

Future Licensing Activities

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Presentation to the
Office of the General Counsel

November 20, 2001

EJB
1/17

Background

What has changed?

- Recent industry interest
- NEI executive task force on new plants
- National energy policy

Background

What has NRC done?

- February 13, 2001 Staff Requirements Memorandum
- New Reactor Licensing Project Organization in NRR and Advanced Reactor Group in RES formed
- Future Licensing and Inspection Readiness Assessment (FLIRA) completed

Resources

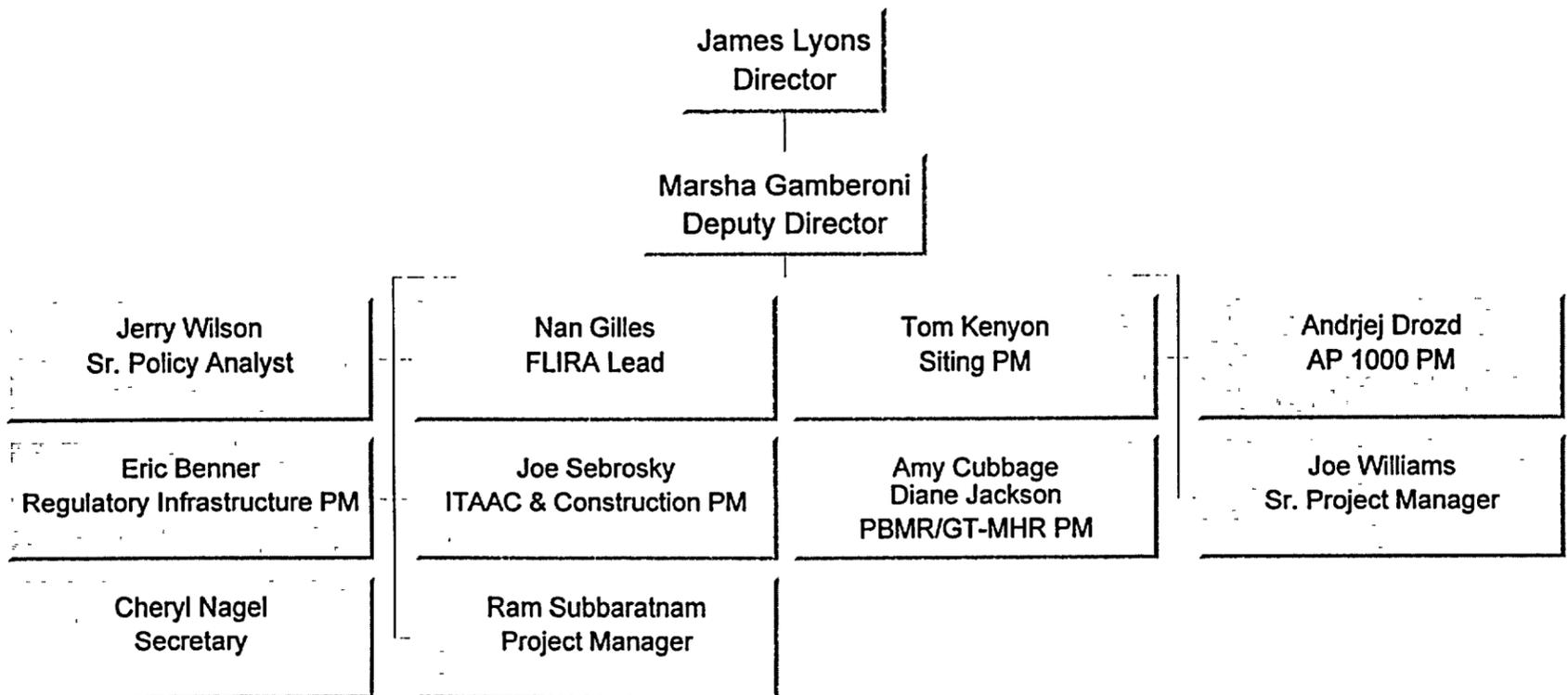
- FY 2002 - \$10 million for future licensing
- FY 2003 - \$24.8 million for future licensing
- Staff is prioritizing future licensing activities based on most recent industry information
- Resource needs and allocations are subject to change based on new information regarding industry plans

*Less than what
FEIRA
any is
needed*



New Reactor Licensing Project Organization

Staffing



Future Licensing and Inspection Readiness Assessment

- Assess technical, licensing, and inspection capabilities
- Identify enhancements for reviewing/inspecting:
 - ▶ Early site permits
 - ▶ License applications
 - ▶ Construction of new plants
- Assess 10 CFR 50 & 52 regulatory infrastructure
- Consider:
 - ▶ Certified designs
 - ▶ Pebble Bed Modular Reactor
 - ▶ Other Generation 3+ and 4 light water reactors

Early Site Permits

- Preparation for early site permit reviews, including pre-application activities
- Budget assumes one ESP application in FY 2002 (Exelon?) and one in FY 2003 (Dominion or Entergy?)

Pre-Application and License Reviews

■ AP 1000

- ▶ Pre-application review underway
- ▶ Design certification submittal is possible in 2002

■ Pebble Bed Modular Reactor

- ▶ Pre-application review
 - RES lead with NRR support
- ▶ Combined license application is possible in 2003

■ Other Designs

▶ GT-MHR

▶ IRIS

(W)

(slipped from 2002)

Regulatory Infrastructure

- Update 10 CFR Part 52 (Proposed Rule in 2002)
- Alternate Sites Rulemaking → *early stages*
- NEI Petitions
- Revise 10 CFR Part 51 Tables S-3 and S-4 → *update & revise to cover non-LWRs*
- 10 CFR Part 50 Appendix I Rulemaking
- Financial/Legal Issues
- Construction Inspection Program
- Codes and Testing
- New Plant Regulatory Framework → *white paper proposal from industry ~ 4/2002*

Future Commission Correspondence

- Legal and Financial Issues Nov. 2001
- Exelon's Licensing Approach Nov. 2001
- AP1000 Phase 2 Review Apr. 2002
- Proposed Part 52 Revision Apr. 2002
- Alternative Regulatory Frameworks Jun. 2002
- PBMR Technical Issues Jun. 2002
- PBMR Policy Issues Dec. 2002