Ground Motion Hazard in Stable Continental Regions

Special Session at SMiRT 2013



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SMiRT Special Session: Ground Motion Hazard in SCR

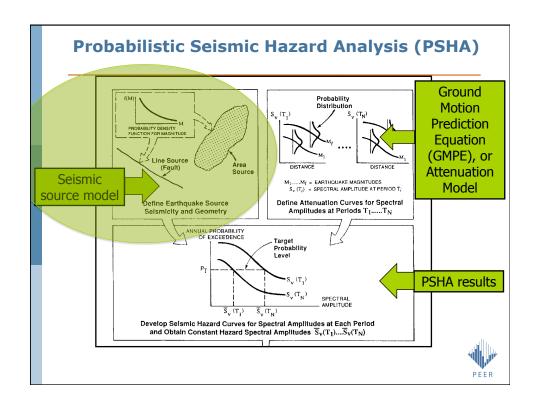
- International
- Characterization of seismic sources in Central & Eastern US (CEUS)
- NGA-East



International Presentation

- Lessons learned from the seismic hazard assessment of NPPs in Switzerland
 - Dr. Philippe Renault
 - Swissnuclear
 - Consistent with "SSHAC Level 4" process

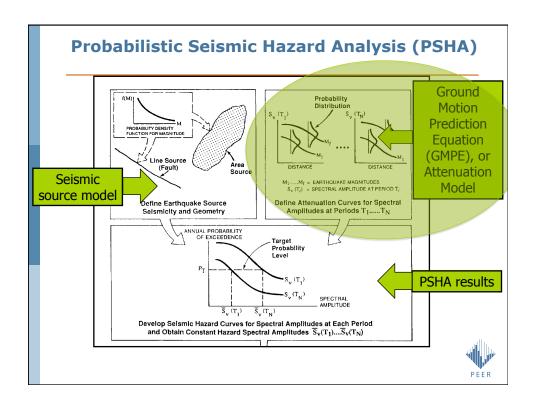




Seismic source characterization in CEUS

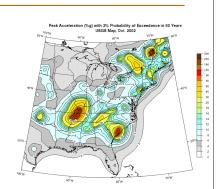
- Larry Salomone and Kevin Coppersmith
- SSHAC Level 3 project
- Funded by:
 - Electric Power Research Institute (EPRI)
 - US Nuclear Regulatory Commission (NRC)
 - US Department of Energy (DOE)





NGA-East

- Goal: To develop next generation Ground Motion Prediction Equations (GMPEs) for Central & Eastern US
- Sponsored by: NRC, EPRI, USGS, DOE
- Coordinated by: PEER











NGA-East

- Several speakers to cover various aspects of the project
 - Christine Goulet
 - Norm Abrahamson
 - Chris Cramer
 - Albert Kottke
 - Walter Mooney
 - Martin Chapman
 - Rob Graves
- NGA-East is a SSHAC Level 3 project



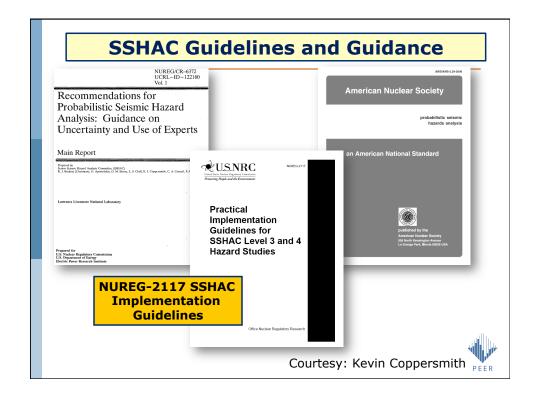
SSHAC process

- Procedures defined by the Senior Seismic Hazard Analysis Committee (SSHAC)
- The goal is to represent the center, body, and range of technically defensible interpretations

Courtesy: Kevin Coppersmith

- Level 3 & Level 4
- Both CEUS Seismic Source Characterization and NGA-East are SSHAC Level 3 projects





Finally, at the last segment of the Special Session

 We will have a panel discussion on all issues covered during the day

THANK YOU!

