



U.S. NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

Seabrook Station License Renewal Process Overview And Scoping Meeting

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**Division of License Renewal
Office of Nuclear Reactor Regulation**

Meeting Purpose

- Provide you an overview of our license renewal review process
 - Safety review
 - Environmental review
- Collect your input on the scope of the environmental review

NRC's Mission

- To enable the nation to safely use radioactive materials for beneficial civilian purposes while:
 - Protecting your health and safety
 - Promoting the common defense and security
 - Protecting the environment

Seabrook Station License Renewal

- Current license expires: 2030 (40 years of operation)
- License renewal application received: 6/1/2010
- If renewed, license would expire: 2050 (period of extended operations requested is 2030-2050)

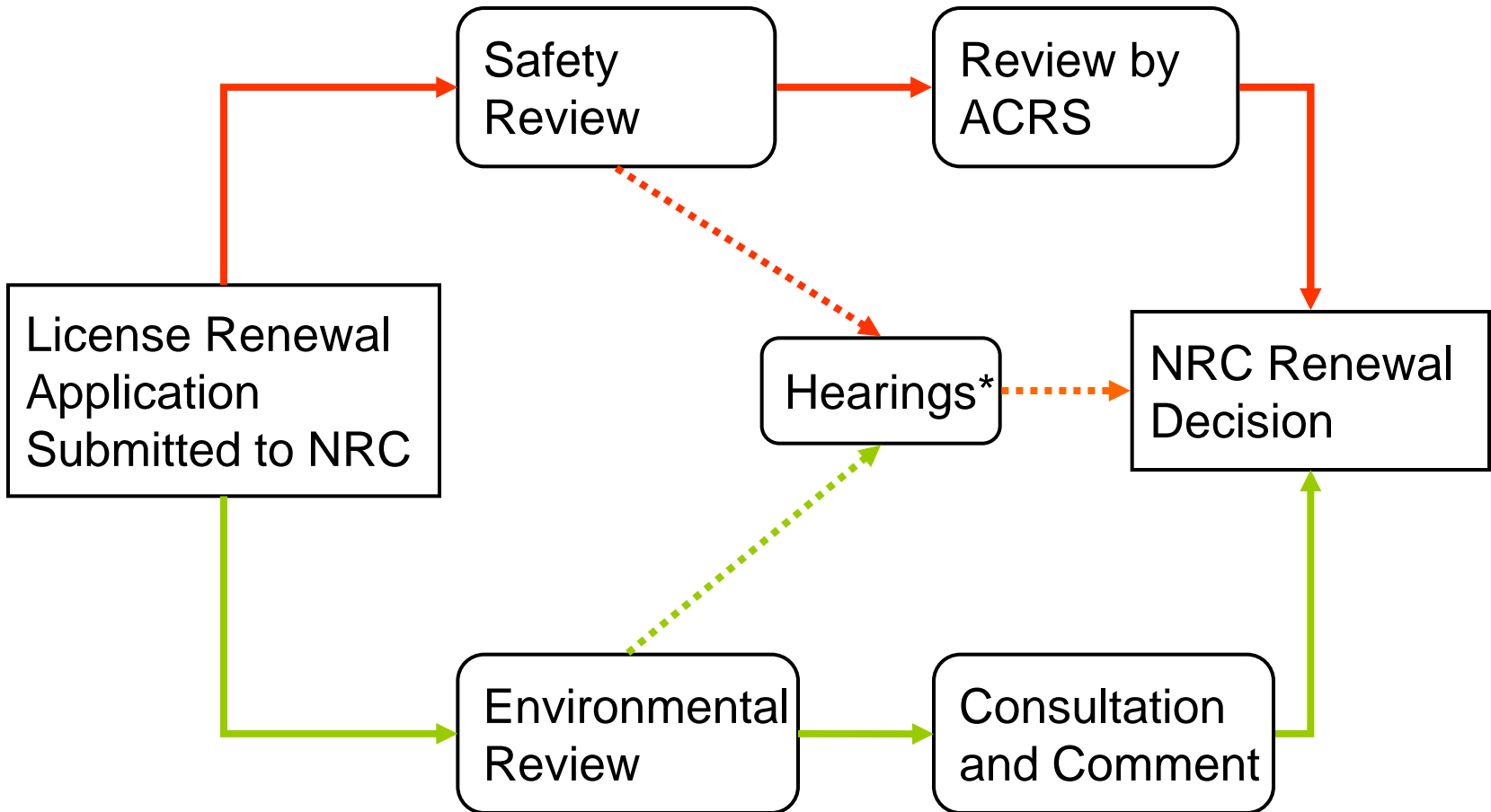
Why 20 years?

- Why can Seabrook Station apply for renewal with 20 years remaining on its current license?

The NRC determined that:

- 20 years of operational and regulatory experience provides an applicant with substantial amounts of information and would disclose any plant-specific concerns with regard to age-related degradation
- 20 years remaining on the operating license would be reasonable considering the estimated time for utilities to plan for replacement of retired plants

License Renewal Process



* If a Request for Hearing is Granted

Review Schedule

- 22 months is the target
- Hearings, if granted, add time
- Scheduled to be completed in April 2012 (if no hearing)

Application Contents

- General information about the plant owner or operator
- Technical information about the plant and how the applicant proposes to manage aging
- Changes to plant operating limits related to aging management
- Environmental report estimating the effects of extending the license by 20 years

Safety Review

(10 CFR Part 54)

- Focus is on how aging affects structures important to plant safety
- Staff review to determine that aging effects will be effectively managed
 - Review application and supporting documentation
 - Onsite audits
- Onsite inspections by NRC Region I (office located in King of Prussia, PA)
- Issue Safety Evaluation Report
- Independent review by the Advisory Committee on Reactor Safeguards (ACRS)

License Renewal Safety Principles

- The ongoing regulatory process is adequate to ensure the safety of all currently operating plants
- The same plant operating rules apply during the renewal term
 - NRC applies additional conditions for aging management

Ongoing Regulatory Oversight*

- Emergency Planning
 - 10 CFR Section 50.47
- Security
 - 10 CFR Part 73
- Current Safety Performance
 - Reactor Oversight Process

*Not specifically reassessed in license renewal

Safety Review Public Involvement

- Hearing requests
 - Deadline is Sept 20th
- ACRS meetings (tentative dates)
 - September 2011
 - February 2012

Environmental Review (10 CFR Part 51)

- **Public input drives consideration of environmental issues**
- Staff prepares an Environmental Impact Statement
- Investigation and disclosure of environmental impacts of continued plant operation for an additional 20 years
- Staff review to determine if the adverse environmental impacts are great enough to deny the option of license renewal for energy-planning decision makers

Environmental Impact Statement Purpose

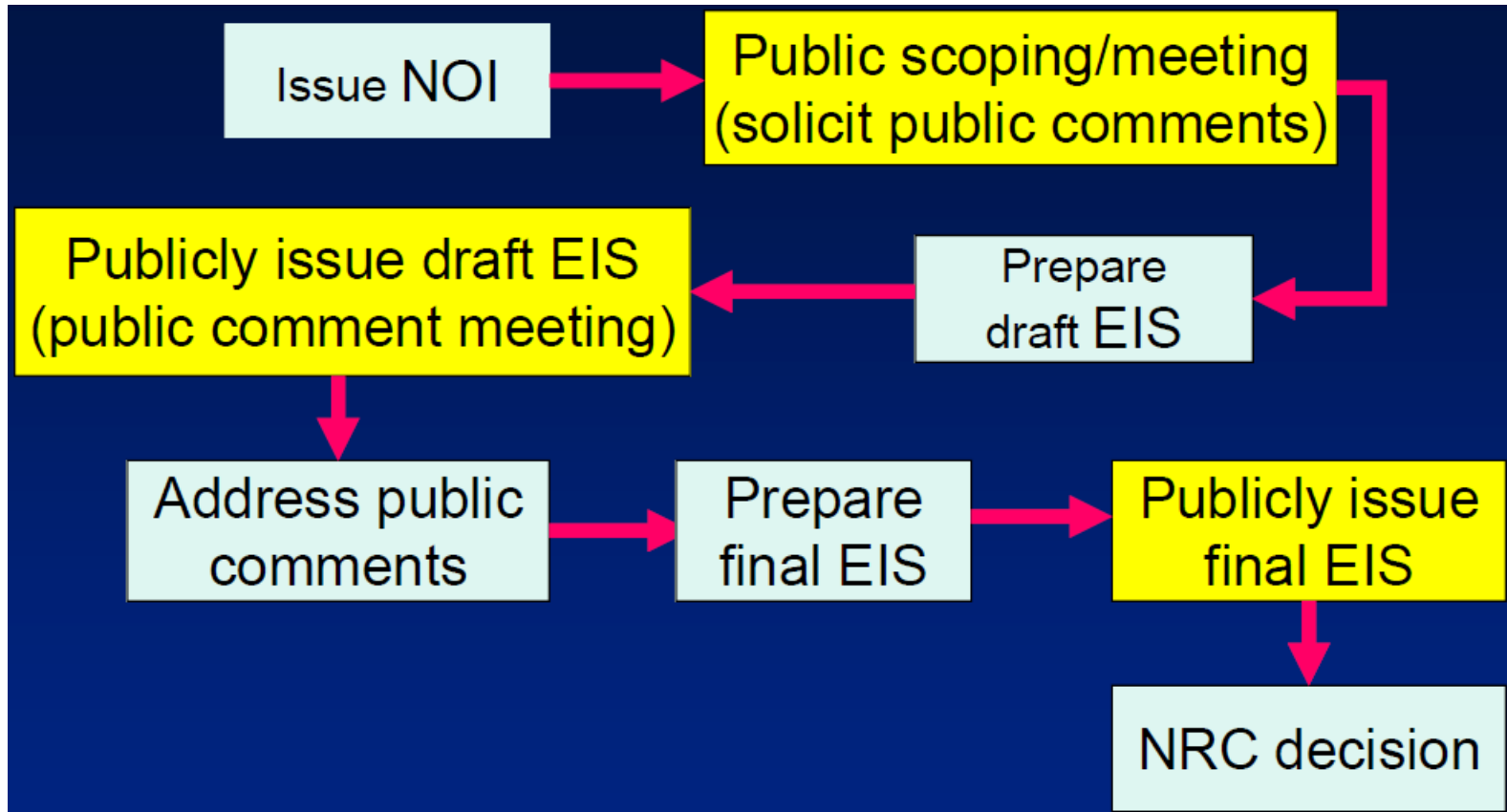
- Rigorously investigate the environmental impacts of license renewal and reasonable alternatives
- Used to inform decision makers and to publicly disclose the impacts of the license renewal and reasonable alternatives

Environmental Impact Statement Analyses

- Staff evaluates impacts to resources
 - Fish and Wildlife
 - Water and Air Resources
 - Historical and Cultural Resources
 - Socioeconomic (taxes, community development, environmental justice)
 - Human Health
 - Land Use
- Significant coordination with State agencies, Federal agencies, and the public



Environmental Impact Statement Process



- NOI: Notice of Intent
- Yellow blocks represent key public participation steps

Scoping Meeting

- Purpose of this part of the meeting is to gather your input and comments regarding the scope of our environmental review
- Scoping process better focuses the impacts and the alternatives that the NRC reviews

Input Sought

- What is unique about your community?
- What local environmental issues should the NRC examine?
- What socioeconomic issues should be examined? (e.g., jobs, taxes, infrastructure)
- What reasonable alternatives are appropriate for the area?

How to Submit Scoping Comments

Chief, Rules, Announcements, and Directives Branch
Division of Administrative Services
Office of Administration
Mailstop TWB-05-B01M
U.S. Nuclear Regulatory Commission
Washington, DC 20555

- **Mail:**
- **Fax:** (301) 492-3446
- **Internet:** www.regulations.gov
Search on Docket ID: NRC-2010-0206
- **On the record today**

Due by September 21st

(need your mailing or email address to receive our comment responses)

Opportunities for Public Involvement

- Scoping input*
 - Includes public meeting (today)
- Opportunity for hearing (due by Sept 20th)*
- Draft EIS input*
 - Includes public meeting (June 2011)
- Independent review by ACRS*
- Other meetings (as required) to support the NRC staff's application review

**Federal Register* Notice and Press Release

Final Agency Decision

- Commission considers:
 - Safety Evaluation Report
 - Environmental impact statement
 - NRC inspection findings and conclusions
 - Recommendations from the Advisory Committee for Reactor Safeguards

Document Locations

- Seabrook, NH Public Library
- Amesbury, MA Public Library
- [http://www.nrc.gov/reactors/operating/
licensing/renewal/applications/
seabrook.html](http://www.nrc.gov/reactors/operating/licensing/renewal/applications/seabrook.html)

Keeping Up-To-Date

- If you would like to keep up-to-date with all of the correspondence related to Seabrook Station (which includes license renewal), sign up for the Seabrook Station listserver:

[http://www.nrc.gov/public-involve/
listserver/plants-by-region.html](http://www.nrc.gov/public-involve/listserver/plants-by-region.html)

- **We can sign you up if you fill out your email address on the sign-in sheet**



Points of Contact

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