



RIC 2007

Risk-Informed Activities

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The Value Proposition for PRA

- NRC Regulatory Guide 1.200 issued in January 2007
 - Provides expectations for use of PRA consensus standards to support risk-informed applications
 - Implementation will entail resource impact
 - Implementation will provide benefits
- There is a business case and a safety case for implementation

EPRI Paper on Value Proposition of PRA

- Prepared at request of NEI in advance of Reg Guide 1.200 issuance
- Updates 2001 EPRI paper
- Addresses business and safety case for continued PRA improvements

PRA Value Proposition

- Risk informed methods have already led to benefits for industry
 - Maintenance rule
 - Technical Specification improvements
 - Inservice inspection
 - Reactor oversight process
 - NOEDs

PRA Value Proposition

- Additional benefits are available through improved PRAs
 - Tech Spec initiative 4B (flexible completion times) and 5B (licensee controlled surveillance intervals)
 - 10 CFR 50.69 provides risk informed scope of regulatory special treatment requirements
 - Others

PRA Value Proposition

- Reg Guide 1.200 implementation costs for internal events at power PRA
 - Approximately 300 person hours for self assessment
 - 1 person year to 10 person years to address PRA improvements
- This cost can be offset through implementation of risk-informed applications

Additional benefits

- More efficient and timely NRC reviews of applications
- Enhanced capability to address SDP significance findings
- Enhanced capability for maintenance rule implementation

NEI Workshop on Reg Guide 1.200

- March 27-29 in Bonita Springs, FL
- Will provide detailed information on licensing impacts and PRA technical adequacy demonstration