



**Public Scoping Meeting  
Virgil C. Summer Nuclear Station  
Units 2 and 3  
Combined License Application  
Environmental Review**

**William Burton, Branch Chief  
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Division of Site and Environmental Reviews**

**January 28, 2009**

# Purposes and Overview of this Meeting

- **Solicit your input to the environmental scoping process**
- **Discuss combined license application review process**
- **Explain NRC's National Environmental Policy Act (NEPA) process during review of a combined license application**
- **Present tentative schedule for environmental review**
- **Describe how you can participate in the regulatory process**

# Participants in NRC Licensing Process for Virgil C. Summer Nuclear Station Units 2 and 3



## NRC

- Commissioners
- Staff members
- Hearing Boards
- Advisory Committee on Reactor Safeguards

## Stakeholders

- Residents of the community
- Public interest groups
- Other Federal agencies
- Tribal councils
- State entities
- Local officials and others

## License Applicant

- South Carolina Electric and Gas Company (SCE&G)

# Relevant Laws & Regulations

**The NRC regulates civilian uses of nuclear materials  
to protect the public health and safety  
and the environment**

- **Atomic Energy Act of 1954, as amended**
- **National Environmental Policy Act (NEPA) of 1969**
- **Title 10 of the Code of Federal Regulations (CFR), Parts 51 and 52**
- **Other laws and regulations**

# Combined License (COL)

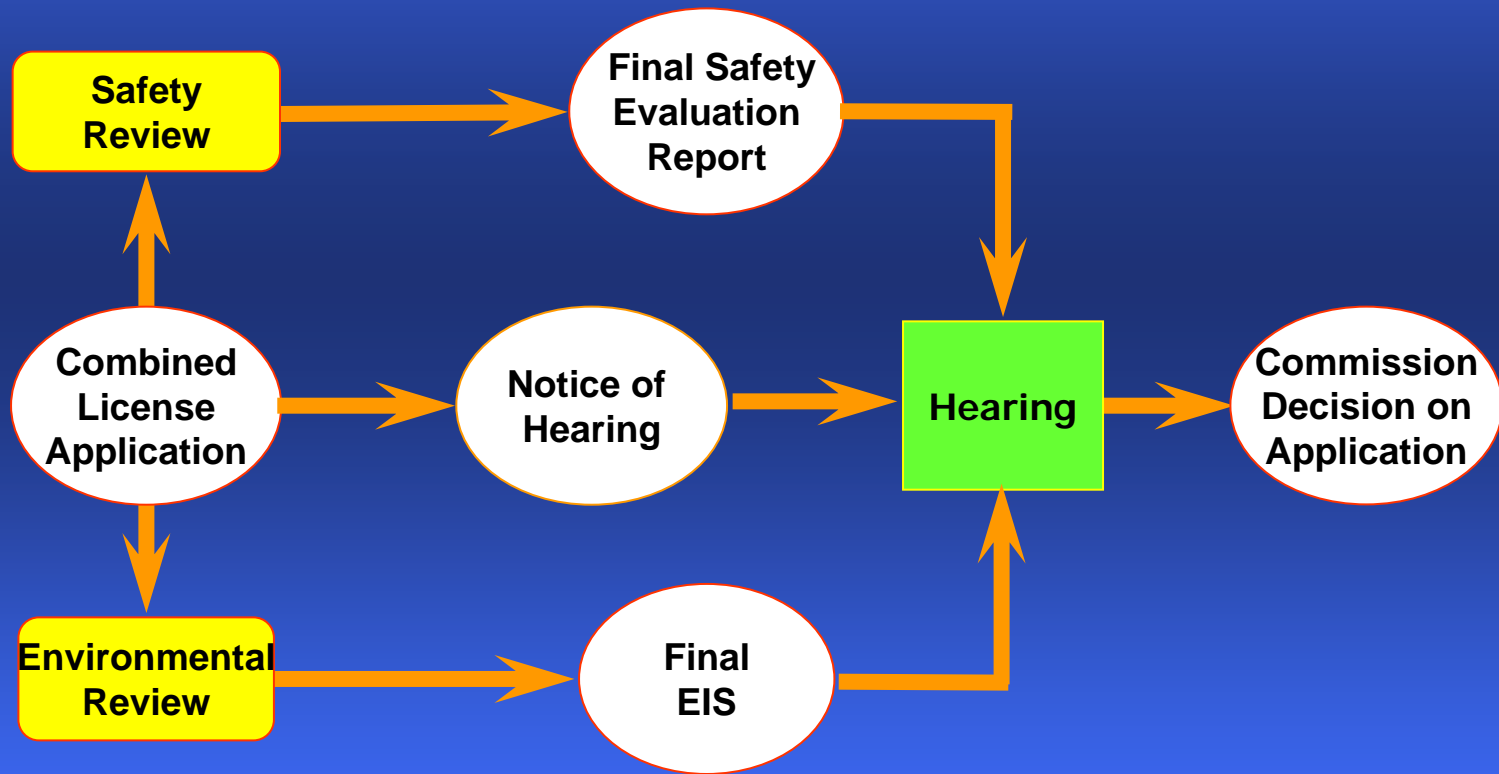
**Authorization from the NRC to construct and operate a nuclear power plant at a specific site and in accordance with applicable Federal laws and regulations**

- **South Carolina Electric and Gas Company (SCE&G) submitted an application for a COL for the Virgil C. Summer Nuclear Station, Units 2 and 3, (VCSNS) by letter dated March 27, 2008**
- **SCE&G's COL application includes the VCSNS Environmental Report**

# Nuclear Reactor Design and COL Application Reviews

- **Standard Design Certification Review (ongoing)**
  - **Westinghouse AP1000 advanced light water reactors**
  
- **COL Application Review**
  - **Safety Review for AP1000 design at the VCSNS Nuclear Power Plant site**
  - **Environmental Review of potential impacts of Units 2 and 3 construction and operation at the VCSNS site, adjacent to the existing Unit 1**

# Combined License Application Review Process



# National Environmental Policy Act

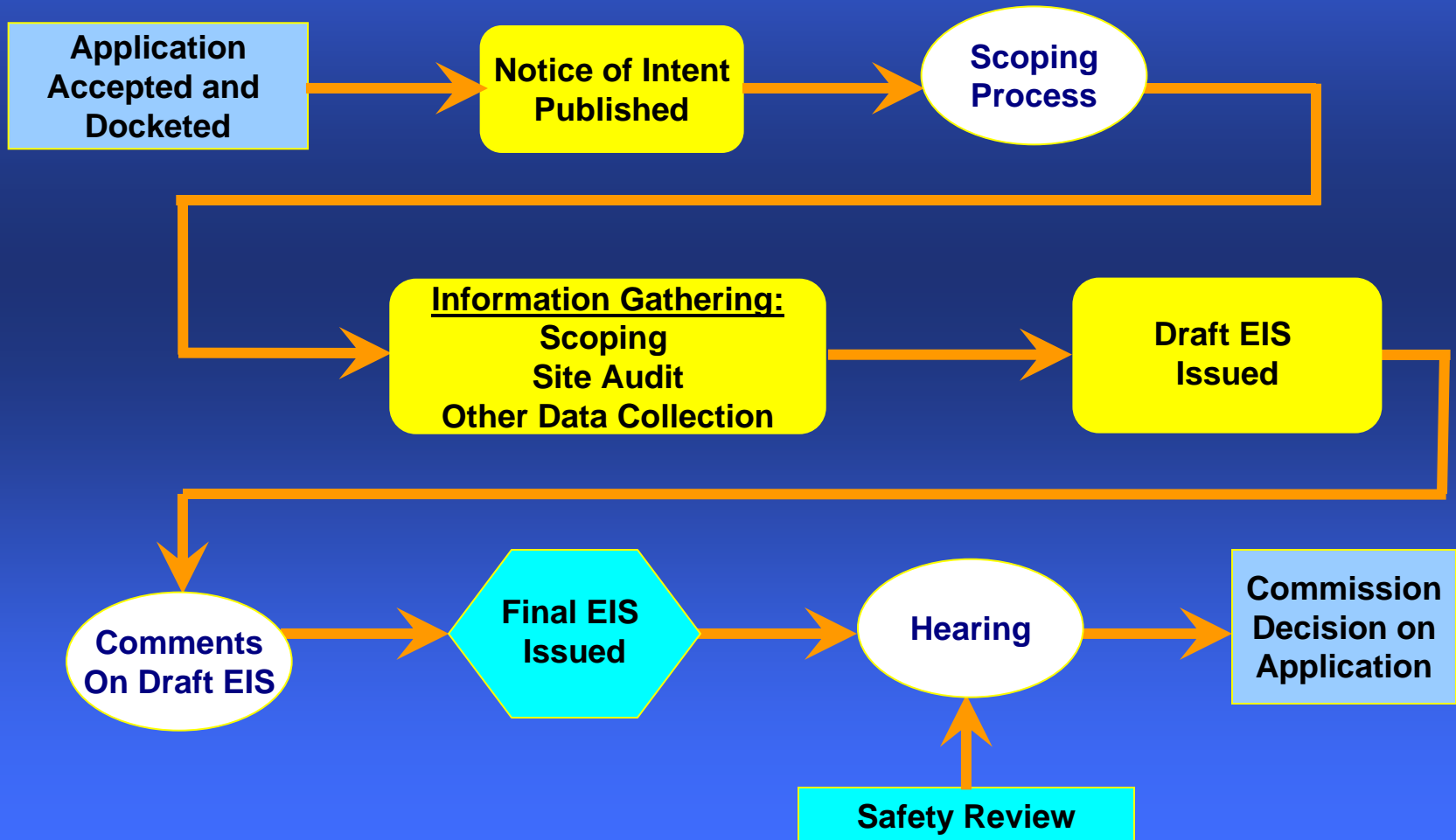
- **NEPA requires Federal agencies to use a systematic approach to consider environmental impacts**
- **An Environmental Impact Statement (EIS) is required for major Federal actions that may significantly affect the quality of the human environment**
- **Issuing a combined license is considered a major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



# NRC Environmental Review

- Evaluate potential environmental impacts of construction and operation of new nuclear facilities at the VCSNS site
- Informed and systematic decision making
  - 10 CFR Part 51 - NRC's regulations for implementing NEPA
  - NUREG-1555 - NRC's "*Environmental Standard Review Plan*" provides review guidance
- Provide for public involvement
  - Scoping comment period
  - Draft EIS comment period
- Clearly document our environmental findings
- Maintain an open and transparent review process

# Environmental Review Process

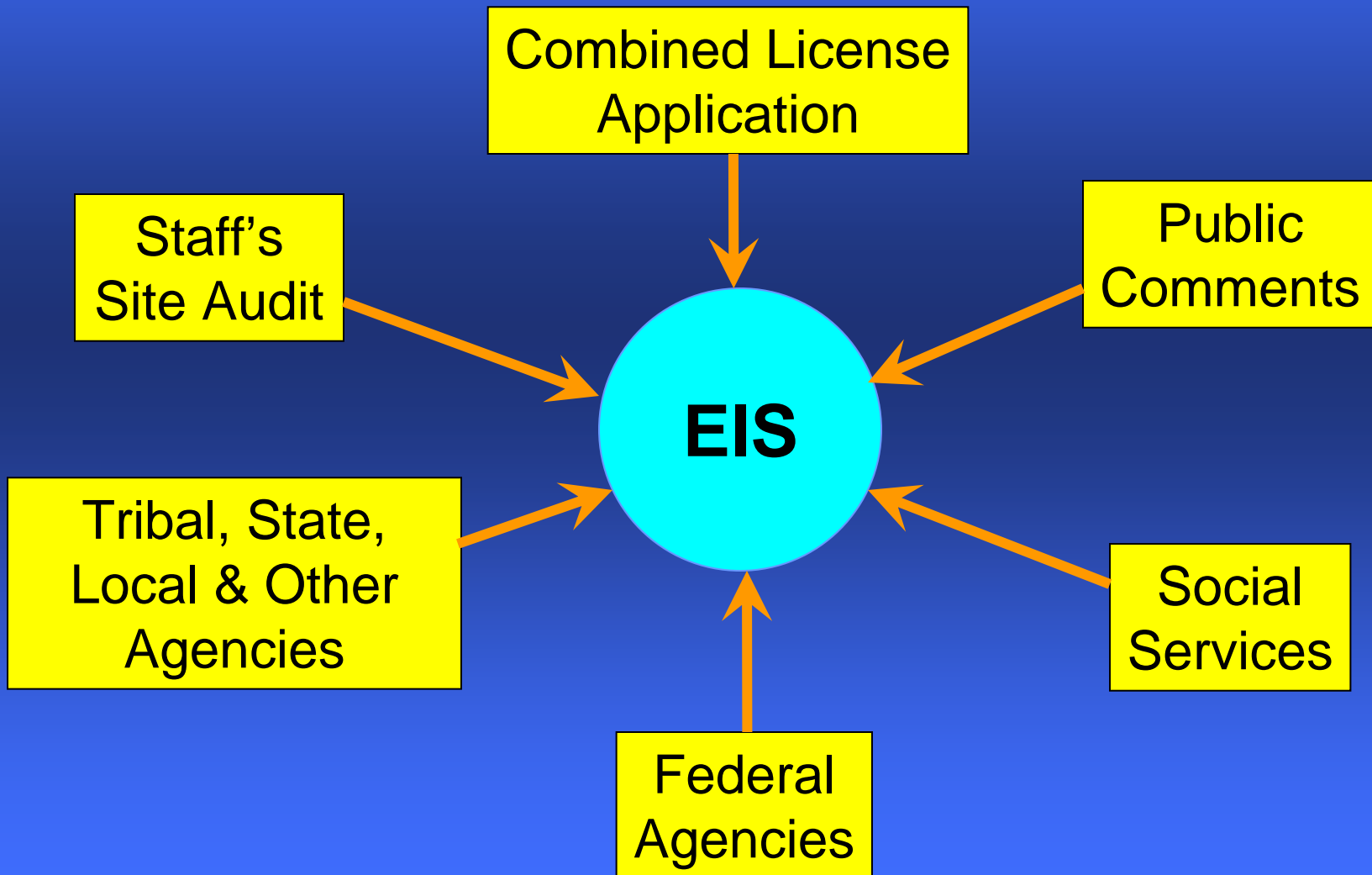


# VCSNS

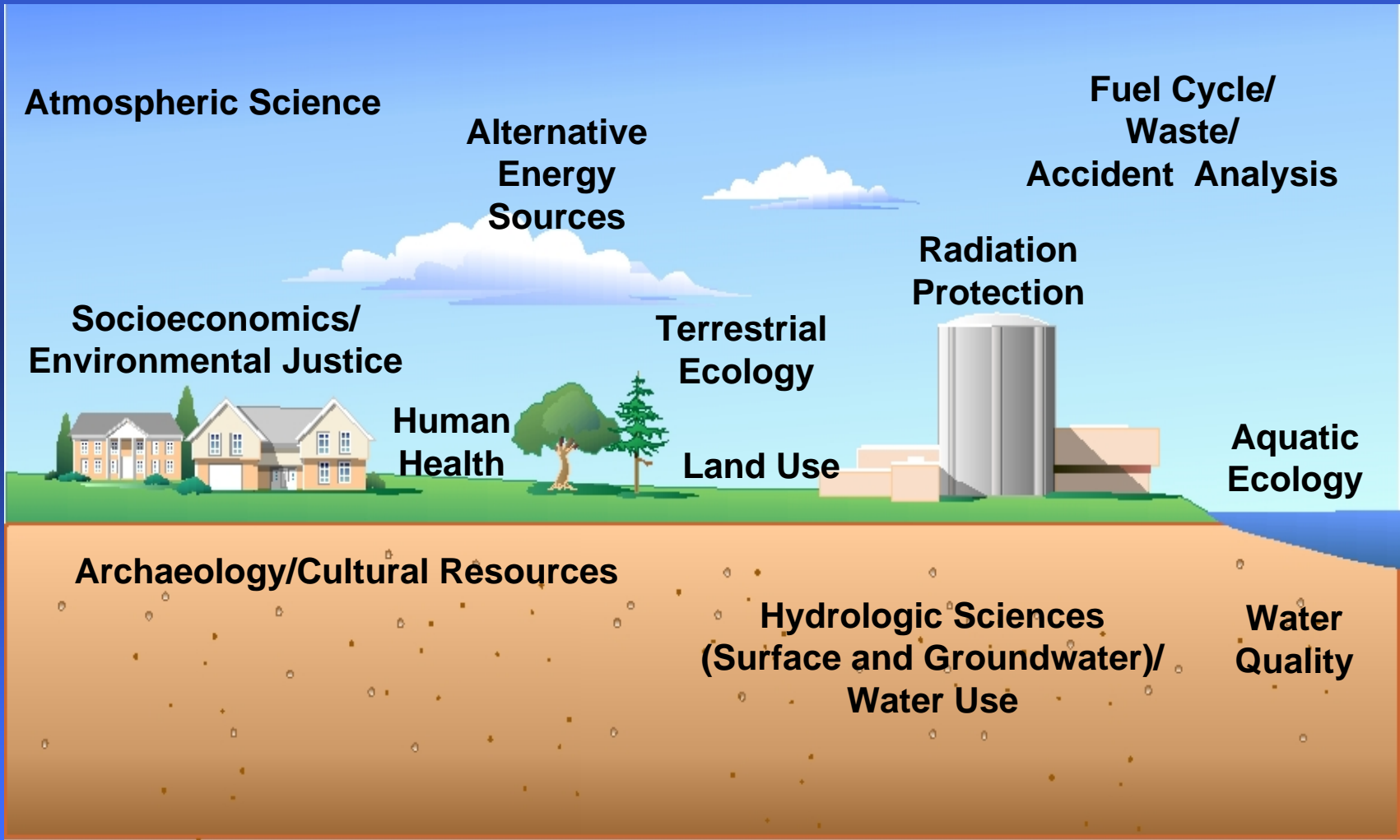
## Environmental Scoping

- **This process helps determine the scope of the environmental review and EIS**
- **Comments can be provided through March 6, 2009, when the scoping period ends**
- **The Scoping Summary Report will provide responses to comments received (~June 2009)**

# Information Gathering



# Environmental Review Team Expertise



# Environmental Review Schedule

- **Review of Environmental Report started**
- **Scoping period in progress**
  - **Notice of Intent published January 5, 2009**
  - **Comment period ends March 6, 2009**
- **Issue Draft EIS ~2010**
- **Public Meeting on Draft EIS ~2010**
- **Issue Final EIS ~2011**

# NRC Summer Contacts and Information

- **Patricia Vokoun, Environmental Project Manager**
  - **1 (800) 368-5642, extension 3470**
  
- **Ravindra Joshi, Lead Safety Project Manager**
  - **1 (800) 368-5642, extension 6191**
  
- **Public Document Room**
  - **Telephone: 1-800-397-4209**
  - **Email: [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov)**

**VCSNS documents can be viewed at:**

- **NRC's website:**  
**<http://www.nrc.gov/reactors/new-reactors/col/summer.html>**
- **Fairfield County Library**

# Environmental Scoping Comments

**Provide Scoping comments through March 6, 2009:**

- **At this scoping meeting**
- **By mail:** Chief, Rulemaking, Directives, and  
Editing Branch  
Division of Administrative Services  
Office of Administration  
Mailstop TWB-05-B01M  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001
- **By email:** [Summer.COLEIS@nrc.gov](mailto:Summer.COLEIS@nrc.gov)