

# **PBMR Pre-Application Meeting**

Presented to the U.S. Nuclear  
Regulatory Commission  
July 17-18, 2001

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# Pre-Application Issues – NRC Staff Schedules

- Licensing Approach
- **September, 2001:** Staff recommendations
- **October, 2001:** ACRS recommendations
- **December, 2001:** Commission Paper
- Technical
- **December, 2001:** Staff recommendations
- **January, 2002:** ACRS recommendations
- **April, 2002:** Commission Paper
- Policy
- **June, 2002:** Staff recommendations
- **July, 2002:** ACRS recommendations
- **September, 2002:** Commission Paper

# Pre-Application Objectives - Exelon Licensing Approach Introductions

- ✓ Licensing Approach
  - Agreement on approach - Commission Paper
- ✓ Part 52 Process
  - Agreement on process and schedule –  
Commission Paper
- ✓ 9 White Papers
  - Staff positions and initiation of actions
- August 2001 - License Application
  - Agreement on format, content, resolution process

# Pre-Application Objectives – Exelon Technical Topic Introductions

Common understanding of design; Identification of the level of information necessary in order to obtain license; Early identification of additional or unique requirements

✓ **June, 2001** - Fuel

✓ **July, 2001** - Codes and standards

**August, 2001** - Analytical codes

- Core Design (steady/transients)
- Shut-down cooling and shut-down capability

**September, 2001**

- Confirmatory test program / ITAAC
- High temperature material
- Fuel handing system
- Source term

**October, 2001** – Graphite chemical attack

- Security / safeguards
- Control room design / habitability

**November, 2001** - Waste characteristics

- Brayton Cycle / Power conversion unit

**December, 2001** - Open

# Pre-Application Objectives - Exelon Policy Topic Introductions

- Review of Current Commission Policies
  - No changes, or
  - Changes noted and staff recommendations

**January, 2002** - Containment  
- Control room habitability / staffing

**February, 2002** - Emergency preparedness  
- Defense-in-depth

**March, 2002** - Human factors  
- Shutdown Margin  
- Others