



**U.S. NRC**

UNITED STATES NUCLEAR REGULATORY COMMISSION

*Protecting People and the Environment*

# **Environmental Review for Subsequent License Renewal**

Category 2 Public Meeting: NRC and NEI

May 19, 2016 9:00 am – 12:00 pm

Rockville, MD



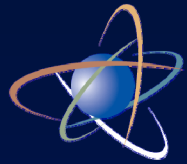
# Agenda

- 9:00 am - Opening Remarks (NRC and NEI)
- 9:05 am - Overview (NRC)
- 9:15 am - NEI proposal for evaluating new and significant information relative to SAMAs during subsequent license renewal (NEI)
- 10:00 am - Discussion (NRC and NEI)
- 11:00 am - Other considerations for optimizing subsequent license renewal environmental reviews (NRC and NEI)
- 11:30 am - Public input and questions
- 12:00 pm - Wrap-up and adjourn (NRC)



## Overview - Environmental Review for Power Reactor License Renewal

- License renewal subject to environmental review under NEPA
- NRC has completed approximately 55 reactor site environmental reviews for initial license renewal
  - Several reviews are ongoing or yet to be started
- NRC and Industry are preparing for next round of license renewals, aka “Subsequent License Renewal”
  - First application for subsequent license renewal expected in 2019



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## **Environmental Review for Subsequent License Renewal**

- Current regulatory framework is adequate for subsequent license renewal environmental review:
  - 10 CFR Part 51, “Environmental Protection Regulations for Domestic Licensing...”
  - “Generic Environmental Impact Statement (GEIS) for License Renewal of Nuclear Plants” (NUREG-1437)
  - Regulatory Guide 4.2, Supp. 1, Rev. 1, “Preparation of Environmental Reports for Nuclear Power Plant License Renewal Applications”
  - “Standard Review Plans for Environmental Reviews for Nuclear Power Plants, Supp. 1, Rev. 1: Operating License Renewal” (NUREG-1555)



## Environmental Review for Subsequent License Renewal

- For each subsequent license renewal environmental review, NRC will prepare a site-specific EIS (SEIS) that supplements the GEIS
  - Same approach that was used for initial license renewals
  - There is an ongoing effort to gain efficiencies in reviews
- NRC is seeking to “optimize” the subsequent license renewal environmental review process
  - Will leverage experience gained through initial license renewals
  - Goals: efficiency, transparency, decrease regulatory burden, improve timeliness
- Parallel effort ongoing for license renewal safety reviews



# Environmental Review for Subsequent License Renewal

- Optimization will focus on
  - NRC's interactions and exchanges with:
    - Applicants
    - External stakeholders (e.g., other agencies and the public)
  - NRC's internal processes
- Near-term focus will be on clarifying expectations that may affect the applicant's preparation and submittal of its Environmental Report (ER) to NRC
  - e.g., expectations regarding the Severe Accident Mitigation Alternatives (SAMA) analysis
- Other optimizations will be developed over time