



Braidwood Station, Units 1 and 2 License Renewal Process and Environmental Scoping Meeting



Purpose of Today's Meeting

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

- Receive public input on environmental review
 - Describe how to submit comments
 - Accept comments today



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



Braidwood Station License Renewal

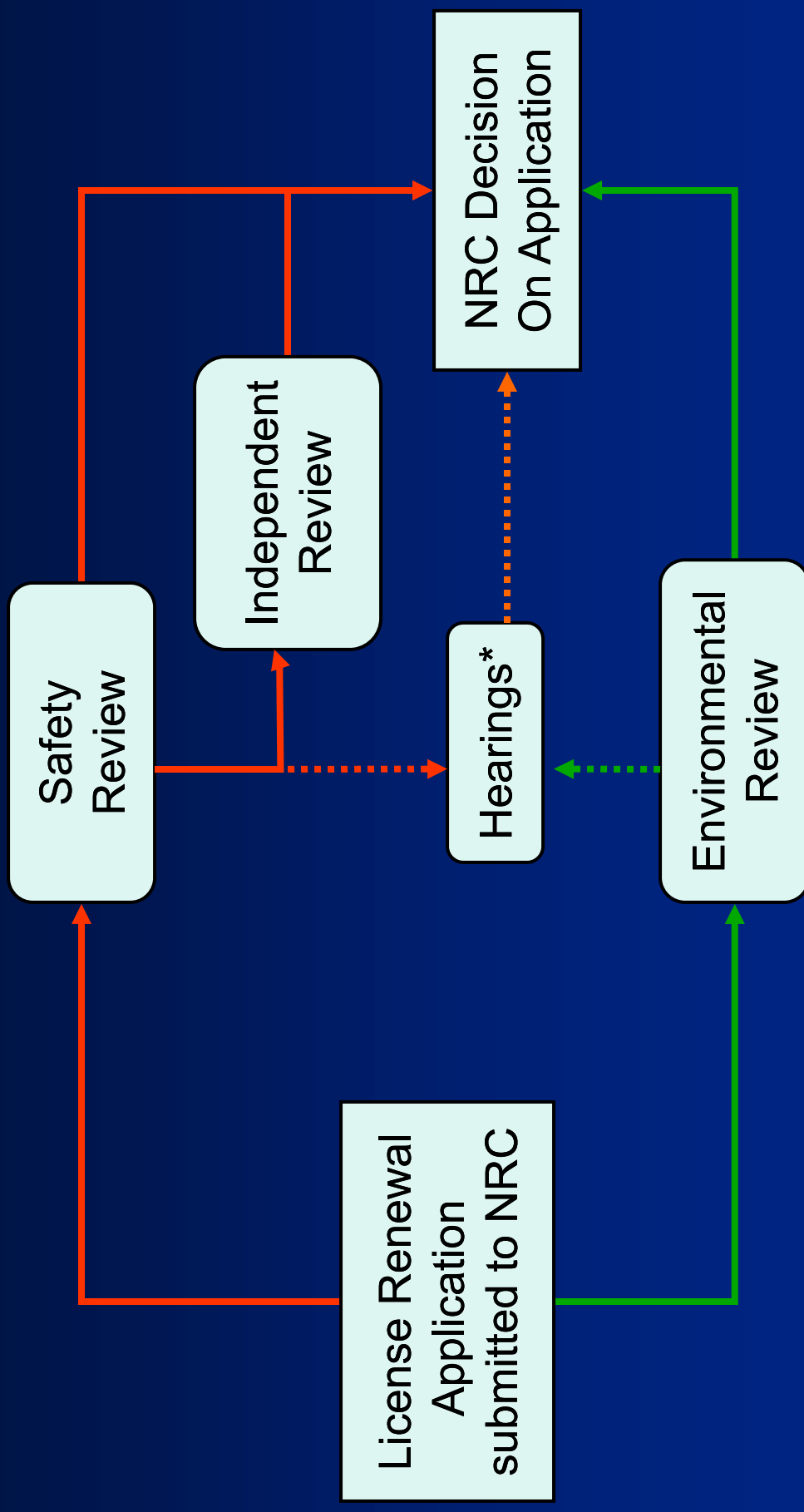
- Braidwood Station, Units 1 and 2
 - Unit 1, License expiration date
10/17/2026
 - Unit 2, License expiration date
12/18/2027
- Renewal application dated 5/29/2013



Contents of Application

- General information about the plant owner or operator
- Technical information about plant structures and components and how the applicant proposes to manage plant aging
- Environmental Report

License Renewal Process



* If a Request for Hearing is Granted



License Renewal Review Overview

- **Safety Review**
 - Focuses on the aging effects of components and structures important to plant safety
 - Staff review is to determine whether aging effects will be effectively managed
 - Considers generic and site specific operating experience related to the effects of aging

- **Environmental Review**
 - Considers, analyzes, and discloses environmental impacts of continued plant operation and alternatives to license renewal
 - Staff review is to determine if the environmental impacts of license renewal are so great that license renewal would be unreasonable



Ongoing Regulatory Oversight

- Emergency Planning
 - 10 CFR 50.47
- Security
 - 10 CFR Part 73
- Current Safety Performance

operating reactor performance web site:

http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/BRAI1/brai1_chart.html

http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/BRAI2/brai2_chart.html

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

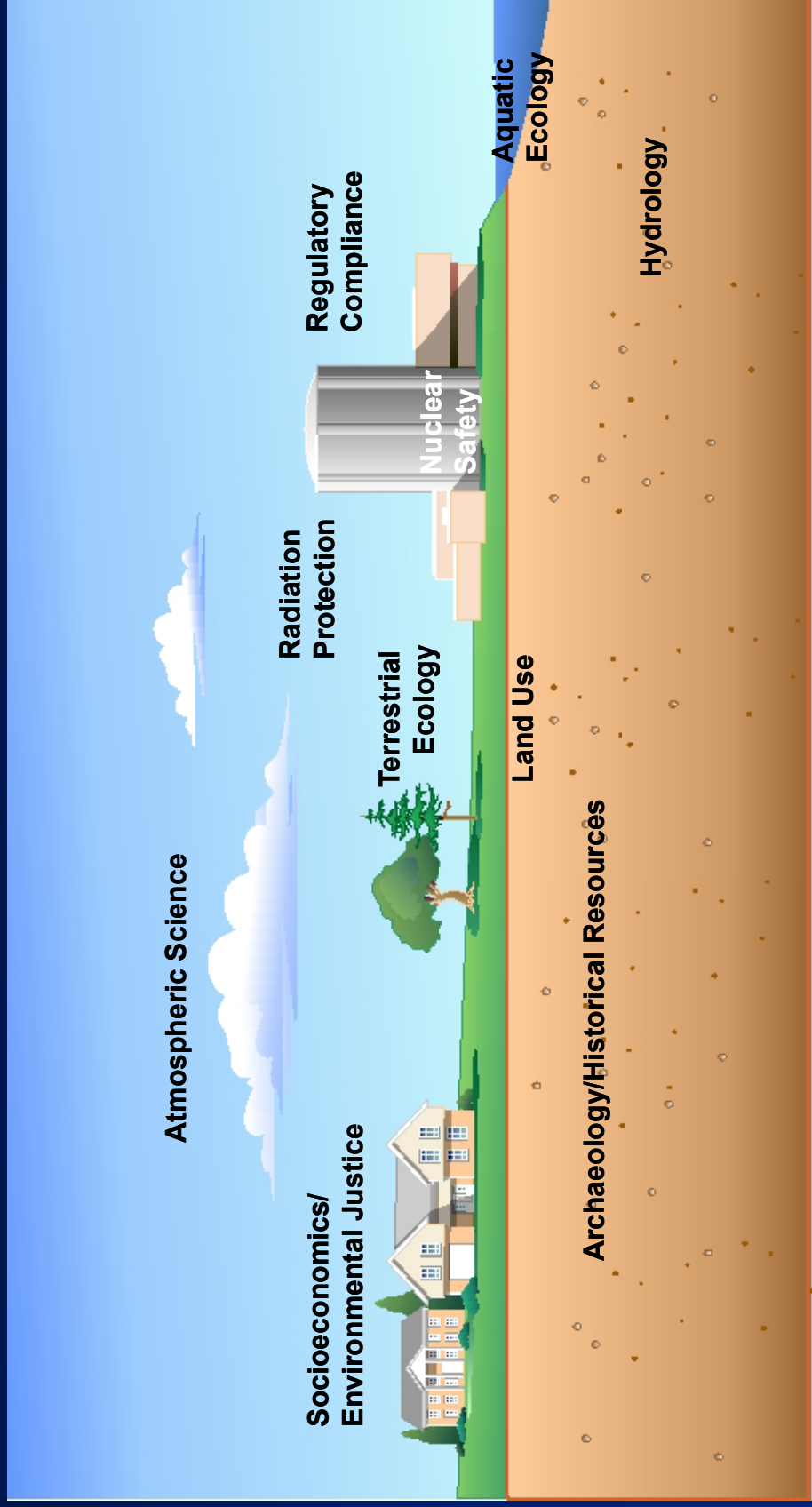


Safety Review

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

- National Environmental Policy Act (NEPA)
 - Informs Federal decision making
 - Public disclosure of environmental impacts and other considerations
- NRC's Environmental Regulations
 - 10 CFR Part 51
- Staff prepares an Environmental Impact Statement

Reviewing Areas



➤ Staff Evaluates Impacts to

Resources

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



Cumulative Impacts

- Overall impacts to environment including past, present, and reasonable foreseeable future actions
 - evaluated to end of 20-year renewal term
 - geographic boundaries dependent on resource

Waste Confidence

- NRC Waste Confidence Rule (WC) addresses the environmental impacts of continued storage of spent fuel after the licensed life (including renewal).
- Consistent with the Commission direction, Braidwood renewed licenses will not be issued until the issues related to waste confidence are appropriately addressed.
- WC Generic Environmental Impact Statement is being developed by the WC directorate, to be completed in 2014.

Environmental Review Scope

Scoping Process

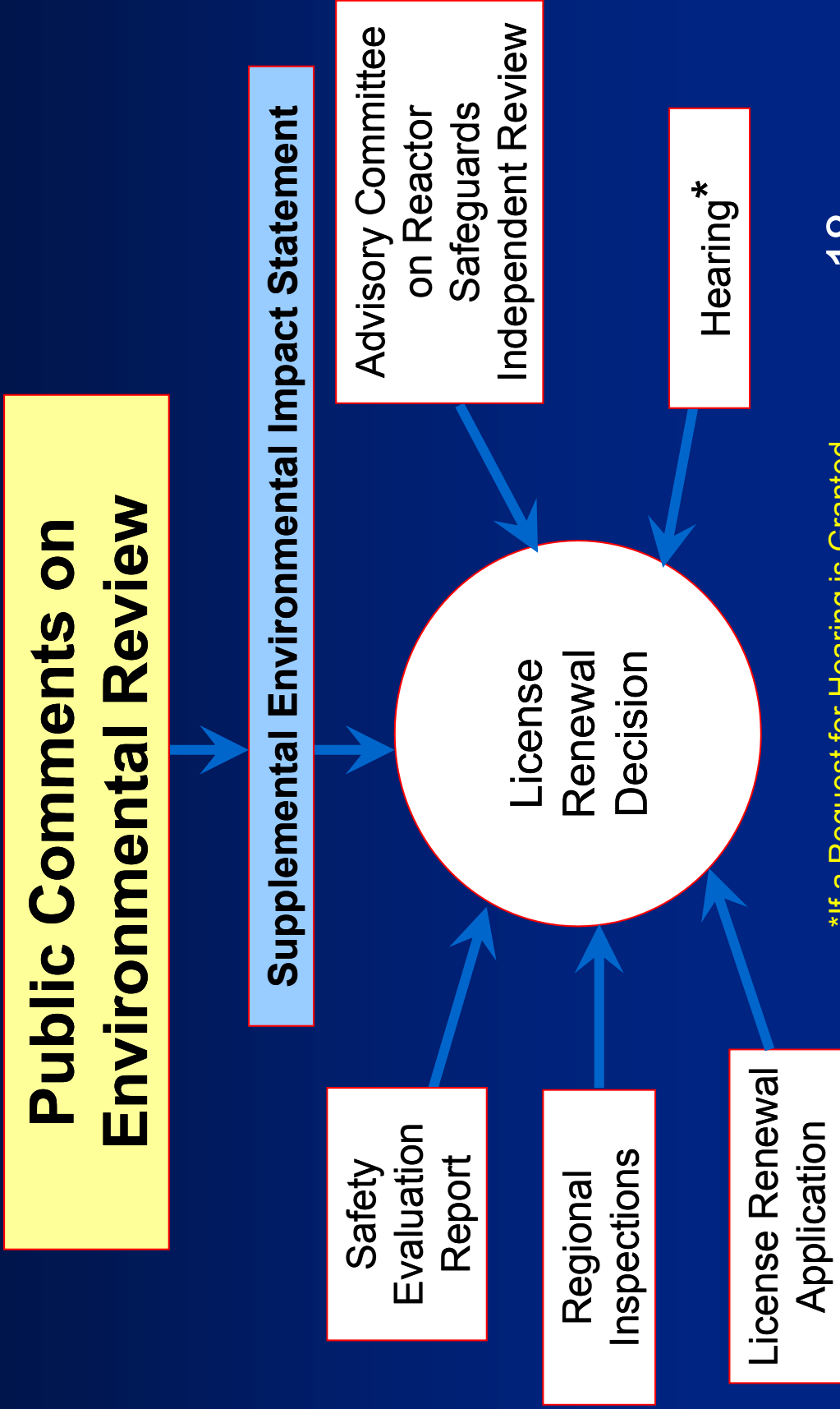
- Generic (Programmatic) Environmental Impact Statement (GEIS)
- Site-specific Supplemental Environmental Impact Statement (SEIS)
- New and significant information on generic conclusions reached in the GEIS



Scoping and Public Involvement

- What about your community should the NRC focus on in the EIS?
- What local environmental issues should the NRC examine?
- What reasonable alternatives are appropriate for the area?

Role of Public Comments on Environmental Review



*If a Request for Hearing is Granted



Submitting Comments on the Scope of the Environmental Review

- Provide written comments:
 - ✓ By mail:
Chief, Rules, Announcements and Directives Branch
Division of Administrative Services
Mailstop 3WFN-06A44MP
U.S. Nuclear Regulatory Commission
Washington, DC 20555
 - ✓ Website:
<http://www.regulations.gov>,
Docket ID NRC-2013-0169
 - ✓ In person:
11545 Rockville Pike, Rockville, Maryland



Environmental Review Milestones

➤ Application Received	May 29, 2013
➤ Notice of Receipt and Availability	June 13, 2013
➤ Notice of Opportunity for Hearing	July 25, 2013
➤ Notice of Intent for Scoping	July 31, 2013
➤ Environmental Scoping Meeting	Aug. 21, 2013
➤ Petition to Request for Hearing Due	Sept. 23, 2013
➤ Scoping Comments Due	Sept. 27, 2013
➤ Draft SEIS Issued	TBD
➤ Draft SEIS Public Meeting	TBD
➤ Draft SEIS Comments Due	TBD
➤ Final SEIS Issued	TBD

Safety review schedule can be viewed at the NRC site:
<http://www.nrc.gov/reactors/operating/licensing/renewal/applications/byro nbraidwood.html>



Additional Information

- Environmental Contact:
 - Tam Tran, (800) 368-5642 ext. 3617
- Safety Contact:
 - John Daily, (800) 368-5642 ext. 3873
- Documents located at:
 - Fossil Ridge Public Library, 386 W. Kennedy Road, Braidwood, IL 60408
- Documents can be viewed at the NRC site:
<http://www.nrc.gov/reactors/operating/licensing/renewal/applications/byronbraidwood.html>

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