


**NRC
Regulatory Information
Conference**

Industry Perspectives on GI-199

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Background

- **Central & Eastern United States**
- **Deterministic Licensing Basis**
- **Probabilistic Seismic Hazard Analysis**
- **Individual Plant Examination of External Events (IPEEE)**
- **Generic Issue 199**

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Challenges

- **Predicting very infrequent events**
 - Not many large earthquakes
 - Some data based on observations rather than instrumented measurements
- **Applying delta-CDF criteria**
 - Seismic Margin Analysis
 - Different baseline values
- **Resources are not unlimited**

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Perspective

- **Plants are safe**
- **Seismic analyses are extensive**
- **Need repeatable, practical approach for evaluating new information that makes efficient use of seismic resources**
- **Industry is committed to supporting this effort**

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Future Actions

- **Reach agreement on methodology**
- **Generic communication**
- **Support from the Electric Power Research Institute (EPRI)**
- **Achieve resolution and closure of GI-199**
- **Continue EPRI-NRC collaboration on seismic research**

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