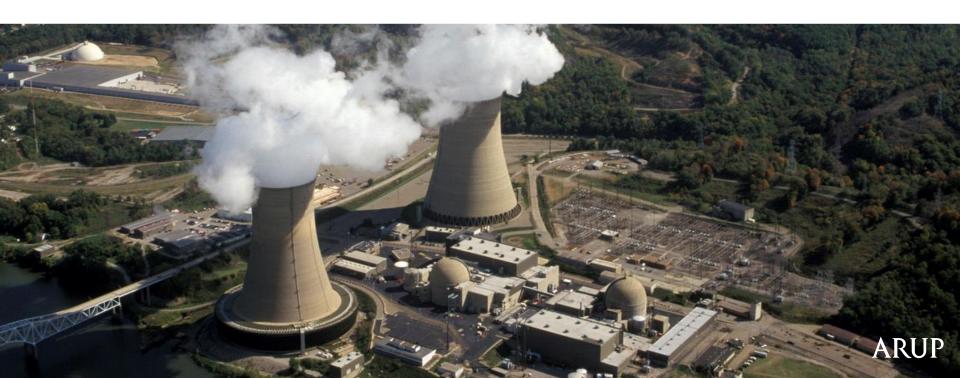
## SPRAs in the U.S.: How the young generation is working on practicality and communication

Date: September 18, 2018 Location: PSAM 14 Conference, Los Angeles California



## 1. Refinement to SPRA models and the search for realism.

- 2. Building structural modelling for SPRA
- 3. Plant seismic walkdowns
- 4. Data management for SPRAs
- 5. SPRA-based public communication and engagement

The practice of sensitivity studies in a SPRA has proven an effective tool to justify realism needed in fragility calculations

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Today we have the tools to efficiently develop refined models for structures and SSI seismic response analyses

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Today more engineers enjoy a broader knowledge of those components in NPPs with higher contribution to plant seismic risk, from both failure mode and systems perspectives.

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We have developed databases which correlate demand estimates, walkdown data, systems modelling data and fragility calculations.

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Early 2.1 NTTF submittals in the U.S. have communicated response of NPPs against beyond-design events. This is still an area worth developing for more effective community engagement.





## sile safety cualion report

related to the determination of the suitability of the **ISLOTE SITE** for eventual construction of the NORTH COAST NUCLEAR PLANT UNIT NO. 1

**PUERTO RICO WATER RESOURCES AUTHORITY** 

**APRIL 1979** 

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