



COL Applicant Perspective on COL Application and Review Guidance

RIC 2007

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NUSTART PROJECTS

- **Entergy Grand Gulf COL**
 - General Electric ESBWR
 - ESP (pending)
 - Existing operating unit (BWR6)
 - Originally licensed for multiple units
 - Port Gibson, Mississippi
- **TVA Bellefonte COL**
 - Westinghouse AP1000
 - No ESP
 - Originally licensed for multiple units
 - Early construction terminated
 - Construction Permit terminated
 - Hollywood, Alabama

PROJECT PARTICIPANTS & INTERFACES

■ NuStart

- Entergy Nuclear
- Tennessee Valley Authority
- Duke Energy
- Exelon Corporation
- SCANA Corporation
- Southern Company
- Progress Energy
- FPL Group
- Constellation Energy Group
- EDF International North America
- GE Energy
- Westinghouse Electric Company

■ Others

- Enercon Services
- Dominion
- Bechtel
- Others

PENDING NRC RULES AND/OR POLICY CHANGES

- **COL Application Content**
- **PRA**
- **Security**
- **LWA**
- **DC Revision Process**

PENDING NRC GUIDANCE & REVIEW PLANS

- **RG 1.206 (DG-1145), NUREG-0800 Revisions, & Other Regulatory Guide Revisions**
- **Application Format, Content, and Level of Detail**
- **Electronic Formatting**
- **Technical Issue Areas**
 - Seismic
 - I&C
 - Electrical
 - Radiation Protection
 - Training
 - Emergency Preparedness
 - Environmental Report Content

OTHER CHALLENGES

- **Parallel Design Certification**
- **Standardization of COLA Content**
- **Standardization of Programs**
- **Standardization of Design**
- **Standardization and/or Similarity of Approaches**
- **New Processes**
 - Part 52 – ESP, DC
 - Departures, Variances, Interface Requirements
 - “New & Significant” determinations

MANAGING THE FORMLESS – COLA PROCESSES & APPROACHES

- **Organization & Communication**
 - NuStart
 - Design Centered Working Groups
 - NEI
- **Frequent NRC Interaction**
 - Draft Guidance
 - Meetings & Workshops
- **Duplicative COLA Section Reviews**