Project 17
Development of Next-Generation Seismic Design Value Maps
Issue Webinar

Introduction

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Chair
Project 17 Planning Committee
Project 17 Planning Committee

- Structural Engineering
  - David Bonneville
  - Charles Kircher
  - Ronald Hamburger
  - James Harris
  - William Holmes
  - John Hooper
  - Robert Pekelnicky

- Geotechnical and Seismology
  - C.B. Crouse
  - Ned Field
  - Art Frankel
  - Nico Luco
  - Morgan Moschetti
  - Mark Petersen
  - Peter Powers
  - Sanaz Rezaerian

- Mai Tong
- Robert Hanson
- Phillip Schneider
Project Purpose

• Develop consensus among the structural and geotechnical engineering and earth science communities

• Basis for next-generation seismic design value maps:
  – 2020 NEHRP Provisions
  – ASCE 7-22
  – IBC-2024
Schedule

- Planning phase
  - Initiated: February, 2015
  - Schedule completion: September 30, 2015

- Actual project
  - Initiate January 1, 2016
  - Complete Dec 31, 2017
Planning Phase Purpose

• Identify and recommend:
  – Technical issues to be considered by Project 17 Committee (Scope of Work)
  – Resources recommended for accomplishment (Budget)
  – Participants

• Obtain informed public input into the process
Planning Phase Schedule

- Introductory webinar - June 25, 2015
- Webinar on procedural issues – July 20, 2015
- Finalize report – September 30, 2015
Today’s Session

• One hour of focused presentations
  – Multi-period spectra - Charles Kircher
  – Duration - John Hooper
  – Damping - Sanaz Reaeian
  – Vertical Motion John Hooper
  – Deterministic Parameters Charles Kircher
  – Basin Effects CB Crouse
  – 3D Simulation CB Crouse

• One hour of discussion
Input we hope to receive

• Should any of these issues be “taken off the table”?

• How important is it to address each of these issues?

• Are there other issues we should be considering?

• Are their suggestions for resolution of any of these issues?