



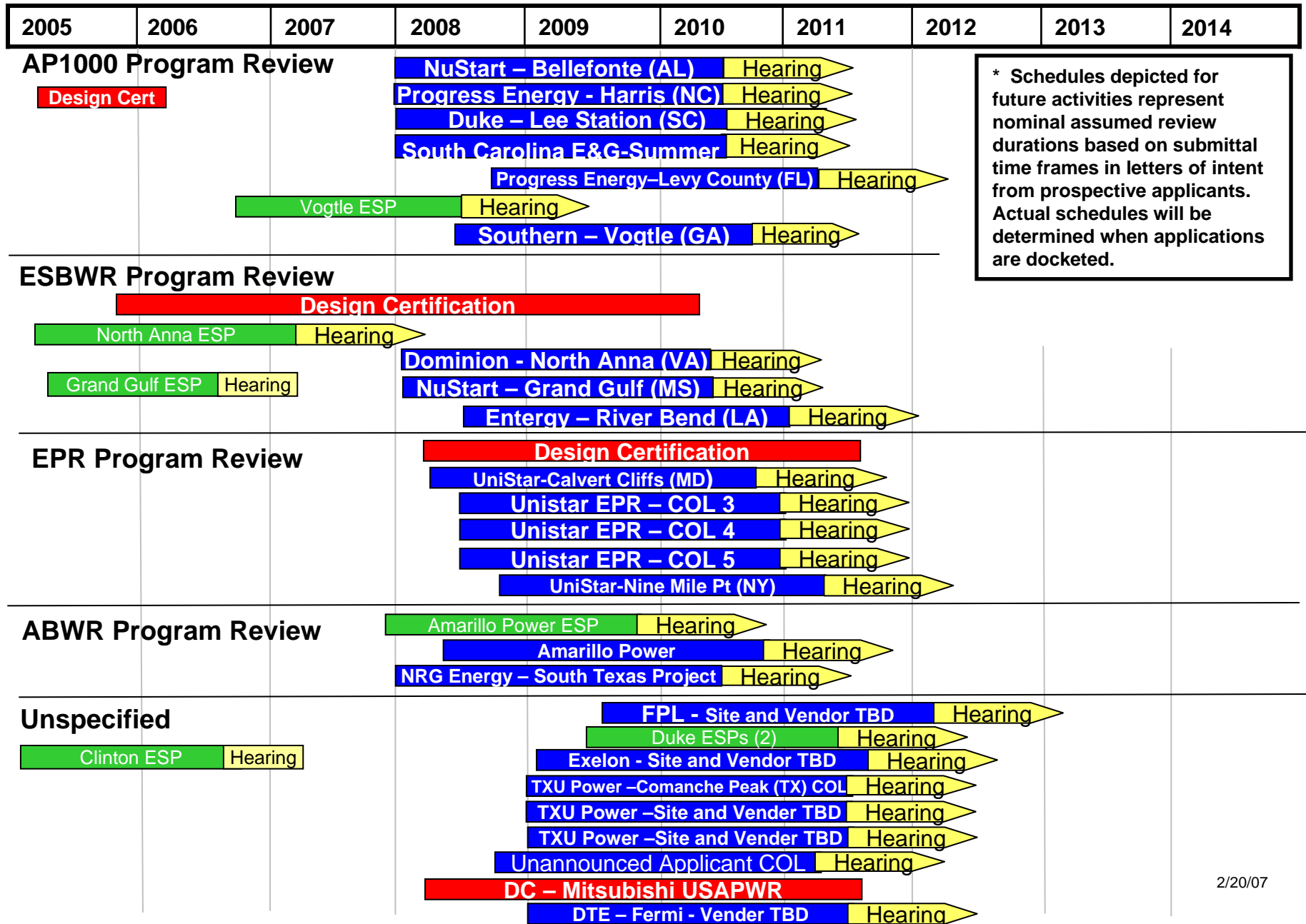
STATUS OF NEW REACTOR ISSUES

February 28, 2007

Luis Reyes, Executive
Director for Operations

New Reactor Licensing Applications

An estimated schedule by Fiscal Year



* Schedules depicted for future activities represent nominal assumed review durations based on submittal time frames in letters of intent from prospective applicants. Actual schedules will be determined when applications are docketed.

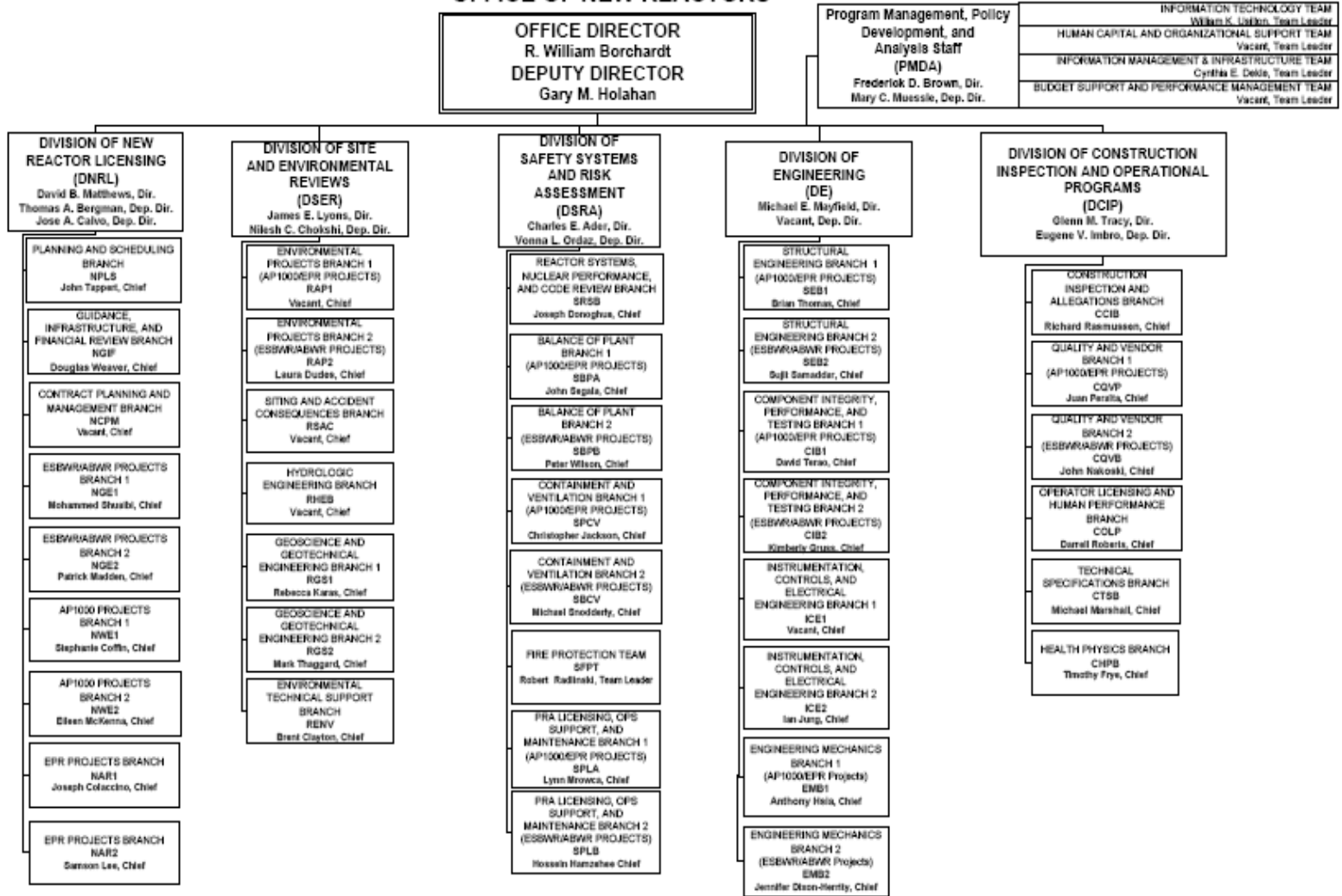
Agenda

- Transition Status
- Infrastructure Status
- Project Status

NRO Mission Statement

The Office of New Reactors serves the public interest by enabling the safe, secure, and environmentally responsible use of nuclear power in meeting the nation's future energy needs.

OFFICE OF NEW REACTORS



Updated 02/13/07

Transition Issues

- Agreement with NRR on staff assignments
- Partnering on reorganization
- Office space
- NRO web page

Staffing Milestones NRO/Region II

- October 2006 on board: 85
- December 2006 on board: 100/4
- February 2007 on board: 243/6
- Target Staffing level FY08: 355/20

Coordination Issues

- Technical Consistency
- Security/Emergency Planning
- Multinational Design Evaluation Program
- Advanced Reactor Coordination
- Interface Committees

Infrastructure Status

- Rulemaking
- Guidance Development
- InfrastructureTools
- Technical Assistance Contracting
- Development of Construction Inspection Program

Rulemaking

- Part 52
- Limited Work Authorization
- Fitness for Duty requirements for construction
- Security Rulemakings
 - Design Basis Threat
 - Power Reactor Security Requirements
 - Security Assessments

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Guidance Development

- SRP Update: ACRS interactions
- DG-1145 "Combined License Applications for Nuclear Power Plants" : Resolving public comments
- Regulatory Guide updates
- Performing consistency review between draft Part 52 rule, SRP, DG-1145, and Regulatory Guides.

InfrastructureTools

- Licensing Program Plan
- Construction Inspection Program Information Management System
- Electronic filing, review, and distribution
- Tools to assist reviewers

Technical Assistance Contracting

- Adds flexibility to address a changing workload
- Provides needed technical expertise
- Includes a mix of commercial, small businesses, and national laboratories
- Includes large flexible multi-year contracts
- Lean Six Sigma pilot application

Construction Inspection Program Development

- ITAAC Inspection procedures
- Non - ITAAC Inspection procedures
- Early site permit inspections
- Vendor inspections

Project Status

- Current Application Review Activities
- Pre-application review activities
- Multinational Design Evaluation Program

Current Application Review Activities

- Early site permits for Clinton, Grand Gulf, North Anna, and Vogtle
- ESBWR design certification

Pre-application Review Activities

- AP-1000 pre-Combined License activities
- Evolutionary Power Reactor (EPR) pre-design certification activities
- Creation of and interactions with Design Centered Working Groups

Multinational Design Evaluation Program

- Stage 1 focused on the AREVA EPR
- On-going interactions with technical/regulatory counterparts in Finland and France

Future Briefings

- Construction Inspection and Oversight program
- Early Site Permit Lessons Learned
- Technical Review Challenges
- External outreach activities
- Contracting Strategy and Process Improvements
- International Cooperation/MDEP
- Advanced reactor activities
- Technical consistency between operating and new reactors
- Environmental issues
- Standardization

Acronyms

- SRP – Standard Review Plan
- ACRS – Advisory Committee on Reactor Safeguards
- ITAAC – Inspections, Tests, Analyses and Acceptance Criteria
- ESBWR – Economic Simplified Boiling Water Reactor
- EPR – Evolutionary Power Reactor