

Meeting Slides

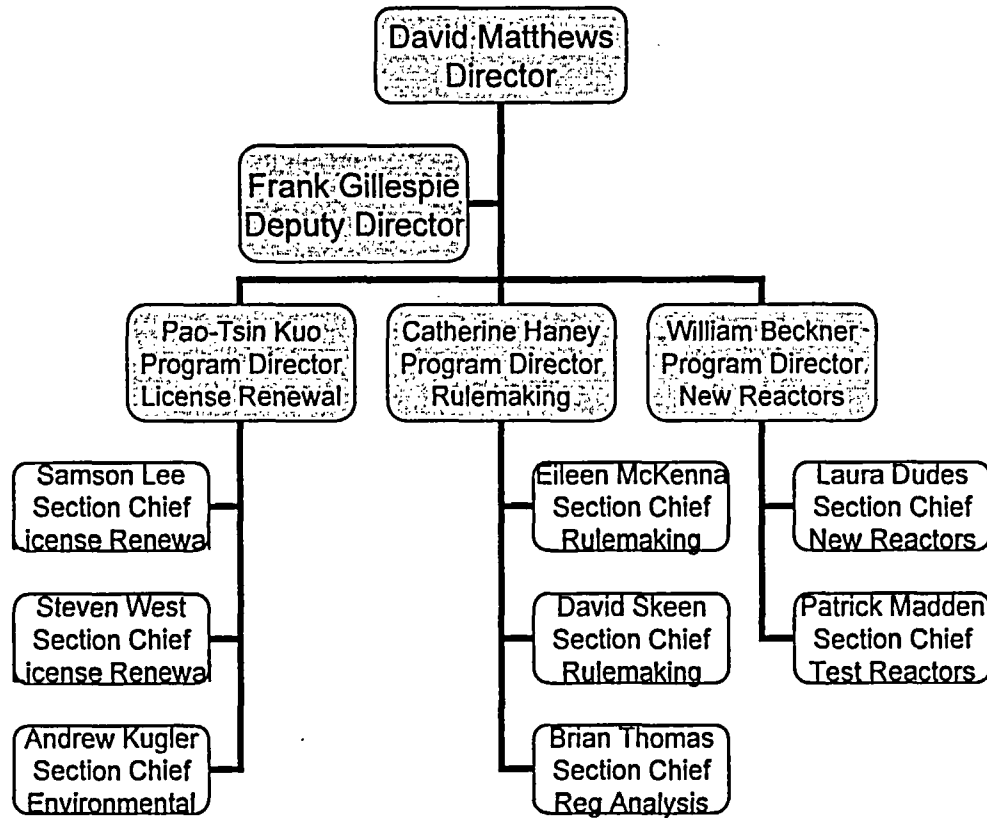
Division of Regulatory Improvement Programs



Frank P. Gillespie, Deputy Director

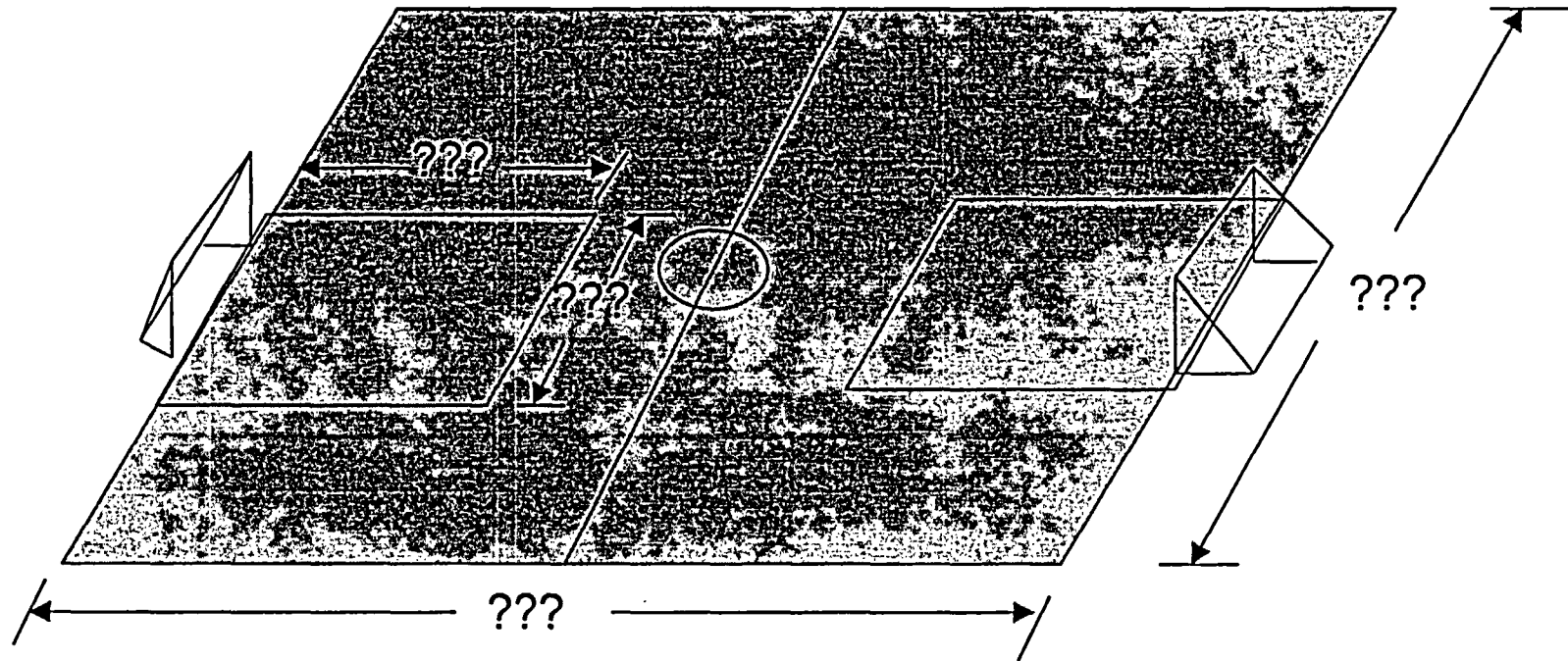


Division of Regulatory Improvement Programs





Defining the Playing Field



Rulemaking Activities



Catherine Haney, Program Director

Policy and Rulemaking Program



Policy and Rulemaking Program

■ Responsibilities

- ◆ Develop Rules
- ◆ Resolve Petitions Requesting Rule Changes
- ◆ Develop Regulatory Analysis
- ◆ Review Financial Requirements



Policy and Rulemaking Program

- Responsibilities
 - ◆ Review Decommissioning Funding
 - ◆ Review Insurance Requirements
 - ◆ Support NRR International Activities



Policy and Rulemaking Program

■ Rulemaking

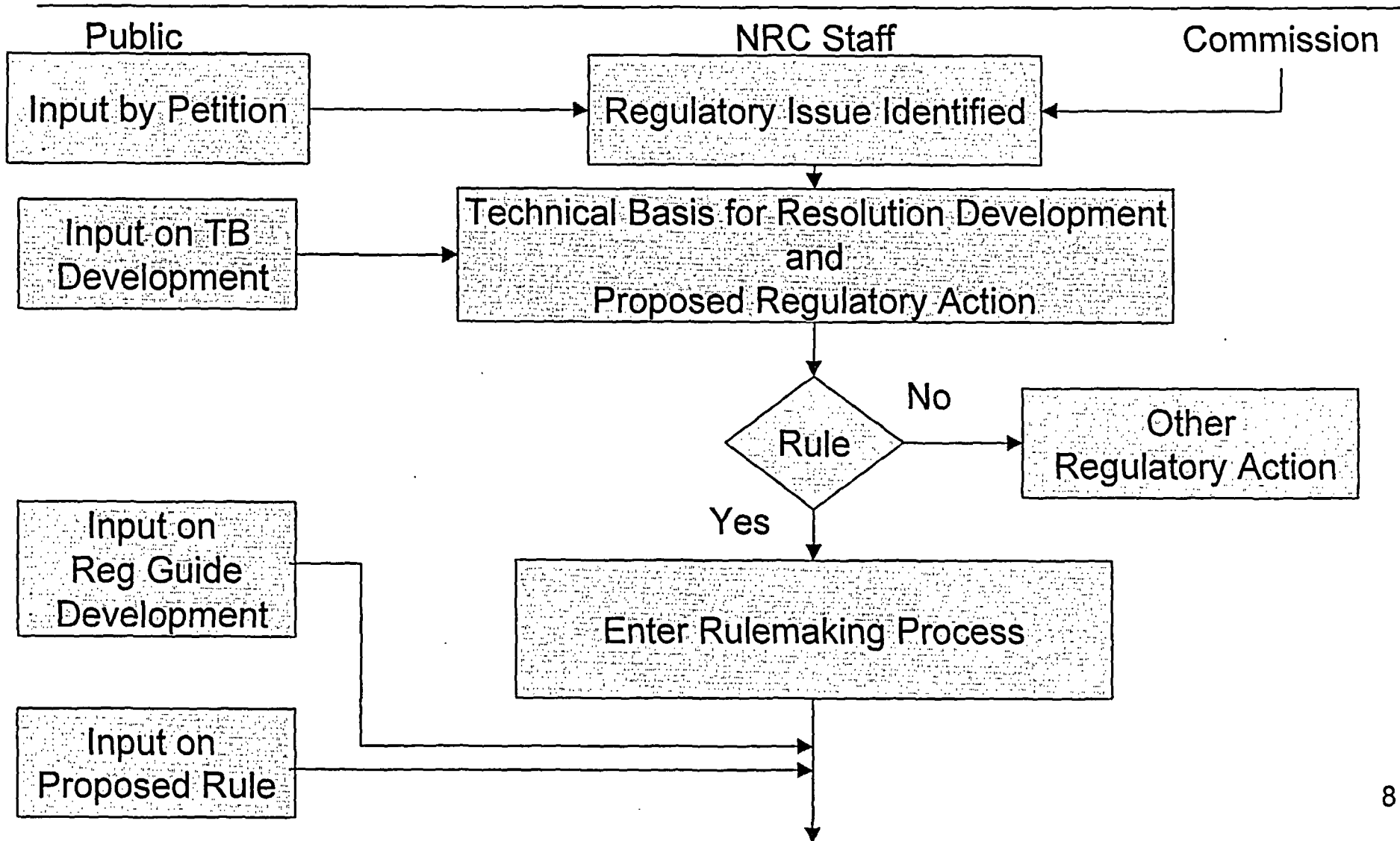
(www.nrc.gov/what-we-do/regulatory/rulemaking/public-involvement.html)

◆ Procedural Implementation

- ★ NRC Management Directive 6.3, Rulemaking Process
- ★ NRC NUREG/BR – 53, NRC Regulations Handbook
- ★ NRR Office Instruction, LIC-300, Rulemaking Procedures



Rulemaking

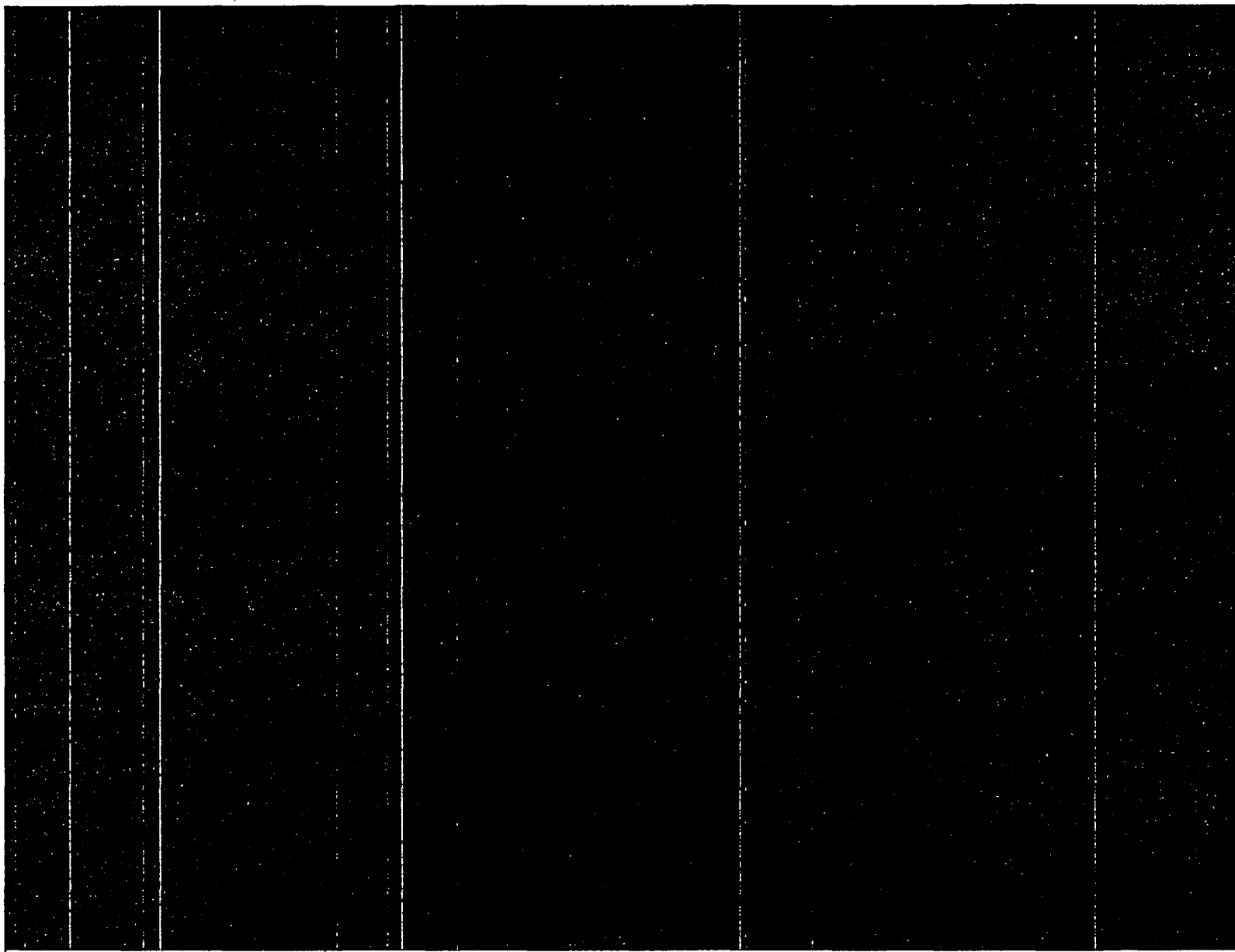




Policy and Rulemaking Program

- Schedule
 - ◆ Safety Need
 - ◆ Commission Directed
 - ◆ Ongoing Rulemaking
 - ◆ Incorporate Orders
 - ◆ Cost Beneficial

NRR RULEMAKING ACTIVITIES FY05-06



Major Milestones



Planned



Technical Basis Development



License Renewal Program



Pao-Tsin Kuo, Program Director

License Renewal and Environmental Impacts



License Renewal Program

- Program activities
 - ◆ License renewal application reviews
 - ◆ Process Improvements



License Renewal Program

Renewal Application Reviews





- Schedule
 - ◆ 22 months without hearing/30 months with
 - ◆ Maximum - 12 applications at any one time
- Status
 - ◆ Completed: 26 reactors at 15 sites
 - ◆ Under review: 8 applications for 18 reactors



License Renewal Program

Actual and Projected License Renewal Applications

| Slot | Plant | Submit | FY05 | | | | FY06 | | | |
|-------------|--------------------|--------|------|----|----|----|------|----|----|----|
| | | | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q |
| FY03 | | | | | | | | | | |
| 1 | Dresden 2,3 | Jan-03 | ■ | | | | | | | |
| 2 | Quad Cities 1,2 | Jan-03 | ■ | | | | | | | |
| 3 | Farley 1,2 | Sep-03 | ■ | ■ | ■ | ■ | | | | |
| FY04 | | | | | | | | | | |
| 1 | ANO-2 | Oct-03 | ■ | ■ | ■ | ■ | | | | |
| 2 | D.C. Cook 1,2 | Nov-03 | ■ | ■ | ■ | ■ | | | | |
| 3 | Browns Ferry 1,2,3 | Jan-04 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 4 | Millstone 2,3 | Jan-04 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 5 | Point Beach 1,2 | Feb-04 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 6 | Nine Mile Pt. 1,2 | May-04 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| FY05 | | | | | | | | | | |
| 1 | Brunswick 1,2 | Oct-04 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 2 | Beaver Valley 1,2 | Feb-05 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 3 | Pallsades | Mar-05 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 4 | Monticello | Mar-05 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 5 | Entergy Plant (1) | Jul-05 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 6 | Oyster Creek | Jul-05 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| FY06 | | | | | | | | | | |
| 1 | Entergy Plant (1) | Dec-05 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 2 | Susquehanna 1,2 | 4Q | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 3 | Entergy Plant (2) | Jul-06 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 4 | Unannounced (3) | Jul-06 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 5 | Projected | Aug-06 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 6 | Wolf Creek | Sen-06 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

 Application under review - NO HEARING (22 months)
 Application under review - Opportunity for HEARING PENDING (30 months)
 Application under review - In HEARING PROCESS (30 months)
 Planned Applications - NO HEARING (22 months)



License Renewal Program Process Improvements

- Guidance document revisions
SRP/GALL/RG/NEI 95-10/ISGs
- Audit reviews
- Benefits
 - ◆ LRA standardization & increased use of audits
 - ★ Increase effectiveness and efficiency
 - ★ Reduce scope of staff review
 - ★ Increase use of contractors – frees staff for complex policy work
 - ◆ Expect reduced review fees

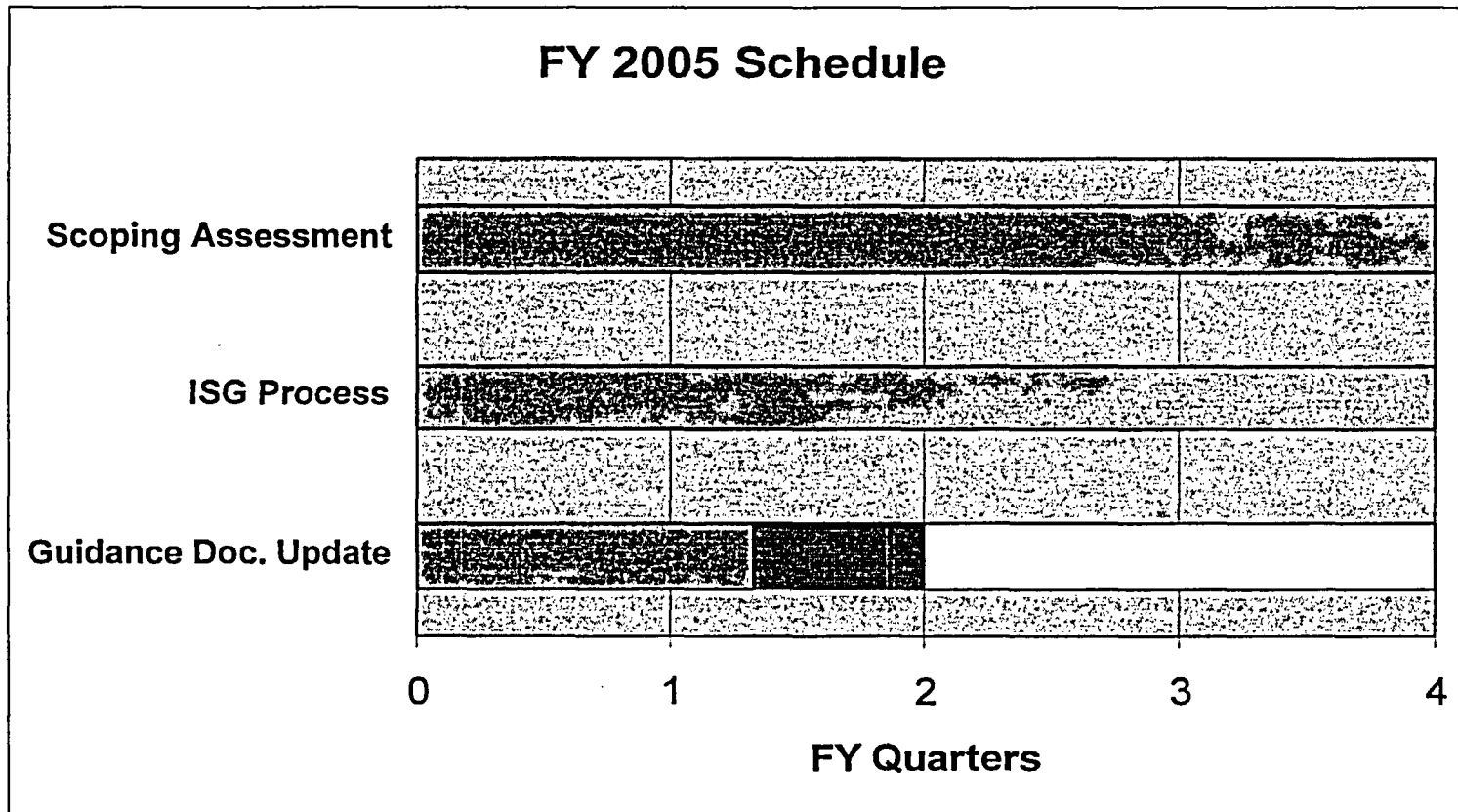


License Renewal Program Process Improvements

- Scoping and screening improvements
 - ◆ Implement task team recommendations
 - ★ Completeness, duplications, and overlaps
 - ◆ Sampling approach
 - ★ Auxiliary systems and steam & power conversion systems
- Benefits
 - ◆ Improved effectiveness and efficiency
 - ◆ Reduce staff review resources
 - ◆ Expect reduced review fees

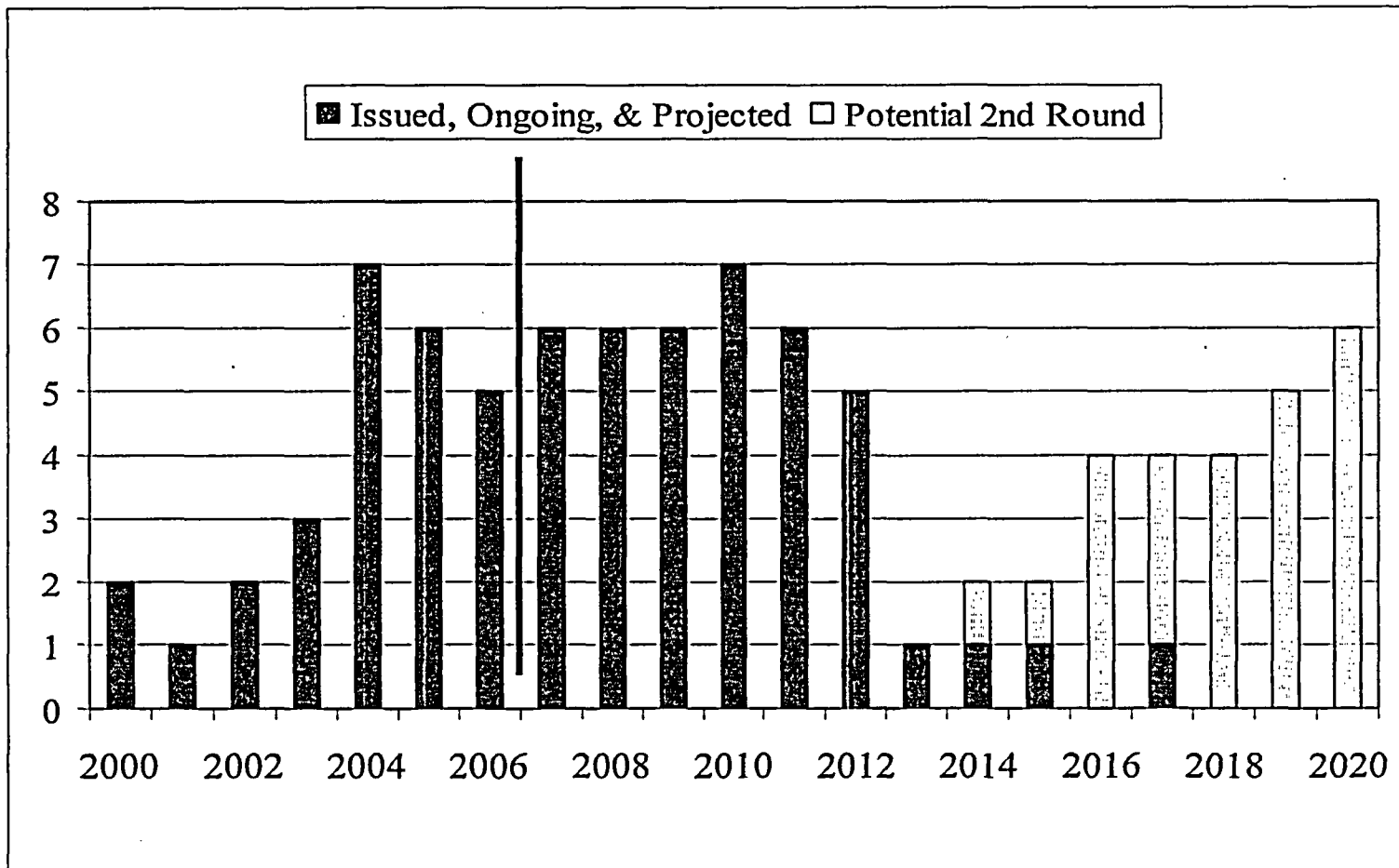


License Renewal Program Process Improvements





Renewed Licenses Issued by Site



New Reactor Licensing Activities



William D. Beckner, Program Director

New, Research and Test Reactors



New Reactor Licensing Program

- Responsibilities
 - ◆ Early Site Permits
 - ◆ Design Certifications
 - ◆ Combined License (COL)
 - ◆ Pre-application Reviews
 - ◆ Regulatory Infrastructure
 - ★ Part 52 Rulemaking
 - ★ Combined License Issues



New Reactor Licensing FY 05/06 Activities

| ID | Task Name | 2005 | | | | | 2006 | | | |
|----|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Qtr 4 | Qtr 1 | Qtr 2 | Qtr 3 | Qtr 4 | Qtr 1 | Qtr 2 | Qtr 3 | Qtr 4 |
| 1 | Early Site Permits (ESP) | | | | | | | | | |
| 2 | Dominion (North Anna) Review | | | | | | | | | |
| 3 | Dominion Mandatory Hearing | | | | | | | | | |
| 4 | Exelon (Clinton) Review | | | | | | | | | |
| 5 | Exelon Mandatory Hearing | | | | | | | | | |
| 6 | Entergy (Grand Gulf) Review | | | | | | | | | |
| 7 | Entergy Mandatory Hearing | | | | | | | | | |
| 8 | Design Certifications | | | | | | | | | |
| 9 | AP1000 Certification Rulemaking | | | | | | | | | |
| 10 | ESBWR DC application | | | | | | | | | |
| 11 | ACR-700 DC Application | | | | | | | | | |
| 12 | Part 52 Rulemaking | | | | | | | | | |
| 13 | Combined License (COL) Issues | | | | | | | | | |
| 14 | Construction Inspection Program (CIP) | | | | | | | | | |
| 15 | Programmatic ITAAC | | | | | | | | | |
| 16 | Emergency Planning ITAAC | | | | | | | | | |
| 17 | NEI 04-01 - COL Application Guidance | | | | | | | | | |
| 18 | COL Application | | | | | | | | | |
| 19 | Potential COL application in FY2006 | | | | | | | | | |

Not budgeted



Early Site Permits (ESPs)

- Plan to issue final safety evaluation reports (SERs) and final environmental impact statements (EISs) for all three ESP applications in CY 2005
- Working through “first-of-a-kind” emergent issues
 - ◆ Seismic analysis approach
 - ◆ Emergency planning (major features)
 - ◆ Use of plant parameter envelope
- Some potential for schedule impact (particularly for seismic issue)



ESPs (Continued)

- ACRS reviews of all three applications in CY2005
- Hearings for all three applications in late CY 2005 or early 2006
 - ◆ Two of three are contested – required development and maintenance of hearing and mandatory disclosure files
- Commission decision on applications expected in mid-to-late CY 2006



Design Certifications (DC)

- AP1000 final safety evaluation report (FSER) and final design approval (FDA) were issued on September 13, 2004
- AP1000 design certification rulemaking scheduled to be complete in December 2005
- Two DC applications expected in FY2005
 - ◆ ACR-700 – March 31, 2005
 - ◆ ESBWR – June 30, 2005



Design Certifications (cont.)

- ACR-700 and ESBWR pre-application reviews ongoing
- DC planning activities in FY2005
 - ◆ Goals
 - ★ Early identification of issues
 - ★ Efficient review process
 - ◆ ESBWR and ACR-700 DC review scope
 - ★ Larger in scope than AP1000
 - ★ Scope similar to first three DCs (ABWR, AP600, System80+)
 - ★ Expect many more RAIs and Open Items than AP1000
 - ★ More resources required than AP1000



Part 52 Rulemaking

- Proposed rule issued July 2003
- Comment period ended September 2003
- Resolution of comments lead to significant expansion of rulemaking effort
 - ◆ Conforming changes to all affected Parts in 10 CFR to be included
- Result is need to publish another proposed rule for comment



Combined License (COL) Issues

- The staff and NEI have identified 23 generic Combined License (COL) issues for early resolution to prepare for COL applications
- Staff expects to perform work on the five of these generic COL issues in FY 2005:
 - ◆ NRC's Construction Inspection Program
 - ◆ Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) for operational programs (Programmatic ITAAC)
 - ◆ Emergency Planning ITAAC
 - ◆ NEI 04-01, "COL Process and Application Guidance"
 - ◆ 10 CFR Part 52 rulemaking (see previous slide)



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