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Public Outreach Meeting
Callaway Plant, Unit 2
Combined License Application

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Division of New Reactor Licensing

DPC processing date 10/27/2008

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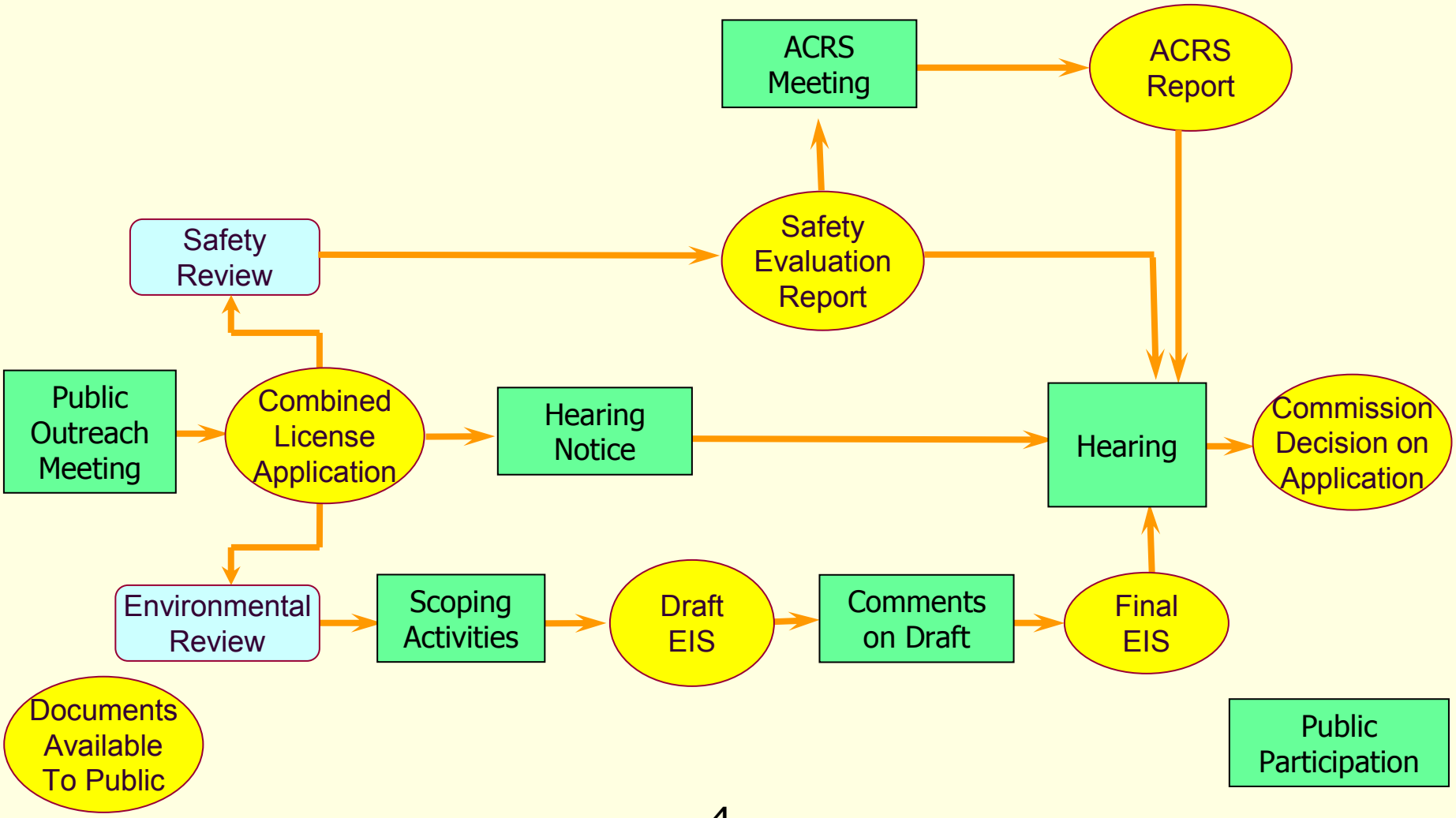
Purposes of this meeting

- Discuss the potential combined license application for the new nuclear power plant at the Callaway Plant site
- Explain what the NRC does during the review of a combined license application
- Describe how you can participate in the NRC review process

Nuclear Regulatory Commission

- Mission: to protect the public health and safety, promote the common defense and security, and protect the environment
- Independent Agency
- Over 30 years experience in regulating operating reactors and other civilian uses of nuclear materials

Combined License Application Review Process



Combined License Application Review and Construction Inspection

- Surinder Arora, Project Manager
  - Overall Combined License Application Review
- Bruce Olson, Project Manager
  - Environmental Review
- Michael Webb, Reactor Operations Engineer
  - Construction Inspection

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Safety Review

- Ensure facility will be constructed and operated safely by reviewing:
  - Design of facility
  - Quality assurance
  - Security plan
  - Radiation Protection
  - Emergency preparedness (with the Federal Emergency Management Agency)
  - Operator Training
  - Applicant's process to verify that the nuclear plants will be built as designed and operated in accordance with NRC regulations
- Clearly document our safety findings
- Maintain an open and transparent process

Callaway Plant Unit 2 COL Application

- Callaway Plant Unit 2 COL Application will reference AREVA's US Evolutionary Power Reactor (US EPR) design
  - US-EPR design is currently under review by the NRC
- NRC will not issue COL before the US EPR design is certified

Opportunities for Public Participation

- NRC processes and how to participate
- Information available to public at www.nrc.gov
- Meetings between the NRC and the applicant
- Comment on environmental review
- Participate in Advisory Committee on Reactor Safeguards meetings
- Participate in the hearing process

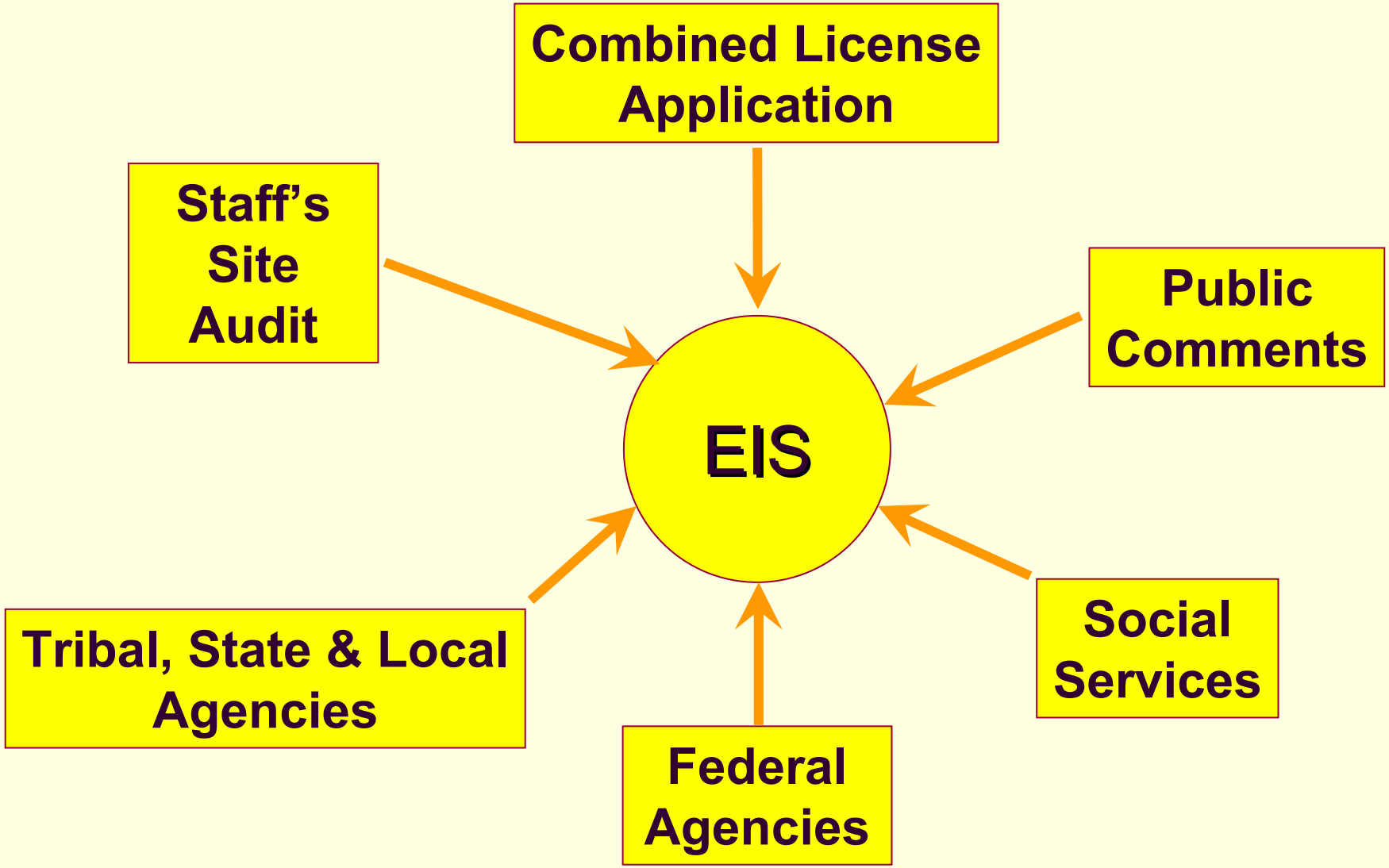
The Hearing Process

- NRC issues a Notice of Hearing in the *Federal Register,* which offers an opportunity for the public to participate in the hearing as a party (called "intervention")
- *Federal Register* notice describes how to file petition using e-filing system (www.nrc.gov/site-help/e-submittals.html)
- A request (petition) to intervene must:
  - be filed within 60 days of the date of the Notice
  - must state petitioner's interest that may be affected - at least one acceptable dispute with the application
- Three judges (Atomic Safety and Licensing Board (ASLB)) decide whether to grant intervention and conduct hearing
- A person who did not seek to intervene or was not granted intervention may make a statement to the Board, although this statement is not evidence in the hearing
- Regulations governing intervention are in 10 CFR 2.309

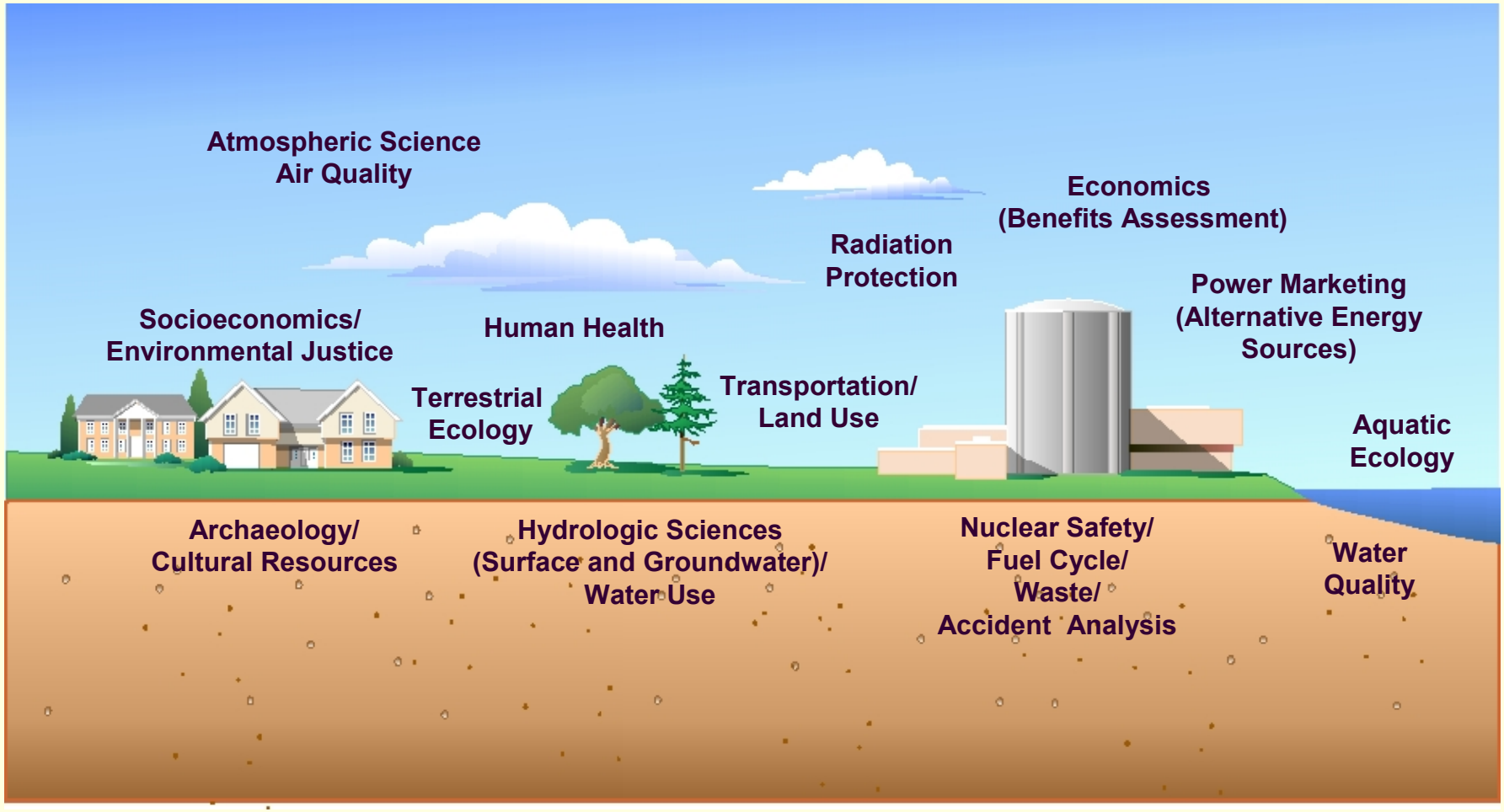
National Environmental Policy Act (NEPA)

- NEPA requires Federal agencies to use a systematic approach to consider environmental impacts
- An Environmental Impact Statement (EIS) is required for major Federal actions that may significantly affect the quality of the human environment
- Granting a combined license is considered a major Federal action

Information Gathering



Environmental Review Areas



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If the License is issued….

- The NRC will authorize the licensee to start construction of a nuclear power plant, to load fuel, and (eventually) to operate the completed plant, if specified conditions are met.
- NRC staff will inspect nuclear safety–related construction activities.
- NRC will verify that, prior to operation, the plant is built as designed.

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NRC Construction Inspection Program

- Vendor Inspections
- Quality Assurance Program
- Operational Program Inspections
- Inspection, Tests, Analyses, and Acceptance Criteria

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ITAAC

- ITAAC is defined as Inspections, Tests, Analyses, and Acceptance Criteria.
- ITAAC are the means by which the licensee demonstrates, and the NRC confirms, that the plant was built properly.
- Prior to plant operation **all** acceptance criteria must be met.
- Provides an opportunity for separate hearing based on whether acceptance criteria are met.

List of NRC Websites for New Reactor Licensing

- How NRC Regulates New Reactors http://www.nrc.gov/reactors/new-reactor-licensing.html
- List of Combined License Applications http://www.nrc.gov/reactors/new-licensing/col.html
- Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr0800/
- Combined License Application Guidance http://www.nrc.gov/reactors/new-licensing/col-appl-guide.html
- Design Certifications - Licensing Reviews http://www.nrc.gov/reactors/new-licensing/design-cert.html
- New Reactors Licensing Process http://www.nrc.gov/reactors/new-licensing/licensing-process.html
- New Reactors Related Documents http://www.nrc.gov/reactors/new-licensing/related-documents.html
- Public Involvement in Hearings http://www.nrc.gov/about-nrc/regulatory/adjudicatory/hearing.html

NRC CONTACTS

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