



U.S.NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

**Salem - Hope Creek
Nuclear Generating Station
License Renewal Process
and
Environmental Scoping Meeting**

November 5, 2009

Purpose of Today's Meeting

- Provide overview of license renewal review process
 - Safety review
 - Environmental review

- Receive public input on environmental review



NRC Regulatory Oversight

- NRC's Governing Statutes
 - Atomic Energy Act
 - National Environmental Policy Act (NEPA)

- NRC's Mission
 - Protect Public Health and Safety
 - Promote Common Defense and Security
 - Protect Environment

Salem - Hope Creek License Renewal

➤ License renewal application received on
August 18, 2009

Salem Unit 1 - license expires August 13, 2016

Salem Unit 2 - license expires April 18, 2020

Hope Creek - license expires April 11, 2026

Docketing and Sufficiency of Application

- Acceptance/Sufficiency review
- Review contents of application
 - Technical information
 - Technical Specifications
 - Environmental Report
- Docket

Ongoing Regulatory Oversight

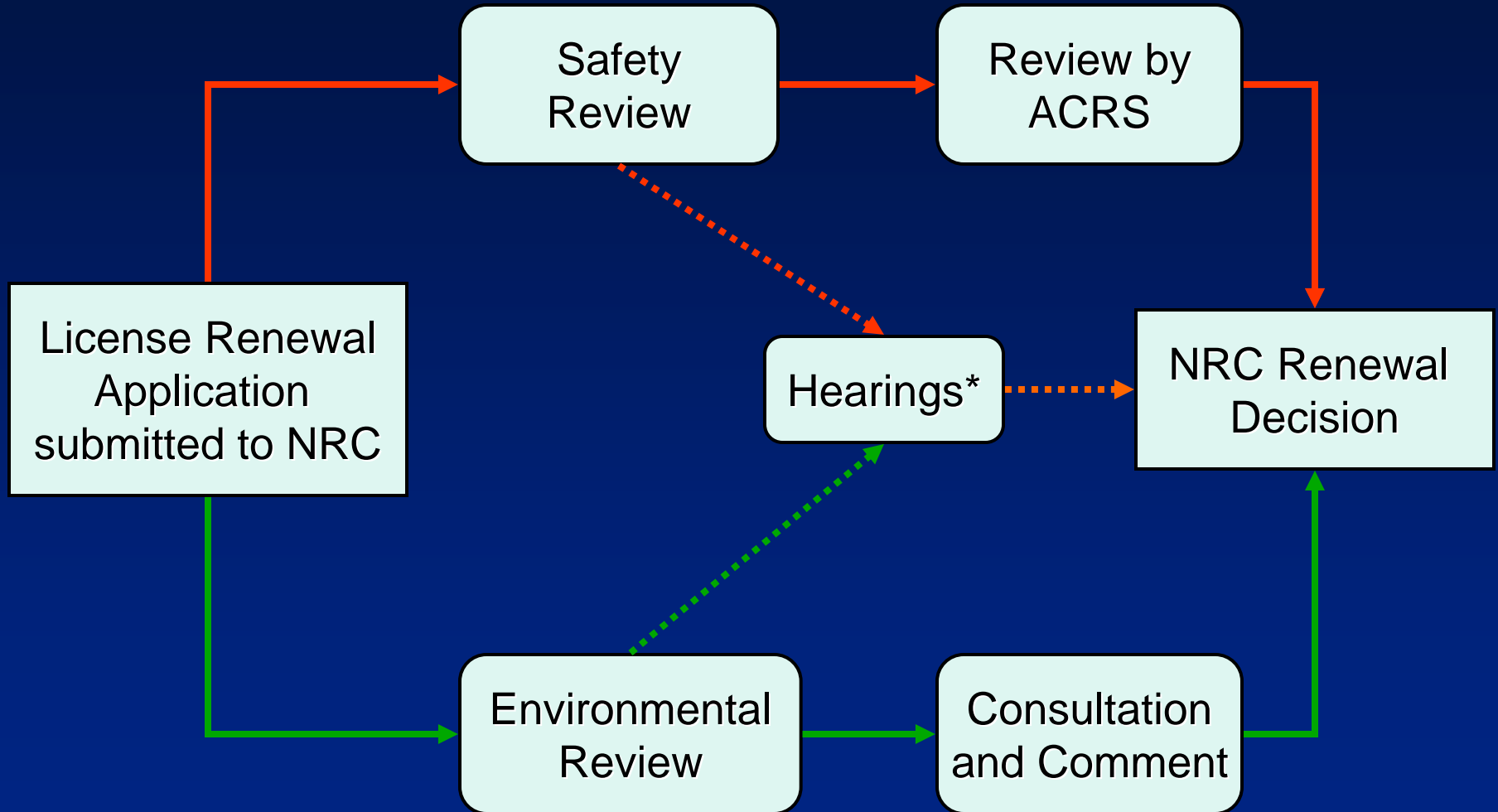
- Current Safety Performance

<http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html>

- Emergency Planning

- Security

License Renewal Process



* If a Request for Hearing is Granted

License Renewal Schedule

- 22 months is standard
- Hearings, if granted, add time
- Salem - Hope Creek scheduled to be completed June of 2011 (if no hearing)

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

Safety Review Focus

- Safety review focus is on the effects of aging of:
 - Safety-related systems, structures, and components (SSCs)
 - Nonsafety-related SSCs which, if they failed, could affect safety-related SSC functions
 - SSCs relied upon for compliance with regulations for:
 - Fire protection
 - Environmental qualification
 - Pressurized thermal shock
 - Anticipated transients without scram
 - Station blackout
- Safety review is to determine if aging effects will be effectively managed

Safety Review Process

- Technical review by NRC staff
 - Review application and supporting documentation
 - On-site audits
 - Issue Safety Evaluation Report
- On-site inspections by NRC staff
- Independent review by the Advisory Committee on Reactor Safeguards

Safety Review Public Involvement

- Hearing opportunity
 - Deadline for Filing Hearing Requests and Petitions for Intervention: December 22, 2009
- ACRS meetings (tentative dates)
 - Subcommittee meeting in October 2010
 - Full committee meeting in May 2011



Environmental Review Process

- National Environmental Policy Act (NEPA):
 - Establishes basic U.S. environmental policy
 - NEPA Requires preparation of an:
 - Environmental Impact Statement (EIS) for:
 - Major Federal actions significantly affecting the quality of the human environment
 - An objective, interdisciplinary, & systematic
 - Process be used in preparing the EIS

Environmental Review (10 CFR Part 51)

➤ The EIS must:

- Rigorously investigate environmental impacts of the:
 - License renewal proposal and alternatives

➤ Purpose of the EIS is to inform:

- Federal decision-makers and to publicly disclose:
 - Impacts of the proposal and “reasonable alternatives”
 - Including the alternative of taking “no-action”

➤ NRC’s Environmental Regulations: 10 CFR Part 51

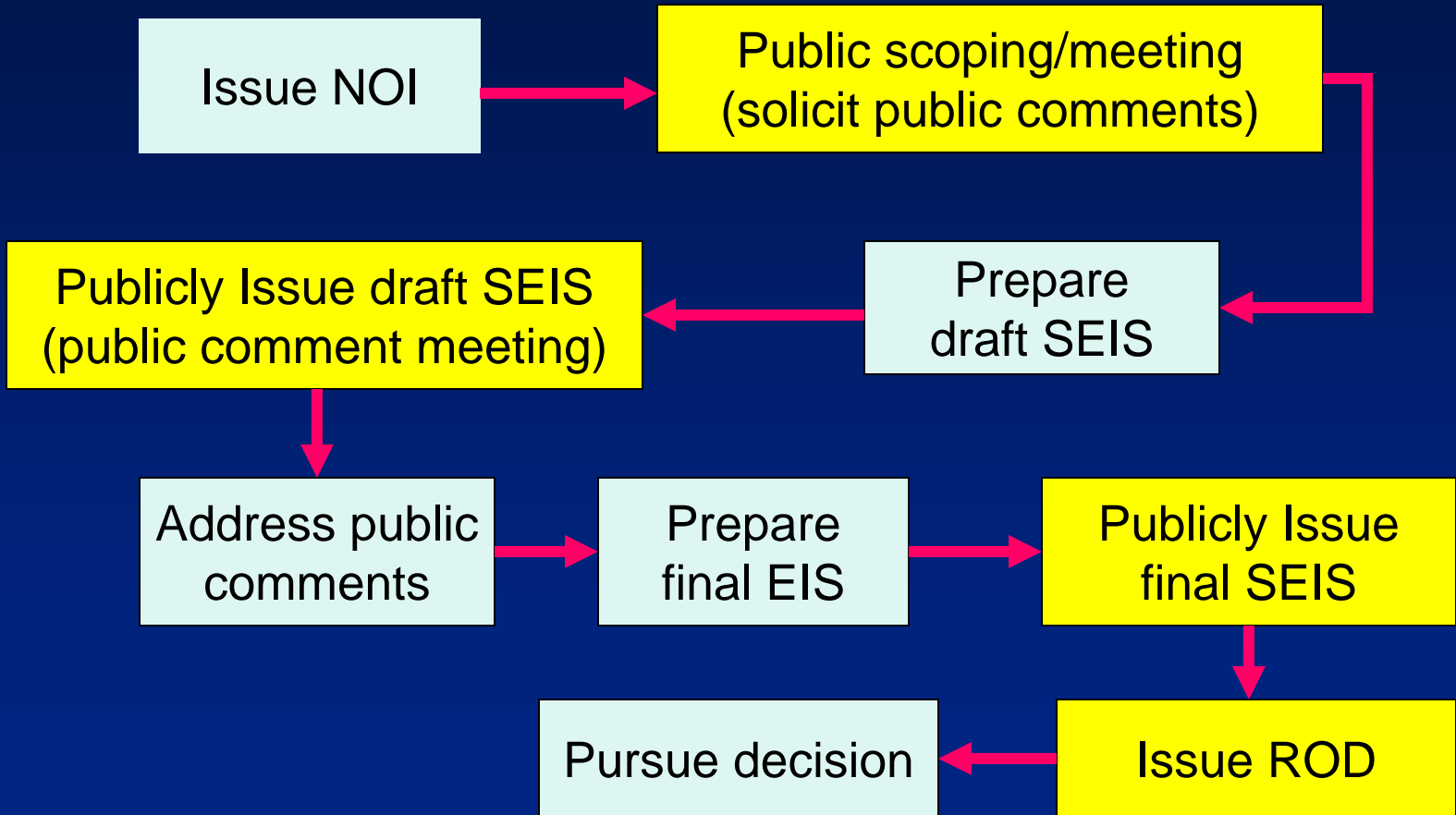
Purpose of this Meeting

- Purpose of this meeting:
 - Is not to make a decision regarding the proposed:
 - License renewal application
 - Instead, it is to solicit public input/comments:
 - Regarding the scope of the EIS
 - EIS will assist the NRC in making a final decision:
 - Regarding the license renewal application

Specific Scoping Process

- This EIS scoping process will be used to determine the scope of:
 - Actions
 - Impacts
 - Alternatives

Simplified EIS Process



* Yellow blocks represent key public participation steps

Environmental Review (10 CFR Part 51)

- Relationship between GEIS and SEIS
 - Generic Environmental Impact Statement (GEIS)
(<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1437/>)
 - Site-specific Supplemental Environmental Impact Statement (SEIS)
 - Evaluate any *new and significant information* concerning generic conclusions reached in the GEIS

Environmental Impact Statement

Staff Evaluates Impacts to Resources

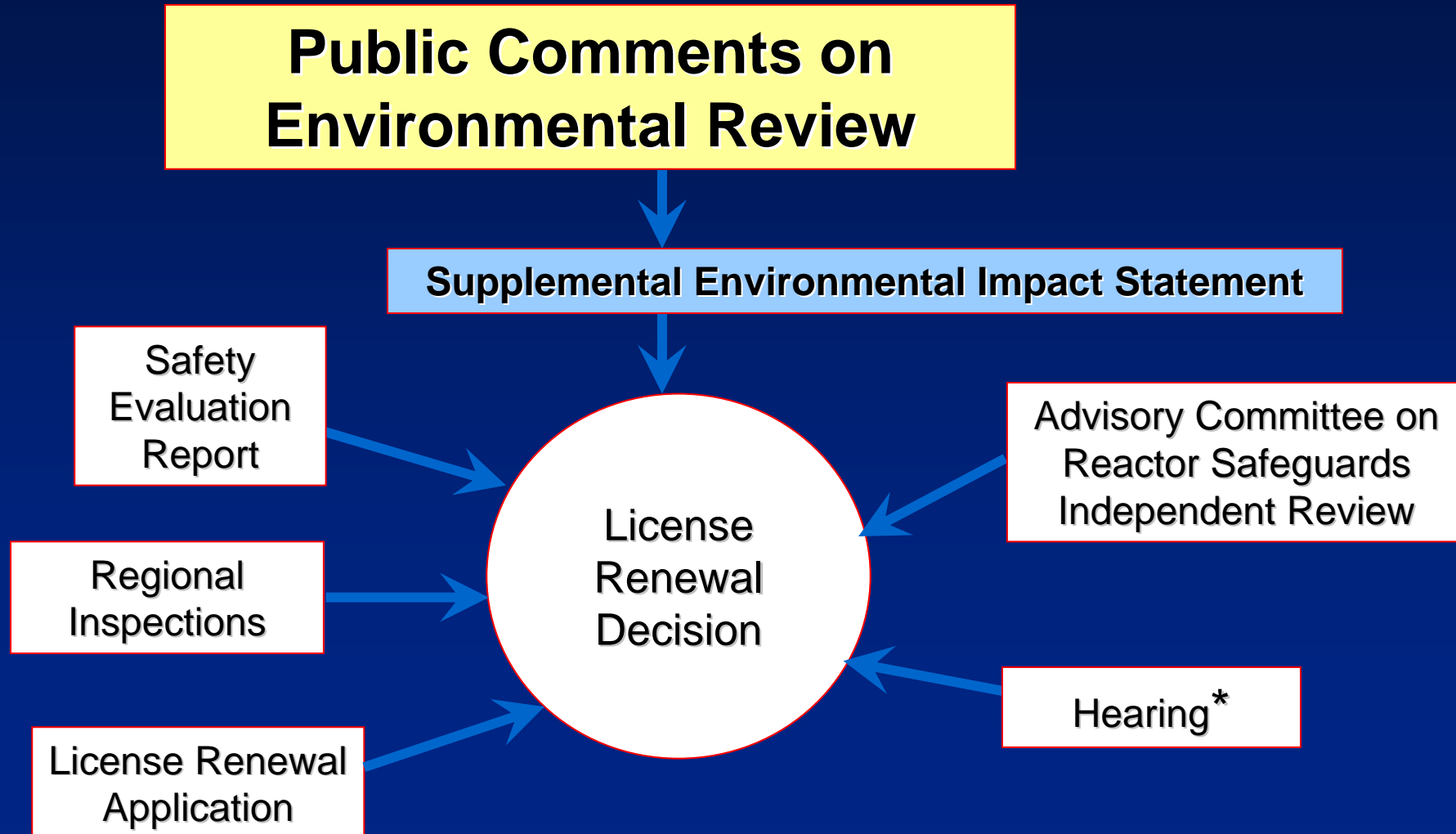
- Fish and Wildlife
- Water and Air Resources
- Historical or Cultural Resources
- Taxes, Community Development, Environmental Justice
- Human Health
- Land Use



Scoping and Public Involvement

- What community issues should the EIS focus on?
- What environmental impacts or issues should the EIS examine?
- What reasonable alternatives are appropriate for this area?

Role of Public Comments on Environmental Review



*If a Request for Hearing is Granted



How to Submit Comments on the Environmental Review

Provide written comments:

- ✓ By mail: Chief; Rulemaking and Directives Branch
Division of Administrative Services
Mailstop TWB-5B01M
U.S. Nuclear Regulatory Commission
Washington, DC 20555
- ✓ E-mail: SalemEIS@nrc.gov or HopeCreekEIS@nrc.gov
- ✓ In person: 11555 Rockville Pike
Rockville, Maryland

Comments to be submitted by **December 21, 2009**

Environmental Review Milestones

Application Received	Aug. 18, 2009
Notice of Opportunity for Hearing	Oct. 23, 2009
Notice of Intent for Scoping	Oct. 23, 2009
Environmental Scoping Meeting	Nov. 5, 2009
Hearing Opportunity Closes	Dec 21, 2009
Scoping Comments Due	Dec 21, 2009
Draft SEIS Issued	May 6, 2010
Draft SEIS Public Meeting	June 24, 2010
Draft SEIS Comments Due	July 20, 2010
Final SEIS Issued	May 30, 2011



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Where to view documents

Documents located at:

- **Salem Free Library**

112 West Broadway Ave

Salem, NJ 08079

Documents can be viewed at the NRC's Web site:

www.nrc.gov/reactors/operating/licensing/renewal/applications.html