



# Pumped Storage Hydro Study

ENVIRONMENTAL / FIELD STUDIES

February 2023



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TVA is evaluating multiple areas for Pumped Storage Hydro (PSH) sites in the Jackson County area.

Currently just in the study phase – this evaluation will assess land, environment, and community impacts to help inform TVA planning and future construction.

## Benefits of Pumped Storage Hydro



Rates

Lowest cost mature option for long duration storage. Reduces risk in regulations, and fuel cost



Reliability

More energy storage is needed for continued electric reliability and to store power from traditional and renewable energy sources



Job Opportunities

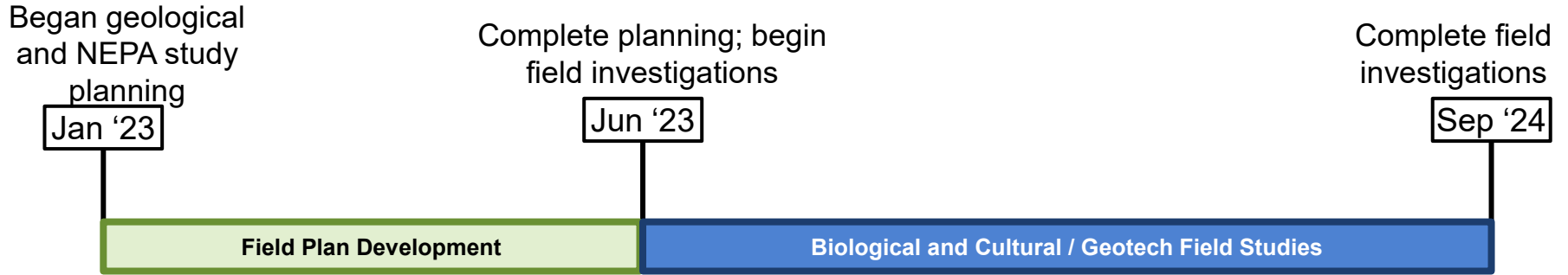
Job opportunities associated with construction and ongoing facility operations and maintenance



Environmental Impact

Enables low-carbon energy generation, through additional solar, nuclear, and carbon capture technologies

# Schedule for Field Studies

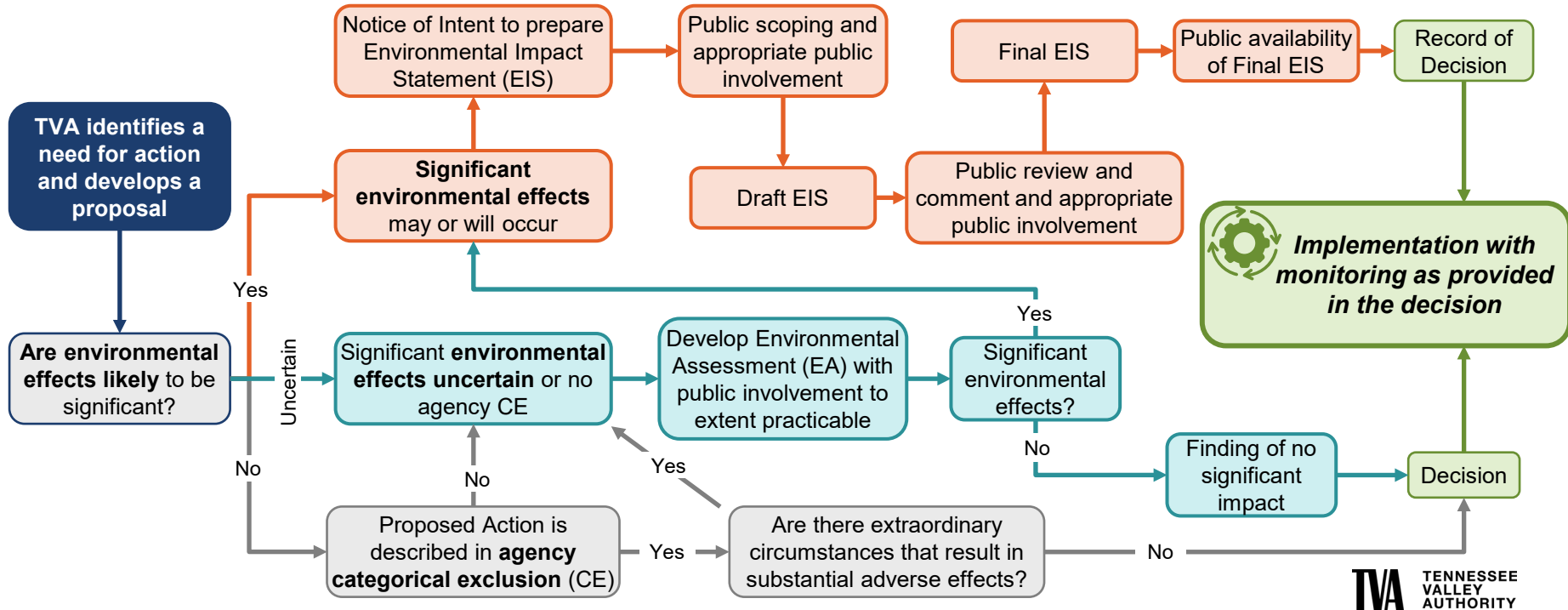


**Notes:**

- **FOR ILLUSTRATIVE PURPOSES ONLY.** All dates in proposed schedule are subject to change based upon determinations in the planning phase.
- Milestones reflect potential completion dates.

# The NEPA Process at TVA

TVA follows the National Environmental Policy Act (NEPA) process to help ensure that decisions made protect, restore, and enhance the human environment.



# Biological and Cultural Field Study Examples



# Geological Field Study Examples

