



Current Research Programs and Initiatives Related to Siting

RIC Conference
New Reactor Siting Safety Review Panel
March 2008

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Program Overview

- Publicly available research plan
- Targeted on regulatory needs
 - Developed with NRO, NRR & NMSS
 - Efforts in many research areas to be coordinated with industry
- Developed to both push forward the science and the level of regulatory stability
- Incorporation of performance-based approaches

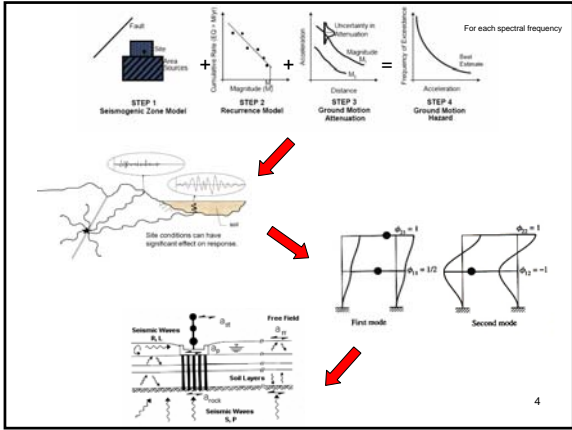
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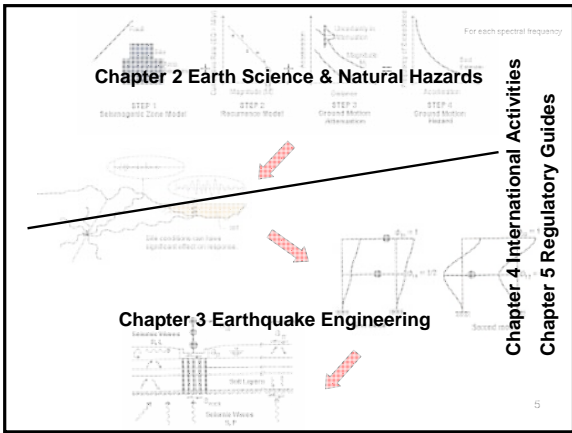


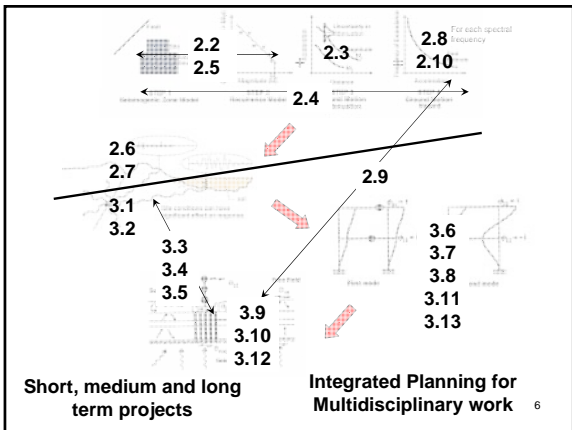
Program Overview

- Both short- and long-term topics
- Systematic & integrated approach
- Cost effective
- Highest Quality

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Opportunities for Collaboration

- EPRI database update
- NGA-East ground motion prediction relations updates
- Investigation of seismic sources in the CEUS
- SSHAC practical application workshops

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- Continued tsunami source development with USGS
- First Phase USGS report available to public
- Continued development of modeling capabilities with USGS and NOAA

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Other Siting Topics

- Update of Meteorological Topics
 - Tornados
 - Hurricane surge and wind speed
 - Precipitation
- Update of Regulatory Guide 1.59 on flooding assessment
 - Tsunami
 - Flooding assessment methods
 - Meteorological information

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- 1.100 Electrical & Mechanical
- 1.122 Floor Design Spectra
- 1.12 Seismic Instruments-Plants
- 3.17 Seismic Instruments-Waste Facilities
- 1.59 Flooding
