario development with resource individuals on an as-needed basis for advice and counsel.

Workshop Report and Guidance Plan and Prototype

- After the Workshop, we will use the results of the Workshop to revise EERI's “Guidelines for Developing Earthquake Scenarios”.
- A final report summarizing the project will be produced.

Schedule

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workshop</td>
<td>September 17-18</td>
</tr>
<tr>
<td>Core group of Steering committee to meet</td>
<td>Early October</td>
</tr>
<tr>
<td>Draft workshop results report</td>
<td>End of October</td>
</tr>
<tr>
<td>Draft of guide/website</td>
<td>End of November</td>
</tr>
<tr>
<td>Review of workshop report/guidance documents</td>
<td>Nov-Jan 2009</td>
</tr>
</tbody>
</table>

Workshop Goals

- Identify major lessons from past scenario efforts
- Design an effective process
- Develop specific recommendations on how to conduct a scenario
- Develop a structure for post-workshop web resource
- We need to develop the workshop program, identify who should participate, and who should speak.
Steering Committee

Doug Bausch, FEMA
Rod Coburn, Alaska
Geological Survey
Rich Eisner, Fritz Institute
John Filson, USGS
Marjorie Greene, EERI
Jack Hayes, NIST/NEHRP
Greg Hembree, EERI New
Madrid Chapter/URS
Andre Le Duc, Oregon
Partnership for Disaster
Resistance
Elizabeth Lernsrol, USGS
Ines Pearce, Pearce Global
Partners
Mike Reichle, California
Geological Survey
Hope Seligson, MMI
Engineering
Susan Tubbesing, EERI
Tunnel Wang, Oregon
Department of Geology and
Mineral Industries
Barry Welliver, BHW Engineers
Ivan Wongs, EERI Northern
California Chapter/URS

Agenda

Wednesday Morning, September 17

Welcome and Introductions
1:00 pm

6:00 am

7:30 am

8:30 am

9:30 am

10:30 am

11:30 am

12:30 pm

Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference
Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference
Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference

Saturday Afternoon, September 17

1:30 pm

2:30 pm

3:30 pm

4:30 pm

5:30 pm

6:30 pm

7:30 pm

Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference
Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference
Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference

Thursday Morning, September 18

Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference
Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference
Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference

Thursday Afternoon, September 18

Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference
Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference
Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference

Friday Morning, September 19

Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference
Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference
Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference

Friday Afternoon, September 19

Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference
Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference
Welcome and Introductions by Local Hosts
Overview of Americas Pacific Rim Conference
Overview of the Americas Pacific Rim Conference