Status of New Reactor and Combined License Issues

Industry Briefing of NRC Commission

August 22, 2007



Industry Participants

- Marvin Fertel, Senior Vice President and Chief
 Nuclear Officer, NEI
- Christopher Crane, President and Chief Nuclear
 Officer, Exelon Nuclear
- Dave Christian, Senior Vice President and Chief
 Nuclear Officer, Dominion Generation



Discussion Topics

- Key policy issues
- COL issues
 - Completion of rulemakings and guidance
- Critical industry activities
- The next 12 months
 - Completion of near-term priorities



Key Policy Issues

- Publish Part 26 Rulemaking
- Issue Notice of Hearing after docketing each portion of an application
 - Facilitates the potential for earlier operational date
- Recognition of EP adequacy for a new unit at an existing operating site
- Affirm Waste Confidence position



COL Issues

- Outstanding progress over past 10 months
- Limited number of open issues requiring closure...
 - Access Authorization
 - Digital I&C
 - New QA process for effluents
 - Radiological Protection
 - ISI/IST
 - PRA
- Commission directed transparency & accountability in the hearing process



Completion of COL Related Rulemakings

Limited Work Authorization

- Will increase focus on safety-significant construction
- Foundation for earlier operational date

Aircraft Impact

- Industry peer review of evaluations
- Industry taking action in advance of the rule

Security -- §73.55

New designs incorporating insights from security evaluations on operating plants



Critical Industry Tasks

- Industry orientation on lessons learned from recent construction
- Supply Chain
 - Focus on quality
 - Expanding NUPIC activities
 - Preventing Counterfeit/substandard parts
 - Broadening number of qualified vendors
- Workforce
 - Prime focus on skilled craft
 - Regional workforce groups
 - Establishing partnerships with community colleges



Critical Focus Areas

- Preparation and review of COL and design certification applications
- Construction Inspection Program development
 - Defining the ITAAC closeout process
- Improving the environmental review process
- Next phase of regulatory guide updates
 - Rationale for making changes



Summary

- Predictability, open communications and quality applications are essential for success
- Industry priorities
 - COL and design certification applications
 - Construction inspection & closeout
 - Completion of rulemakings
 - Waste confidence
- Next 12 months are critical for credibility

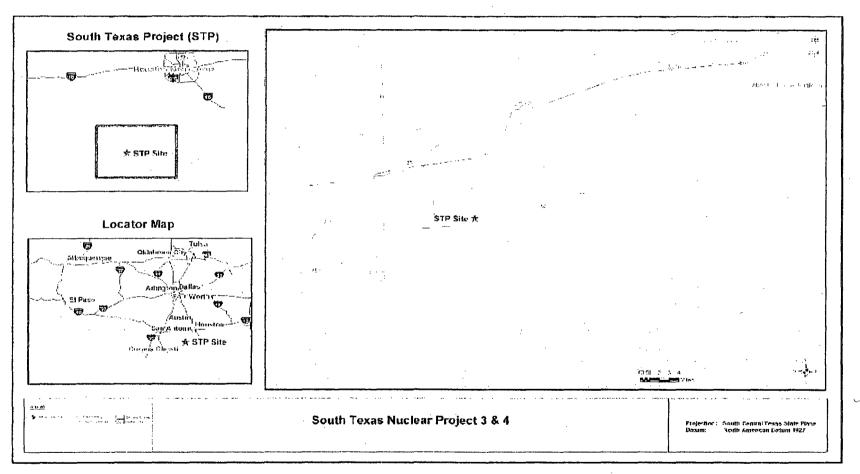




Impacts of New Nuclear Units in Watagorda County

August 22, 2007
Richard Knapik
Mayor of Bay City Texas

Watagorda County



Watagorda County

- Description
- Demographics
- · Economy

Key Impacts

- · Housing
- Schools
- Traffic
- Infrastructure

Benefits of New Plants

- · Education
- · High paying jobs
- · Clean Industry
- Economic growth
- · Emergency Preparedness
- · Corporate support for local needs

Wharton County Junior College Extension





STATUS OF NEW REACTOR ISSUES

August 22, 2007
Luis Reyes
Executive Director for Operations

Agenda

- Overview of New Reactor Status
- Program Activities
- Reviewer Activities
- Stakeholder Interface

New Reactor Licensing Applications (Site and Technology Selected) An estimated schedule by Fiscal Year

2005	2006	2007	2008	2009	2010	2011	2012		2013	2014
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ABWR	Program Re	eview	NRG Energy	South Texas Pro		ring>	nug-			
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New Reactor Licensing Applications (Site or Technology TBD) An estimated schedule by Fiscal Year

2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		
AP1000 Program Review								* Schedules depicted for future activities represent nominal assumed review durations based on submittal time frames in letters of intent			
ESBWR	R Program	Review						from prospective Actual schedules determined when are docketed.	s will be		
EPR Pr	ogram Rev	view						Legend: Design Celil Combined I	Hair San		
ABWR Program Review							Hearing Post SER/EIS Hearing (other hearing activities occur during ESP/COL safety and environmental reviews)				
USAPV	VR Progra	m Review						Number in () nexindicate number			
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	的神话。	earing		Submittal Dates TBD Submittal Dates TBD Hearing > Florida P&L Site and Vendor, TBD Hearing >							
				Exelon. Te	xas-Sile and		Hearing >	9 >			

Infrastructure

- Contracting
- Licensing Program Plan
- Safety Evaluation Report Templates
- Rulemaking
 - -Limited Work Authorization
 - **-Part 52**
 - Security

Pre-application Activities

- Outreach Meetings
- Quality Assurance Audits
- Pre-application Site Visits
- Pre-application Reviews and Interactions
 - Topical Reports
 - Design Centered Working Group Meetings

Reviewer Tools

- Acceptance Review Process
- Regulatory Guides/Standard
 Review Plan
- Technical Consistency Office Instruction
- Knowledge Management tools (e.g., Wizard)

Ongoing Technical Reviews

- Design Certifications
- Early Site Permits
- Pre-Application Activities
 - Technical Reports
 - Early Engagement on Long Lead Time Items

Continued Focus Areas

- Resources
 - Critical skills-Hiring
 - Staff Development
 - Contracts
- Technical Issues
 - Digital Instrumentation and Controls
 - Seismic
 - Inspections, Tests, Analyses, and Acceptance Criteria
 - Emerging Issues

Security

- Interactions
 - External: Department of Homeland Security, the public, industry, and vendors
- Readiness
 - Licensing
 - Schedule input
 - Staffing

Emergency Planning

- Interactions
 - External: Federal Emergency
 Management Agency, the public,
 industry
- Readiness
 - Regulations & Guidance updated
 - Schedule
 - Staffing

Government to Government Interactions

- Federal
- State
- Local
- Tribal

Public Outreach Efforts

- Public Outreach Meetings
- Environmental Scoping Meetings
- Draft Environmental Impact
 Statement
- Technical Meetings
- Workshops

International Communications

- Multinational Design Evaluation Program
- Bi-lateral Meetings
- Interactions with Chinese Regulatory Agency

Conclusion

- Significant accomplishments
- Productive pre-application activities
- Enhancing program management
- Planning for contingencies