

COMMISSION BRIEFING SLIDES/EXHIBITS

**BRIEFING ON LICENSE RENEWAL PROGRAM
AND POWER UPRATE REVIEW ACTIVITIES**

JULY 10, 2002

POWER REACTOR LICENSE RENEWAL

Dr. Pao-Tsin Kuo
Office of Nuclear Reactor Regulation

Commission Meeting
July 10, 2002

JUL 02 RECD

ANNUAL STATUS UPDATE

- **Program Performance**
- **Guidance Documents**
- **Status of Applications**
- **Future Activities**

PROGRAM PERFORMANCE

- **Strategic and Operating Plan**
- **Policy Issues**
- **Potential Challenges**

COMPLETED GUIDANCE

- **RG 1.188, Standard Format and Content for Applications**
- **NEI 95-10, Industry Guideline for Implementing License Renewal**
- **NUREG-1801, Generic Aging Lessons Learned (GALL) Report**
- **NUREG-1800, Standard Review Plan**

DEMONSTRATION PROJECT

- **Began 5/01 and Completed 10/01**
- **Sample Applications**
- **Exercised GALL References**
- **Prepared NRC Safety Evaluations**
- **Table Top Inspections**

RESOLUTION OF ISSUES

- **SECY-01-0074 Identified Five Issues for Continued Dialog With the Industry**
- **The Five Issues Were Resolved After Several Public Meetings**
- **Document as Interim Staff Guidance**

STAFF GUIDANCE

- **Concrete Aging**
- **Station Blackout**

APPLICATIONS APPROVED

- **Calvert Cliffs, Units 1 & 2 (2/23/00)**
- **Oconee, Units 1, 2, & 3 (5/23/00)**
- **ANO, Unit 1 (6/20/01)**
- **Hatch, Units 1 & 2 (1/15/02)**
- **Turkey Point, Units 3 & 4 (6/6/02)**

APPLICATIONS UNDER REVIEW

- **North Anna and Surry, Units 1 & 2**
- **McGuire and Catawba, Units 1 & 2**
- **Peach Bottom, Units 2 & 3**
- **St. Lucie, Units 1 & 2**
- **Fort Calhoun, Unit 1**
- **H.B. Robinson, Unit 2**

APPLICATIONS

NUMBER
RECEIVED

TIME FOR REVIEW

FY02

FY03

FY04

FY05

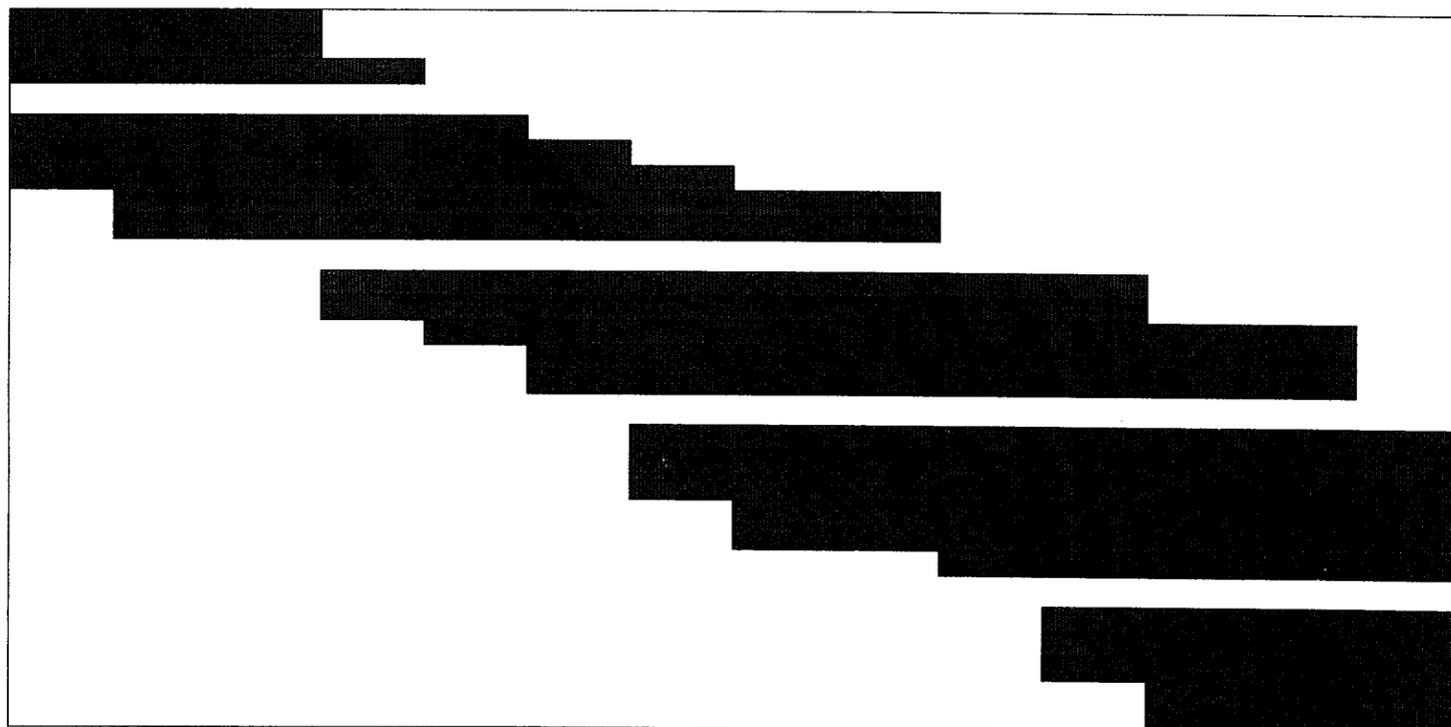
FY01

FY02

FY03

FY04

FY05



UNIQUE APPLICATIONS

- **Different Designs at Single Site and 20 Year Exemption Request**
 - **Millstone, Units 2 & 3**
 - **Nine Mile Point, Units 1 & 2**
- **Browns Ferry, Unit 1**

FUTURE ACTIVITIES

- **License Renewal Workshop**
- **Update Guidance Documents**

POWER UPRATE PROGRAM

Mohammed A. Shuaibi

Office of Nuclear Reactor Regulation

Commission Meeting
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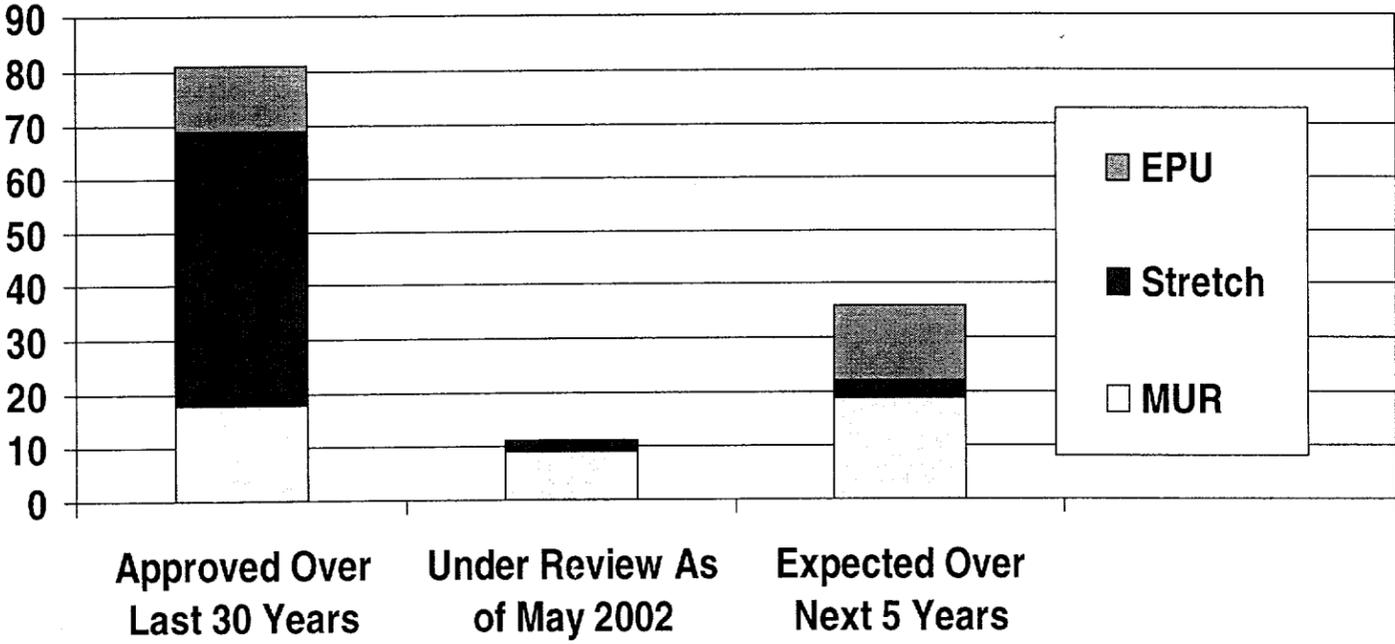
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- Status
 - Completed Initiatives
 - Ongoing Initiatives
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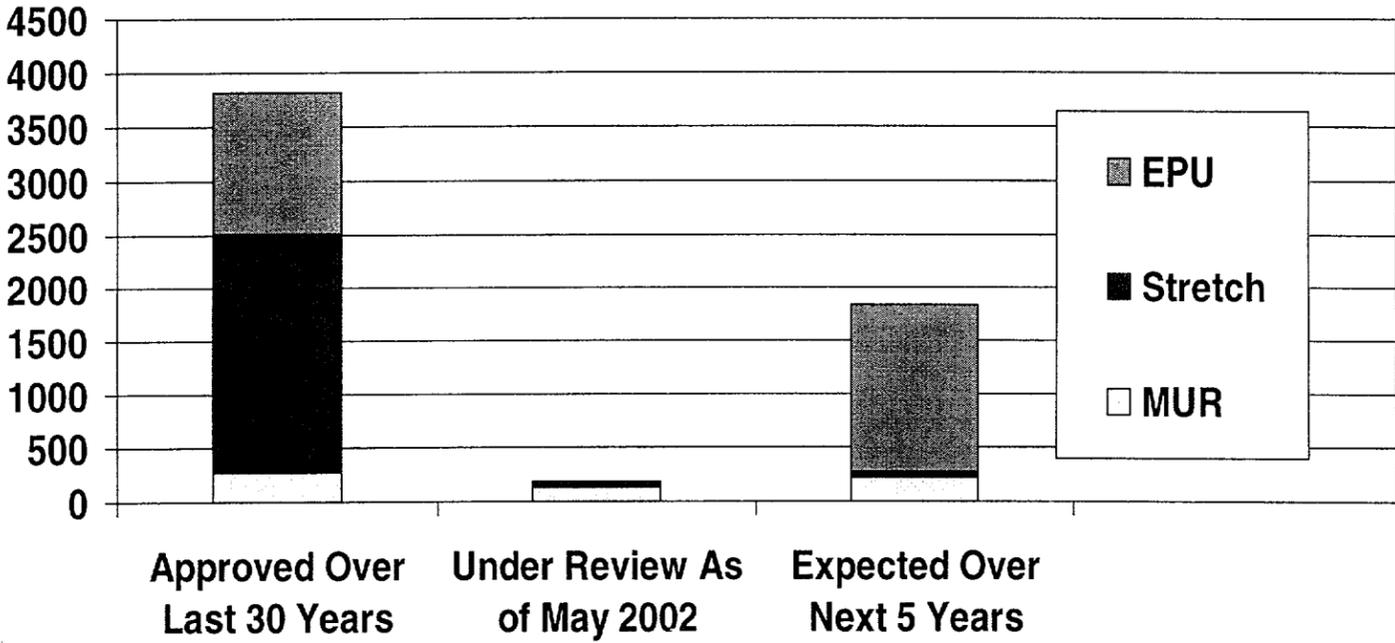
TYPES OF POWER UPDATES

- Measurement Uncertainty Recapture (MUR)
 - Stretch Power Updates
 - Extended Power Updates (EPUs)
-

NUMBER OF APPLICATIONS



MEGAWATTS ELECTRIC



PRIORITY

- High Priority
 - Among Most Significant Licensing Actions
 - No Unnecessary Delays
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ORDER OF PRIORITY

- Plant-Specific Applications
 - Generic Topical Reports
 - Process Improvements
-

PLANNING/SCHEDULING

- 6 Months for MUR Power Upgrades
 - 9 Months for Stretch Power Upgrades
 - 12 Months for EPUs
-

COMPLETED INITIATIVES

- Improved Communication
 - Issued Regulatory Issue Summary for MUR Power Uprates
 - Improved Schedule Management
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INITIATIVES IN PROGRESS

- Review Standard
 - Assessment of Past Experience
 - Effective Utilization of Resources
-

INITIATIVES IN PROGRESS

- Inspection Procedure for Extended Power Uprates
 - Schedules
 - Centralized Work Planning
-

CONCLUSION

- Approved 81 Power Uprates
(24 in the last 12 months alone)
 - Improved Power Uprate Program
 - Further Improvement Underway
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