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Diablo Canyon Units 1 and 2, Pre-Submittal License Renewal Process Overview and End of Cycle Assessment

Webinar will begin shortly

POC: Brian.Harris2@nrc.gov

ADAMS ML23118A090

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Meeting Logistics

- The NRC will provide an overview of end of cycle assessment and the license renewal process.
- Attendees will have an opportunity to ask questions or make comments.
- No regulatory decisions will be made at today's meeting.

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Overall Agenda

Time	Topic	Speaker
6:00 pm (PST)	Introduction/Opening Remarks	NRC
6:05 pm (PST)	End of Cycle Assessment Presentation	NRC
6:15 pm (PST)	License Renewal Overview Presentation	NRC
6:40 pm (PST)	PG&E Presentation	PG&E
6:50 pm (PST)	Public Comments	All
9:00 pm (PST)	Adjourn	

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Opening Remarks

Robert Taylor
U.S. NRC
Deputy Office Director For New Reactors
Office of Nuclear Reactor Regulation

John Monninger
U.S. NRC
Region IV
Deputy Regional Administrator

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Introductions

- Rob Taylor, Deputy Office Director, Office of Nuclear Reactor Regulation (NRR)
- John Monninger, Regional Administrator, Region IV
- John Moses, Deputy Division Director, Office of Nuclear Material Safety and Safeguards (NMSS)
- Lauren Gibson, Branch Chief (NRR)
- Patricia Vossmar, Branch Chief, Region IV
- Brian Harris, Senior Project Manager, NRR
- Kim Conway, Environmental Project Manager, NMSS

Diablo Canyon 2022 End of Cycle Assessment

May 3, 2023

Patricia Vossmar, Branch Chief
RIV/DORS/PBA

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Independent Plant Assessment

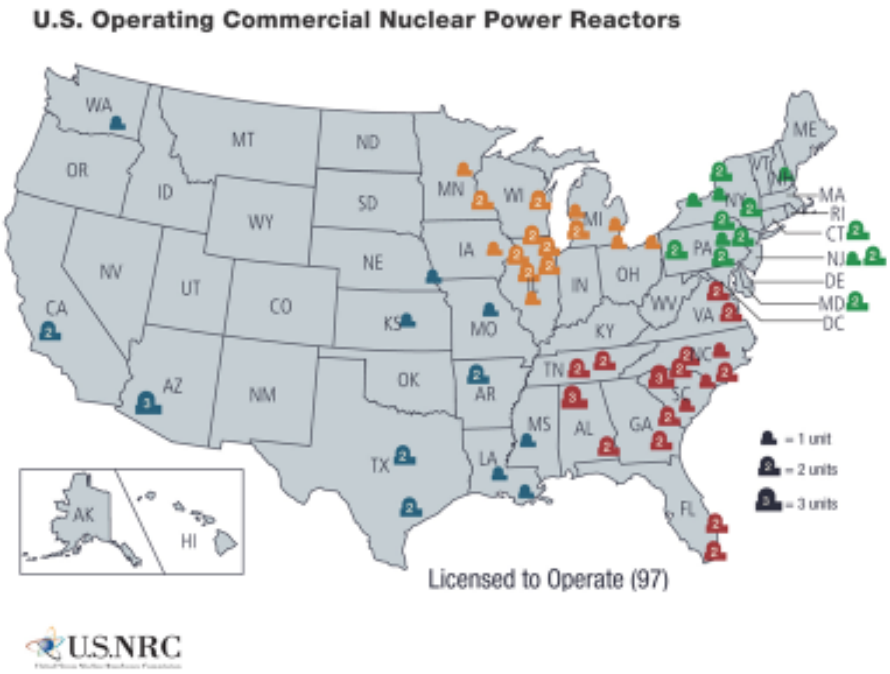
Resident Inspectors

Regional Inspectors

Branch Chief Oversight

Management Engagement

Reactor Oversight Process (ROP)



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Reactor Oversight Process

Performance Indicators + Findings
= Independent Plant Assessment

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Significance Threshold

Performance Indicators

Green:	Baseline Inspection
White:	Increases NRC oversight
Yellow:	Increases NRC oversight
Red:	Increases NRC oversight

Inspection Findings

Green:	Very low significance safety issue
White:	Low to moderate safety issue
Yellow:	Substantial safety issue
Red:	High safety issue

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NRC Action Matrix Columns

Plant Assessment = Performance Indicators + Findings

1	2	3	4	5
Licensee Response	Regulatory Response	Degraded Performance	Multiple/Repetitive Degraded Cornerstone	Unacceptable Performance

Increasing Safety Significance

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Independent Assessment Summary

Diablo Canyon Power Plant, Units 1 and 2, operated safely and in a manner that preserved the public health and safety and protected the environment.

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Sample of Upcoming 2023 Inspections

- Licensed Operator Requalification Program and Performance
- Emergency Preparedness
- Radiation Protection
- Inservice Inspection
- Cybersecurity

License Renewal Process Overview

May 3, 2023

Brian Harris, Senior Safety Project Manager
Kim Conway, Environmental Project Manager

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Agenda

- Background on request for resumption or an exemption
- License Renewal (SLR) Overview
  - Safety Review
  - Environmental Review

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Background: Diablo Canyon License Renewal

- The License Renewal Application (LRA) for Diablo Canyon Power Plant was submitted on November 23, 2009.
- On March 7, 2018, the licensee withdrew the previously submitted application.
- The current operating license expiration dates are November 2, 2024 and August 26, 2025, respectively.

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Background: Request for Resumption or Exemption

- On October 31, 2022, the licensee requested resumption of prior LRA or an exemption to timely renewal
- On January 24, 2023, (ML22343A197) the staff notified PG&E of its decision to not resume review of the LRA
- On March 2, 2023, (ML23026A115) the staff granted exemption from 10 CFR 2.109 .

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Background: 10 CFR 2.109 (b) "Timely Renewal Provision"

- 10 CFR 2.109(b) provides that if a nuclear power plant licensee files a sufficient license renewal application “at least 5 years before the expiration of the existing license, the existing license will not be deemed to have expired until the application has been finally determined.”

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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

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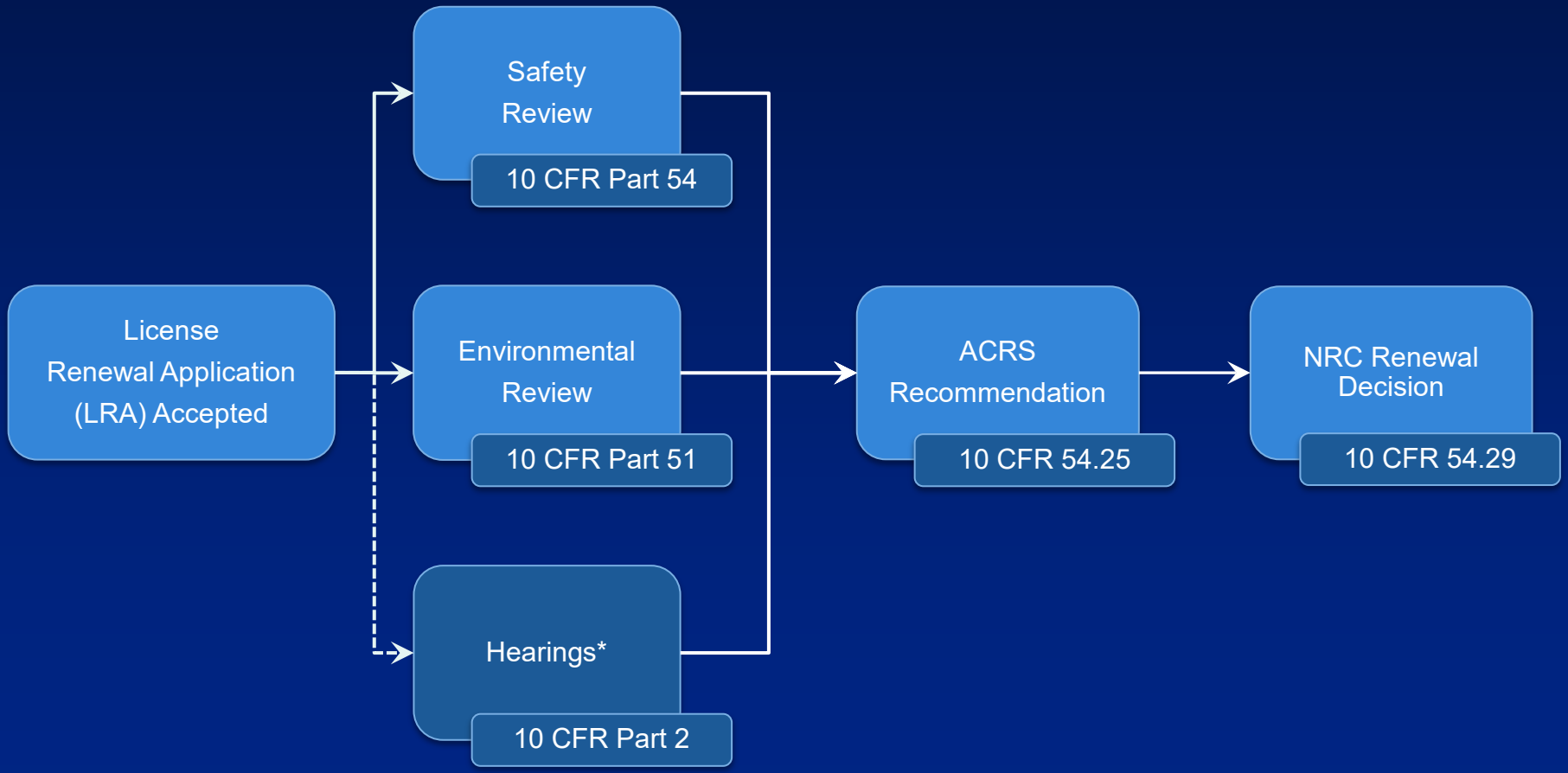
Process Overview



** If a Request for Hearing is Granted*

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License Renewal Inspections

- IP 71013
- Outage-based inspection
- Unit 1, Fall 2023
- Unit 2, Spring 2024

- IP 71002
- Scoping and screening
- Aging Management Programs
- Operating Experience
- Units 1&2 Summer 2024

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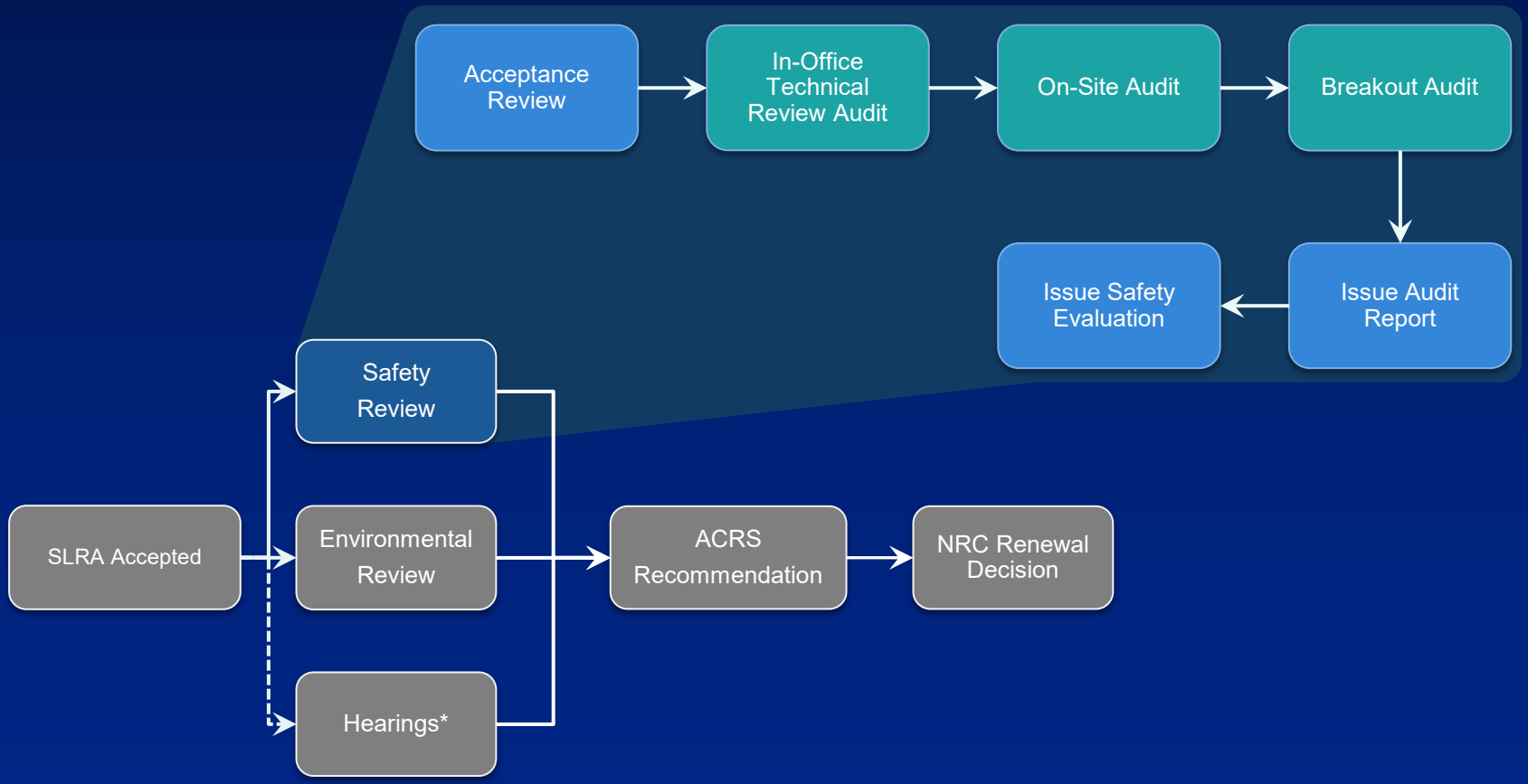
Safety Review Milestones



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Environmental Review

- 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 review is to determine if the environmental impacts of license renewal are so great that license renewal would be unreasonable

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Environmental Review (continued)

- Consider, analyze, and disclose environmental impacts of continued plant operation and alternatives to license renewal
- Identify and assess new and significant information regarding generic conclusions reached in the Generic EIS for License Renewal (LR GEIS)
- Staff evaluates site-specific issues in a Supplemental Environmental Impact Statement (SEIS) to the LR GEIS

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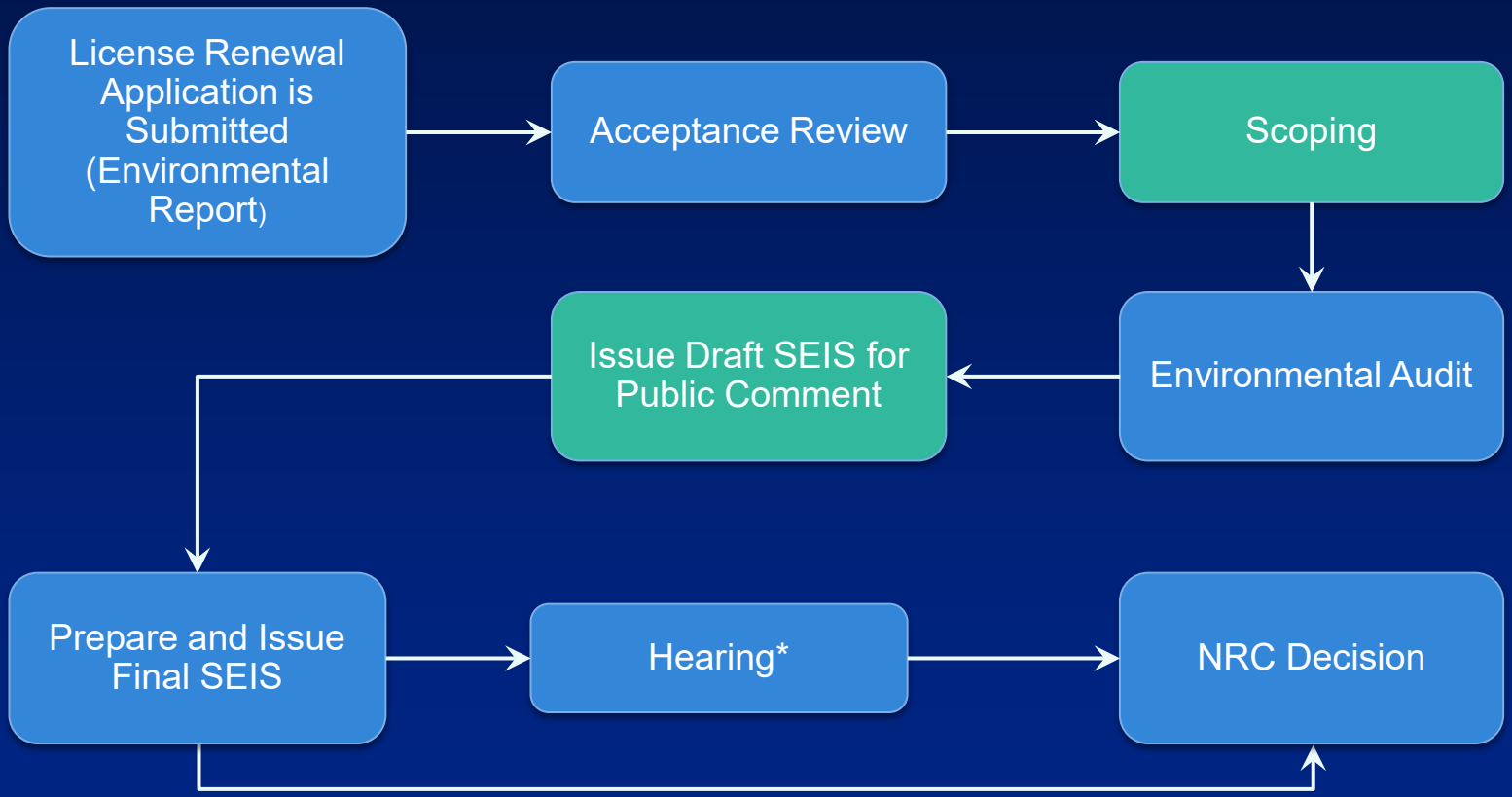
Environmental Review Process (License Renewal)



** If a Request for Hearing is Granted*

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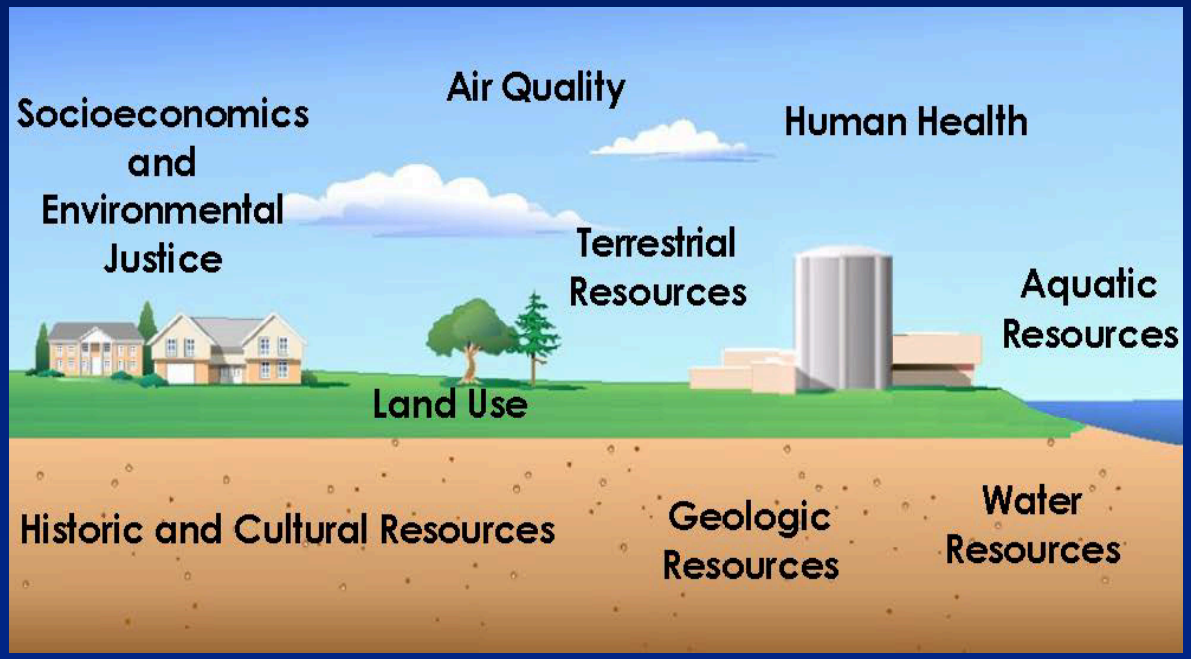
Environmental Impact Statement

- Staff evaluates impacts to resources
  - Fish and wildlife
  - Water, air, terrestrial resources
  - Historical & cultural resources
  - Socioeconomics
  - Environmental justice
  - Human health
  - Land use



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Agency Coordination and Consultation

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Project Manager Contacts

- Brian Harris, Safety PM
  - 301-415-2277
  - Brian.Harris2@nrc.gov
- Kim Conway, Environmental PM
  - 301-415-1335
  - Kimberly.Conway@nrc.gov
- Sam Lee, Operating Reactor PM
  - 301-415-3168
  - Samson.Lee@nrc.gov