



**POINT  
BEACH  
LICENSE  
RENEWAL  
PUBLIC  
MEETING  
WILL BEGIN  
SHORTLY ...**

- **Public Meeting Slides:  
ML21335A023**
- **Please log into both the  
TEAMS meeting and  
the bridgeline. Visuals will be  
through Microsoft TEAMS,  
and audio will be through the  
bridgeline.**
- **Bridgeline: 800-369-1776**
- **Passcode: 6429255 then #**



**U.S.NRC**

UNITED STATES NUCLEAR REGULATORY COMMISSION

*Protecting People and the Environment*

**Preliminary Results of the Environmental  
Review for Point Beach Nuclear Plant,  
Units 1 and 2 Subsequent License Renewal**

**December 8, 2021**

**Phyllis Clark, Environmental Project Manager**

**For Audio: Call 1-800-369-1776, Passcode 6429255**



# Meeting Logistics

- Meeting visuals are through TEAMS
- Meeting audio is through the bridgeline
- Participants are in listen-only mode until the comment session
- The staff actively solicit environmental concerns to aid the staff review
- Public comments are sought at specific points during the meeting
- No regulatory decisions will be made at today's meeting

**For Audio: Call 1-800-369-1776, Passcode 6429255**



# Introductions

- Sheila Ray, NRC facilitator
- Phyllis Clark, NMSS (Environmental Review)
- Robert Elliott, NMSS (Closing Remarks)

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## Overview

- NRC's Regulatory Role
- Point Beach Background
- Environmental Review
- Preliminary Findings
- Environmental Review Milestones
- Submitting Public Comments

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# NRC's Regulatory Role

## ➤ NRC's Governing Statutes

- Atomic Energy Act
  - 10 CFR Part 54
- National Environmental Policy Act (NEPA)
  - 10 CFR Part 51

## ➤ NRC's Mission

- Protect Public Health and Safety
- Promote Common Defense and Security
- Protect the Environment

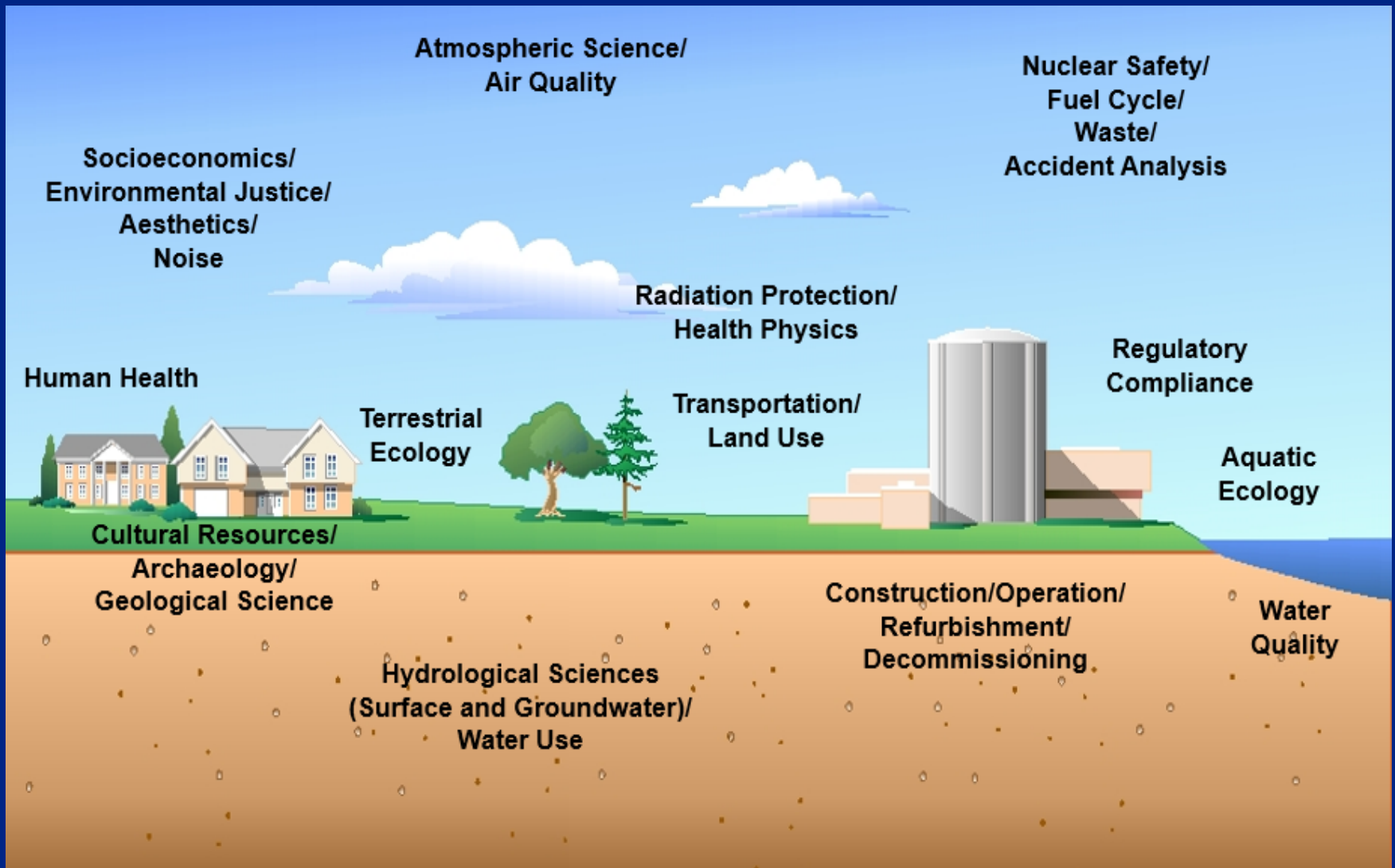
# Point Beach Nuclear Plant Background

Description	Unit 1	Unit 2
Operating Licenses Issued	October 5, 1970	March 3, 1973
First Renewed Licenses Issued	December 22, 2005	
First License Renewal Expires	October 5, 2030	March 8, 2033

- **Generic Environmental Impact Statement (GEIS)**
  - Addresses environmental issues common to all plants (or a distinct subset of plants) during the license renewal term
  
- **Supplemental Environmental Impact Statement**
  - Addresses site-specific environmental issues during the license renewal term
  - Includes any new and significant information regarding generic issues, an evaluation of alternatives, and an evaluation of cumulative impacts



# SEIS: Environmental Issues Evaluated



# How Impacts are Defined

- SMALL
  - Effects are not detectable or are so minor that they will neither destabilize nor noticeably alter any important attribute of the resource
- MODERATE
  - Effects are sufficient to alter noticeably, but not to destabilize important attributes of the resource
- LARGE
  - Effects are clearly noticeable and are sufficient to destabilize important attributes of the resource

## How Impacts are Defined

- **Federally Listed Species and Critical Habitat (Endangered Species Act)**
  - No effect
  - May affect but is not likely to adversely affect/adversely modify
  - May affect and is likely to adversely affect/adversely modify
- **Essential Fish Habitat (Magnuson-Stevens Act)**
  - No adverse impacts
  - Minimal adverse impacts
  - Substantial adverse impact

## **How Impacts are Defined (continued)**

- **Cultural and Historic Resources  
(National Historic Preservation Act)**
  - Would adversely affect
  - Would not adversely affect
- **Environmental Justice (Executive  
Order 12898)**
  - Disproportionately high and adverse  
human health and environmental effects

# Point Beach Draft SEIS Preliminary Results

## Resource Areas- SMALL impacts

- Land Use/Visual Resources
- Air Quality/Noise
- Geologic Environment
- Surface Water Resources
- Groundwater Resources
- Terrestrial Resources
- Aquatic Resources
- Socioeconomics
- Transportation
- Human Health
- Waste Management and Pollution

## Point Beach Draft SEIS Preliminary Results (cont.)

### Resource Area

- Special Status Species and Habitats (threatened, endangered, and protected species; essential fish habitat)

### Impacts

- May affect, but is not likely to adversely affect, northern long-eared bat or piping plover. No adverse effects on an essential fish habitat.

## Point Beach Draft SEIS Preliminary Results (cont.)

### Resource Area

- Historic and Cultural Resources
- Environmental Justice
- Cumulative Impacts
- Postulated Accidents (SAMA)

### Impacts

- Would not adversely affect known historic properties
- No disproportionately high and adverse human health and environmental effects on minority and low-income populations
- See SEIS Section 3.16
- See SEIS Appendix F

# Cumulative Impacts

- Overall impacts to the environment including past, present, and reasonably foreseeable future actions
- Actions that were considered include:
  - Other projects at the Point Beach site
  - Electric generation facilities
  - Manufacturing and mining facilities
  - Water supply and treatment facilities
  - Parks and recreation sites
  - Transportation facilities
  - Other construction projects



## Alternatives

- Alternative energy sources analyzed (power replacement)
  - New nuclear (small modular reactor)
  - Natural gas combined-cycle
  - Combination alternative (small modular reactor, solar, and onshore wind)
- No-action alternative

## Preliminary Conclusion

- The adverse environmental impacts of the Point Beach Nuclear Plant license renewal are not so great that preserving the option of subsequent license renewal for energy-planning decisionmakers would be unreasonable.

# Environmental Review Milestones

- |                                      |                        |
|--------------------------------------|------------------------|
| ➤ Application Received               | November 16, 2020      |
| ➤ Notice of Opportunity for Hearing  | January 22, 2021       |
| ➤ Notice of Intent for Scoping       | February 1, 2021       |
| ➤ Environmental Scoping Meeting      | February 17, 2021      |
| ➤ Scoping Comments End               | March 3, 2021          |
| ➤ Hearing Request Opportunity Closes | March 23, 2021         |
| ➤ Draft SEIS Issued                  | November 2, 2021       |
| ➤ Draft SEIS Public Meeting          | December 8, 2021       |
| ➤ <b>Draft SEIS Comments End</b>     | <b>January 3, 2022</b> |
| ➤ Final SEIS Issued                  | June 2022              |
| ➤ License Renewal Decision           | July 2022              |
- <https://www.nrc.gov/reactors/operating/licensing/renewal/applications/point-beach-subsequent.html>

## Obtaining The Draft SEIS

- **Public Library: (printed copy for inspection)**  
Lester Public Library, 1001 Adams Street, Two Rivers, WI 54241
- **Point Beach Project Public Website:**  
<https://www.nrc.gov/reactors/operating/licensing/renewal/applications/point-beach-subsequent.html>
- **Agencywide Documents Access and Management System (ADAMS):**
  - <https://www.nrc.gov/reading-rm/adams.html>
  - Draft SEIS accession number: ML21306A226

## For Additional Information

- **Point Beach Project Public Website:**

- <https://www.nrc.gov/reactors/operating/licensing/renewal/applications/point-beach-subsequent.html>

- Point Beach subsequent license renewal application
  - The environmental report
  - The current schedule
  - The project managers associated with Point Beach license renewal review

- **Point Beach Correspondence:**

- <https://www.nrc.gov/public-involve/listserver/plants-by-region.html>



# Submitting Comments on the Draft Supplemental EIS

- Provide written comments:
  - By email: PointBeach-SLRSEIS@nrc.gov
  - Website: <http://www.regulations.gov>,  
Docket ID NRC-2020-0277
  - By mail: Office of Administration  
Mailstop TWFN7A60M  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001
- **Comments should be submitted by January 3, 2022**
- Contact : Phyllis.Clark@nrc.gov, 301-415-6447



# Public Participation

- Please press \*1 to get in queue to speak
- State and spell your name and affiliation
- Press # to return to the meeting
- The operator will introduce you when it's your turn to speak



# Submitting Comments on the Draft Supplemental EIS

- Provide written comments:
  - By email: PointBeach-SLRSEIS@nrc.gov
  - Website: <http://www.regulations.gov>,  
Docket ID NRC-2020-0277
  - By mail: Office of Administration  
Mailstop TWFN7A60M  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001
- **Comments should be submitted by January 3, 2022**
- Contact : Phyllis.Clark@nrc.gov, 301-415-6447