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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