

**RIC 2006**  
**Session W4F**  
**Current Seismic Issues & Associated Research**  
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# Seismic Issues Technical Advisory Group

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# Membership

Andrew J. Murphy, RES – Chairman

Syed Ali, RES

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Donald Harrison, NRR

Yong Li, NRR

Cliff Munson, NRR

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# Background

- Established in 2004 to coordinate the seismic-related work performed by NRC staff
- To facilitate technical information exchange and communication between NRC offices
- Provides advice and recommendations to management on seismic related issues and the direction for future nuclear facility siting and design

# Current Seismic Issues

- Seismic issues associated with early site permit (ESP) applications
  - Use of Performance-Based Approach
  - Update Probabilistic Seismic Hazard Analysis
  - Update RG 1.165
- Seismic siting and design research
  - Resolution of GI-199, “Implications of Updated Probabilistic Seismic Hazard Estimates in Central and Eastern United States ”
  - Seismic Research Program
  - Site Amplification Issue

# Current Seismic Issues

- Development of Seismic Issues Program Plan
- Siting Issues
  - Low Magnitude Cutoff
  - New Ground Motion Models
  - High Frequency Ground Motion
  - Coherency
- Tsunami – Impact of new data from 12/04 Sumatra Event