



**U.S.NRC**

UNITED STATES NUCLEAR REGULATORY COMMISSION

*Protecting People and the Environment*

# The License Renewal Process

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# Purpose of Presentation

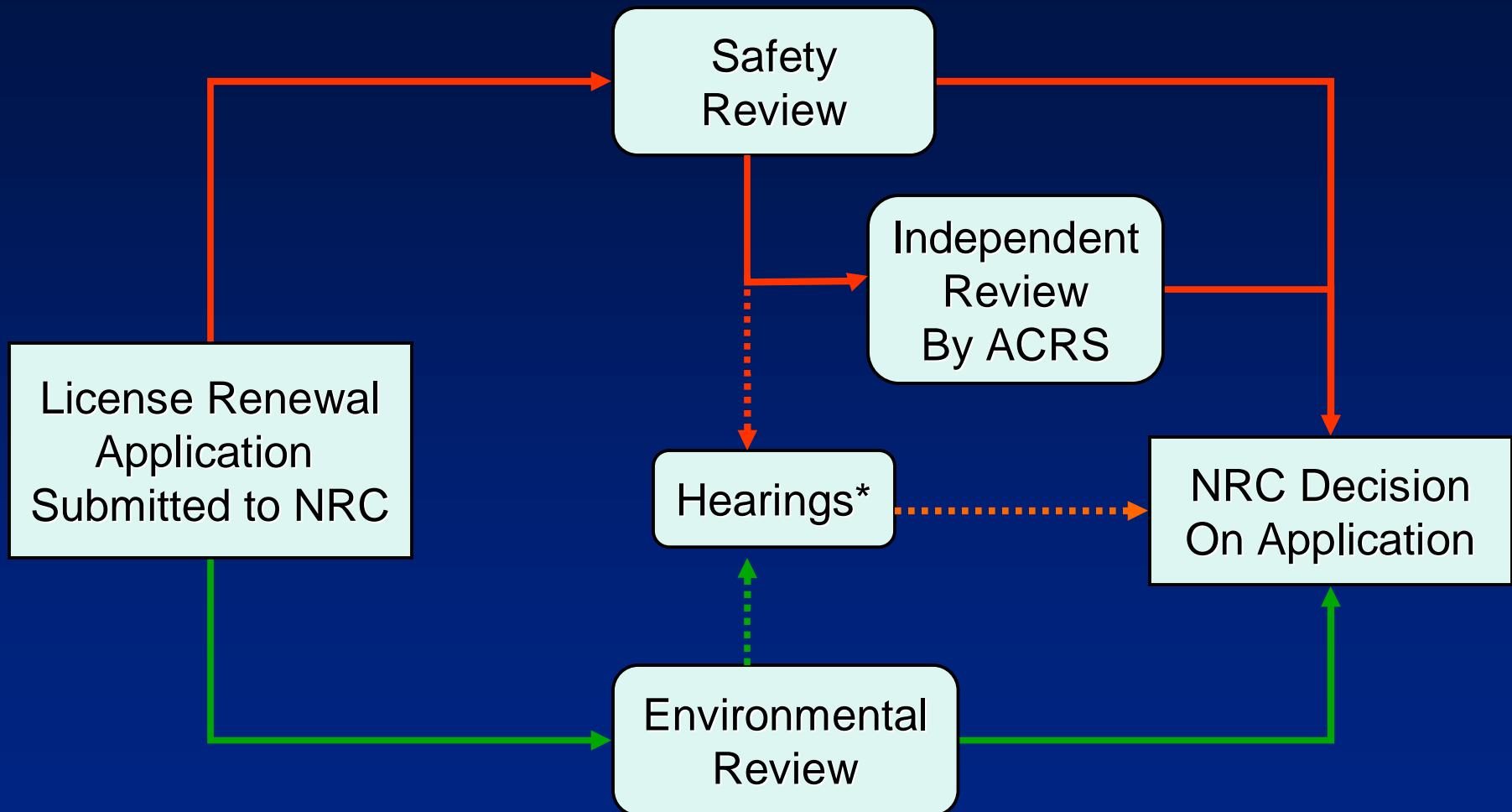
- Provide overview of license renewal review process
- Describe the environmental review process



# NRC Regulatory Oversight

- NRC's Governing Statutes
  - Atomic Energy Act of 1954
  - National Environmental Policy Act (NEPA)
  
- NRC's Mission
  - Protect Public Health and Safety
  - Promote Common Defense and Security
  - Protect Environment

# License Renewal Process



\* If a Request for Hearing is Granted



## License Renewal Reviews

- 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



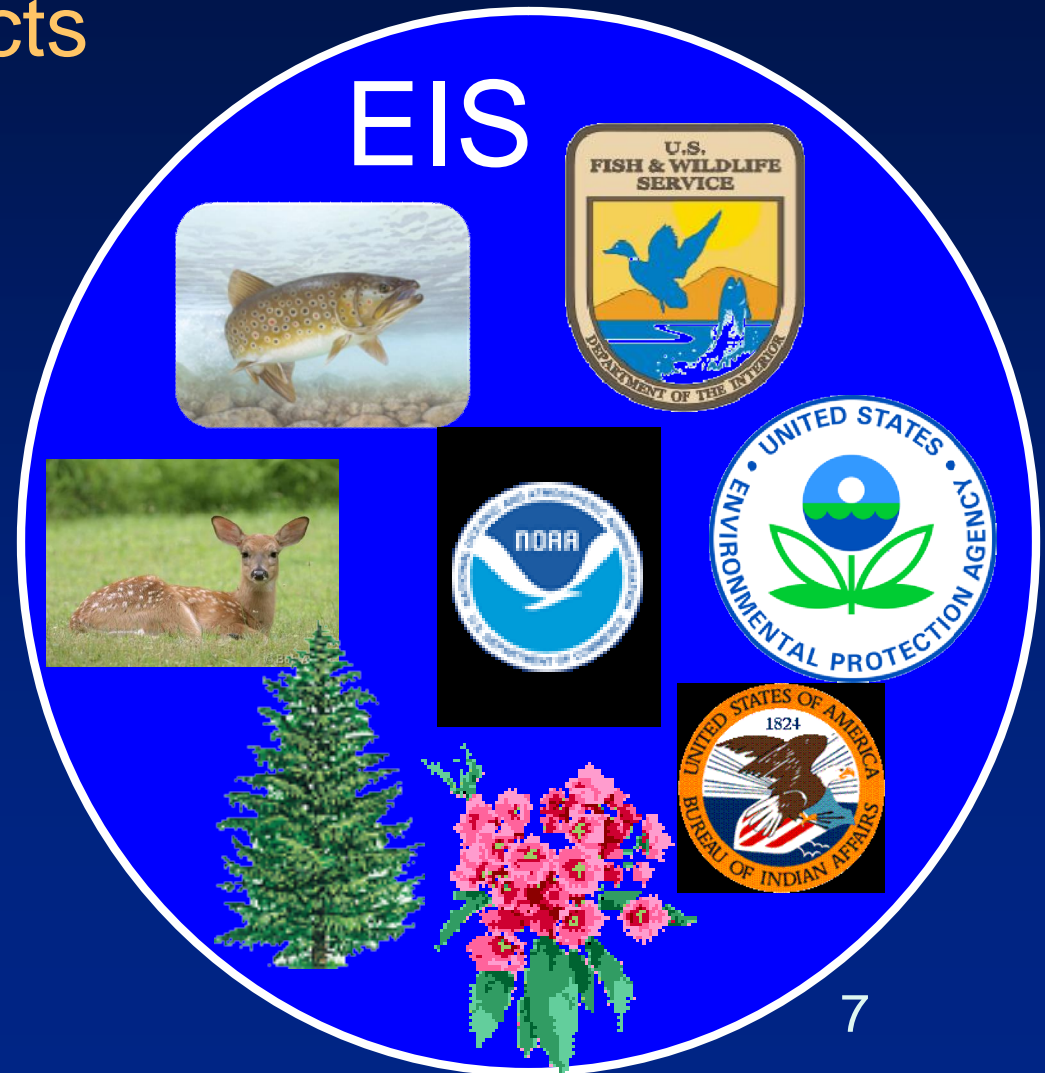
## Environmental Review (10 CFR Part 51)

- 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

# Environmental Impact Statement

## Staff Evaluates Impacts to Resources

- Ecological Resources
- Water Resources
- Air and Noise
- Historic and Cultural Resources
- Human Health
- Land Use
- Socioeconomic Issues
- Geology and Soils





# Environmental Review (10 CFR Part 51)

## ➤ Scope

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





## Scoping and Public Involvement

- Are there special issues or concerns the NRC should focus on in the EIS?
- What local environmental issues should the NRC examine?
- What reasonable alternatives are appropriate for the area?



# Radiological Review - Scope

- Radioactive Effluents
- Radioactive Waste
- Environmental Monitoring
- Radiological Impacts
  - Members of the Public
  - Occupational



## Radiological Review - Scope

- Cumulative Impacts
- Uranium Fuel Cycle
- Decommissioning
- Design Basis Accidents



## **Radiological Review – Spills, Leaks, and Unusual Occurrences**

- Applicant's Environmental Report
  - Applicant is required to evaluate “new and significant” information
- NRC's SEIS
  - NRC staff will include a discussion of “notable” radiological events, based on its review of plant data



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## **Further Information**

Reactor License Renewal Web Page:

<http://www.nrc.gov/reactors/operating/licensing/renewal.html>