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Licensing Issues/Future Applications



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Preparation

- ▶ Licensing Process
- ▶ Preapproved Designs
- ▶ Resources for Future Applications

Revise the Licensing Process

- ▶ Public participation is difficult in the 10 CFR Part 50 process because few design details are available at construction stage
- ▶ Final safety decisions are not made until facility complete
- ▶ Construction had to wait for completion of design
- ▶ Construction rework needed because of design changes and regulatory backfits
- ▶ Public participation difficult at OL stage because the facility was nearly complete
- ▶ Major costs expended before design approved - economic risk!

Advantages of Part 52 Process

- ▶ Provides for public participation at the design stage and prior to siting and construction of nuclear power plants
- ▶ Resolves safety and environmental issues before construction
- ▶ Resolves inspection requirements & acceptance criteria (ITAAC) prior to starting construction
- ▶ Final design complete prior to starting construction
- ▶ Facilitates standardization of designs
- ▶ Reduces financial risk to holders of combined licenses

Design Certification under Part 52

- ▶ Advanced Boiling Water Reactor - GE Nuclear Energy
Design Certification effective June 11, 1997
- ▶ System 80+ Standard Plant Design - Westinghouse
Design Certification effective June 20, 1997
- ▶ AP600 Standard Plant Design - Westinghouse
Design Certification effective January 24, 2000
- ▶ AP1000 Standard Plant Design - Westinghouse
Pre-application review currently underway

Challenge

- ▶ Assess Readiness for Future Applications
- ▶ Budget necessary review resources
- ▶ Assemble necessary skills and organization