



## FEMA-USGS Project 17 Planning Committee Meeting

Burlingame, CA

February 12, 2015

8:00 a.m.     **Introduction**

- Project 17 rationale     Ron Hamburger
- USGS schedule     Mark Petersen

**Presentations:** major developments likely to affect the next generation of maps

- Map uncertainties, swings in values when maps change, & anticipated changes for 2017 based on NGA East

8:15 a.m.     Engineering perspective     Ron Hamburger  
*Going back to zone maps*

8:30 a.m.     Science perspective     Peter Powers  
*Uncertainty in hazard relative to update changes*

8:45 a.m.     Discussion     Ron Hamburger

- Multi-period spectra for multiple site classes, accounting for basin effects

9:10 a.m.     Engineering perspective     Charlie Kircher  
*Why multi-point design spectra are needed:  
spectral shape & site factors*

9:25 a.m.     Science perspective     Sanaz Rezaeian  
*Hazard models for additional periods,  
site classes, and basin effects*

9:40 a.m.     Discussion     Ron Hamburger

10:05 a.m.     **Break**

	<ul style="list-style-type: none"> <li>• Use of physics-based simulations of earthquake ground motions for creating design maps.</li> </ul>	
10:20 a.m.	Science perspective <i>Urban seismic hazard maps and simulations in the Pacific Northwest</i>	Art Frankel
10:35 a.m.	Engineering perspective <i>SCEC Utilization of ground motion simulations committee/Cybershake</i>	C.B. Crouse
10:50 a.m.	Discussion	Ron Hamburger
	<ul style="list-style-type: none"> <li>• Deterministic ground motions</li> </ul>	
11:15 a.m.	Engineering perspective <i>Issues encountered in the development of 2014 design maps regarding deterministic ground motions</i>	Nico Luco
11:30 a.m.	Science perspective <i>UCERF3</i>	Ned Field
11:45 a.m.	Discussion	Ron Hamburger
12:10 p.m.	<b>Lunch</b>	
	<ul style="list-style-type: none"> <li>• Induced seismicity</li> </ul>	
1:00 p.m.	<i>Update on induced seismicity hazard modeling</i>	Mark Petersen
1:15 p.m.	Discussion	Ron Hamburger
1:40 p.m.	<b>Discussion of Other Potential Project 17 Topics</b>	Ron Hamburger
	<i>For example, risk-targeted PGA maps for liquefaction, more direct incorporation of directivity effects, collapse fragility improvements? Please notify Philip Schneider if you wish to reserve time for discussion of a particular topic.</i>	
2:20 p.m.	<b>Draft Scopes and Schedules</b>	Ron Hamburger
	<ul style="list-style-type: none"> <li>• Summary report</li> <li>• Outreach</li> <li>• Next meeting/teleconference</li> </ul>	
3:00 p.m.	<b>Adjourn</b>	