



Commission Briefing Nuclear Reactor Safety Program

**Office of Nuclear Reactor Regulation
March 24, 2004**

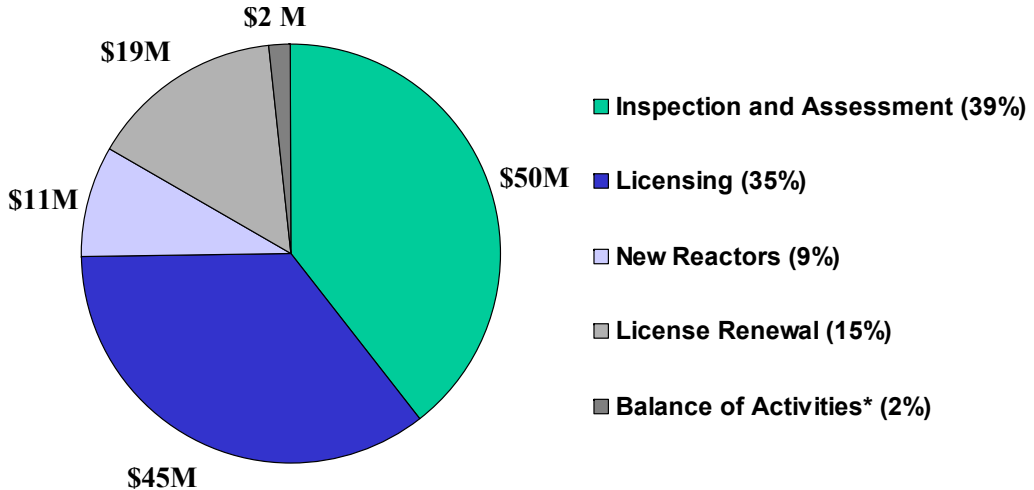
Briefing Topics

- **Reactor Inspection and Assessment**
- **New Reactors**
- **License Renewal**
- **Reactor Licensing**
- **Current Technical Issues**
- **Summary**

NRR Initiatives

- **Safety, Security and Emergency Preparedness Integration**
- **Communications Improvement**
- **Safety Culture Improvement**
- **Human Capital Development**
- **Cost Effective Implementation of Programs**

Reactor Budget Overview



FY2004 values exclude overhead (\$18M) and travel (\$1.8M) and are displayed in equivalent dollars (in millions)

*Includes Homeland Security, Decommissioning, and International Activities

Reactor Inspection and Assessment

- **Key Accomplishments:**
 - **Davis-Besse Restart Oversight**
 - **CY03 Baseline Inspection Completion**
 - **Inspection Manual Chapter 0350 Revision**
 - **Significance Determination Process (SDP) Inspection Notebook Development**

Reactor Inspection and Assessment

- **Key Initiatives:**
 - **Continued SDP Development**
 - **Performance Indicator Improvements**
 - **Engineering Inspection Improvements**
 - **Cross-Cutting Issue Development**
 - **Operating Experience Task Force Recommendations**

New Reactors

- **Key Accomplishments:**
 - **Early Site Permit Receipt**
 - **AP1000 Design Certification Reviews**
 - **Pre-application Reviews**
 - **Draft Construction Inspection Program**

New Reactors

- **Key Initiatives:**
 - **Combined License Preparation**
 - **Construction Inspection Program**
 - **Transition from Pre-application to Design Certification**
 - **Additional Pre-application Reviews**

License Renewal

- **Key Accomplishments:**
 - **23 Units Completed**
 - **6 Units in FY03, 7 in FY04**
 - **19 Units Currently Under Review**
 - **Letters of Intent for 4 Units in FY04**
 - **Developed New Review Process for Pilot Plants**

License Renewal

- **Key Initiatives:**

- **Update Guidance Documents**
- **Implement New Review Process**
- **Application Submittal Schedule**

Reactor Licensing

- **Key Accomplishments:**
 - **Met Licensing Action Output Goals**
 - **Access Authorization Order Closeout**
 - **Issued Review Standard for Extended Power Uprates (RS-001)**

Reactor Licensing

- **Key Initiatives:**
 - **Security Plan Review Integrated Team**
 - **MOX Licensing Activities**
 - **Standard Review Plan Update**
 - **Topical Report Reviews**
 - **Rulemaking Process Improvements**

Current Technical Issues

- **Grid Reliability**
- **Power Uprate Issues**
- **Material Degradation**
- **Containment Sump Issues**
- **Fire Protection**
- **Risk-Informed Regulation**

Summary

- **Enhancing safety focus**
- **Working with all stakeholders to improve program effectiveness**
- **Committed to infrastructure development**
- **Continuing improvement initiatives**