



**U.S.NRC**

UNITED STATES NUCLEAR REGULATORY COMMISSION

*Protecting People and the Environment*

**COMANCHE  
PEAK  
LICENSE  
RENEWAL  
PUBLIC  
MEETING**

**WILL BEGIN  
SHORTLY ...**

- **Meeting slides can be found in the NRC's ADAMS (ML23332A277) and on the public meeting schedule page for this meeting (ML23313A062)**
- Meeting runtime: 1:00-3:00 pm CT



**Preliminary Results of the Environmental  
Review for Comanche Peak  
Nuclear Power Plant Units 1 and 2  
License Renewal**

December 7, 2023

# Overview

- NRC's Regulatory Role
- Comanche Peak Background
- Comanche Peak Project Milestones and Status
- Environmental Review
- Preliminary Findings
- Submitting Public Comments

# **NRC's Regulatory Role**

- **NRC's Primary Governing Statutes**
  - Atomic Energy Act
  - Energy Reorganization Act
  - National Environmental Policy Act (NEPA)
- **NRC's Mission**
  - Protect public health and safety
  - Promote the common defense and security
  - Protect the environment

# Comanche Peak Nuclear Power Plant Background

Description	Unit 1	Unit 2
Operating Licenses Issued	April 17, 1990	April 6, 1993
Current License Expires	February 8, 2030	February 6, 2033

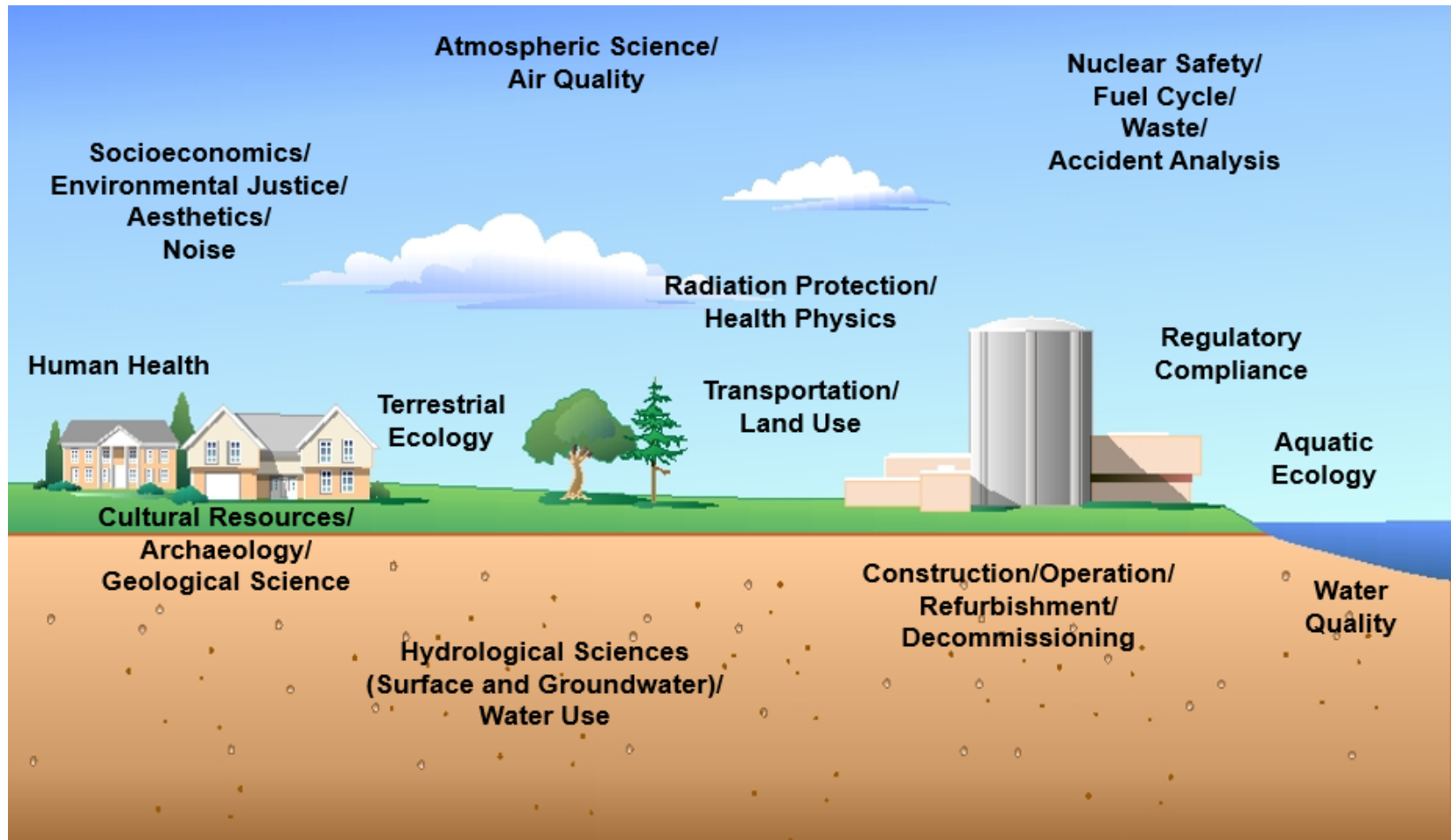
# CPNPP Project Milestones and Status

Milestone	Schedule Date	Actual Date
Receive License Renewal Application (LRA)	10/2022	10/3/2022
Publish <i>Federal Register</i> Notice (FRN) – LRA Availability	10/2022	10/31/2022
Publish FRN – Docketing Acceptance/Rejection and Opportunity for Hearing	11/2022	11/29/2022
Publish FRN – Notice of Intent to Prepare an Environmental Impact Statement and Conduct Scoping	11/2022	12/13/2022
Public Meeting – Overview of Subsequent License Renewal Process and Environmental Scoping	01/2023	01/17/2023
Issue Draft Supplemental Environmental Impact Statement (SEIS)	10/2023	10/31/2023
<b>Public Meeting – Draft SEIS Meeting</b>	11/2023	12/7/2023
End of DSEIS Comment Period	12/2023	12/26/2023
Issue Safety Evaluation Report (SER)	02/2024	
Issue Final SEIS	04/2024	
ACRS Full Committee Meeting ( <b>public meeting</b> )	04/2024	
U.S. Environmental Protection Agency FRN Published – Availability of Final SEIS	05/2024	
Decision – Director, NRR	09/2024	

# Environmental Review

- **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 (SEIS) or Supplement to the GEIS**
  - 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)**
  - Disproportionally high and adverse human health and environmental effects

# Comanche Peak Draft SEIS

## Preliminary Results

Resource Area	Impacts
<ul style="list-style-type: none"><li>• Land Use/Visual Resources</li><li>• Air Quality/Noise</li><li>• Geologic Environment</li><li>• Surface Water Resources</li><li>• Groundwater Resources</li><li>• Terrestrial Resources</li><li>• Aquatic Resources</li><li>• Socioeconomics</li><li>• Transportation</li><li>• Human Health</li><li>• Waste Management and Pollution</li></ul>	<b>All SMALL</b>

# Comanche Peak Draft SEIS

## Preliminary Results (continued)

Resource Area	Impacts
<ul style="list-style-type: none"><li>Special Status Species and Habitats (threatened, endangered, and protected species; essential fish habitat)</li></ul>	<ul style="list-style-type: none"><li>May affect, but is not likely to adversely affect, golden-cheeked warbler, tricolored bat, monarch butterfly. No adverse effects on an essential fish habitat.</li></ul>

# Comanche Peak Draft SEIS

## Preliminary Results (continued)

Resource Area	Impacts
<ul style="list-style-type: none"><li>• Historic and Cultural Resources</li></ul>	<ul style="list-style-type: none"><li>• Would not adversely affect any known historic properties</li></ul>
<ul style="list-style-type: none"><li>• Environmental Justice</li></ul>	<ul style="list-style-type: none"><li>• No disproportionately high and adverse human health and environmental effects on minority and low-income populations</li></ul>
<ul style="list-style-type: none"><li>• Cumulative Impacts</li></ul>	<ul style="list-style-type: none"><li>• See SEIS Section 3.16</li></ul>
<ul style="list-style-type: none"><li>• Postulated Accidents (SAMA)</li></ul>	<ul style="list-style-type: none"><li>• See SEIS Appendix F</li></ul>

# Cumulative Impacts

- Overall impacts to the environment including past, present, and reasonably foreseeable future actions
- Actions that were considered include:
  - Onsite Interim Spent Fuel Storage (dry-casks)
  - Nearby State transportation and infrastructure projects (e.g., water line)
  - Nearby pipeline projects (e.g., Wolf Hollow, Targa Pipeline, Warrior Pipeline)
  - State transportation improvement and maintenance projects in the vicinity (e.g., US 377 improvement, FM 200 maintenance, etc.)

# Alternatives

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



# **Preliminary Conclusion**

The adverse environmental impacts of Comanche Peak Nuclear Power Plant license renewal are not so great that preserving the option of license renewal for energy-planning decisionmakers would be unreasonable

# Obtaining the Draft SEIS

- **Public Library (printed copy for inspection):**
  - Somervell County Library, 108 Allen Dr., Glen Rose, TX 76043
  - Hood County Library, 222 N Travis St., Granbury, TX 76048
- **Comanche Peak Project Public Website:**  
<https://www.nrc.gov/reactors/operating/licensing/renewal/applications/comanche-peak.html>
- **Agencywide Documents Access and Management System (ADAMS):**
  - <https://www.nrc.gov/reading-rm/adams.html>
  - Draft SEIS accession number: ML23299A252

# For Additional Information

- **Comanche Peak Project Public Website:**

- <https://www.nrc.gov/reactors/operating/licensing/renewal/applications/comanche-peak.html>

- Comanche Peak license renewal application
  - The environmental report
  - The current schedule
  - The project managers associated with the Comanche Peak license renewal project

- **Comanche Peak Correspondence:**

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

# How to Submit Comments

- **By Mail:** TWFN-7-A60M, ATTN: Program Management, Announcements and Editing Staff, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001
- **Internet:**
  - [www.regulations.gov](http://www.regulations.gov)
  - Docket ID: NRC–2022–0183
- **Please contact the Env. PM with any questions:**  
Email: [tam.tran@nrc.gov](mailto:tam.tran@nrc.gov), Voice: 301-415-3617
- **Comments due by December 26, 2023**

# DSEIS Participant Contact Information

- **Final SEIS:**
  - To receive the final SEIS, email participant contact information to [tam.tran@NRC.gov](mailto:tam.tran@NRC.gov)
- **Meeting Summary:**
  - Meeting participant list
  - NRC presentation
  - Transcript of the meeting