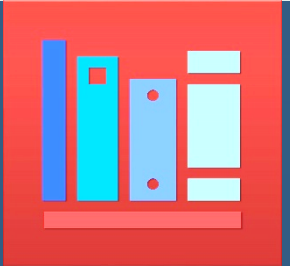


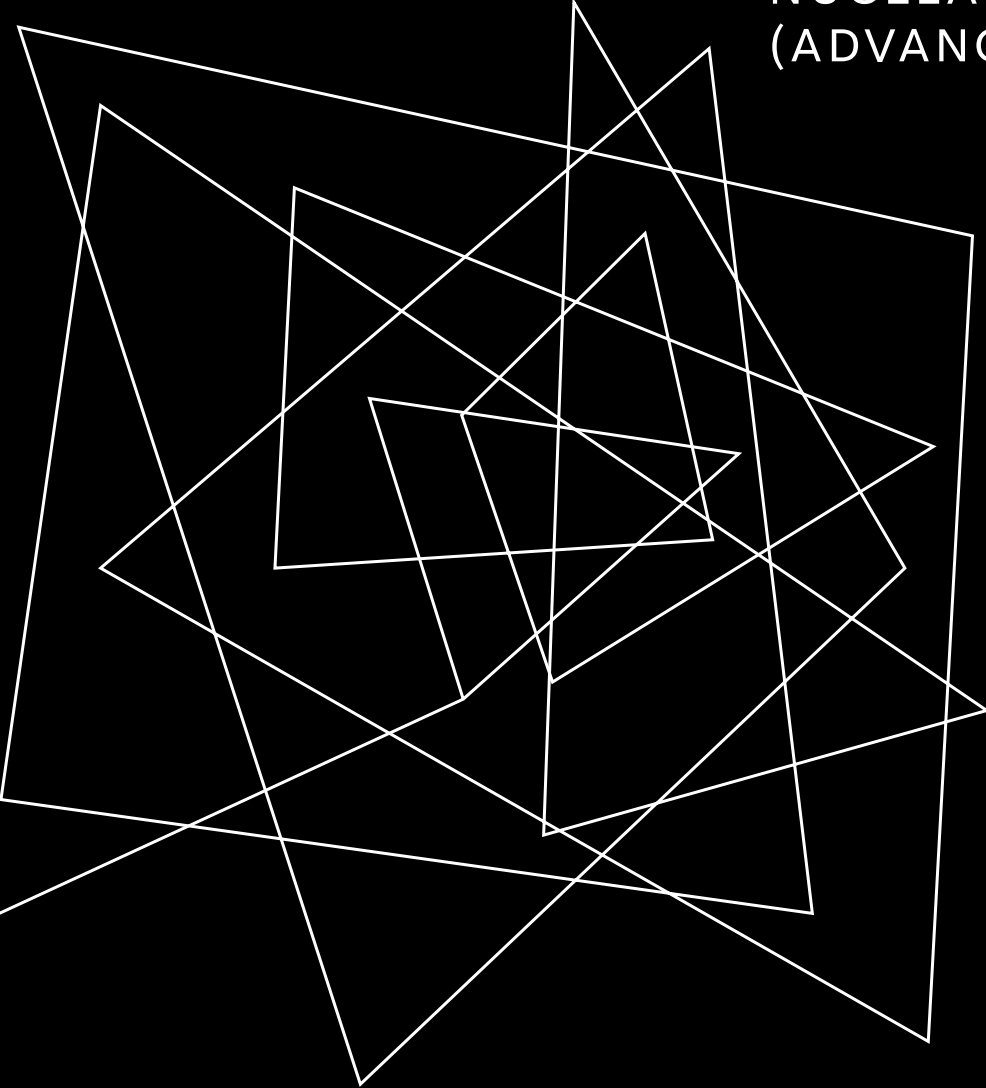
# Stakeholder Engagement - Accelerating Deployment of Versatile, Advanced Nuclear for Clean Energy Act of 2024 (ADVANCE Act of 2024, Section 401)



- **Session Chair:** Michele Sampson, Director, Division of New and Renewed Licenses, NRC Office of Nuclear Reactor Regulation

**Seeking stakeholder input and engagement**

ACCELERATING DEPLOYMENT OF VERSATILE, ADVANCED  
NUCLEAR FOR CLEAN ENERGY ACT OF 2024  
(ADVANCE ACT OF 2024)



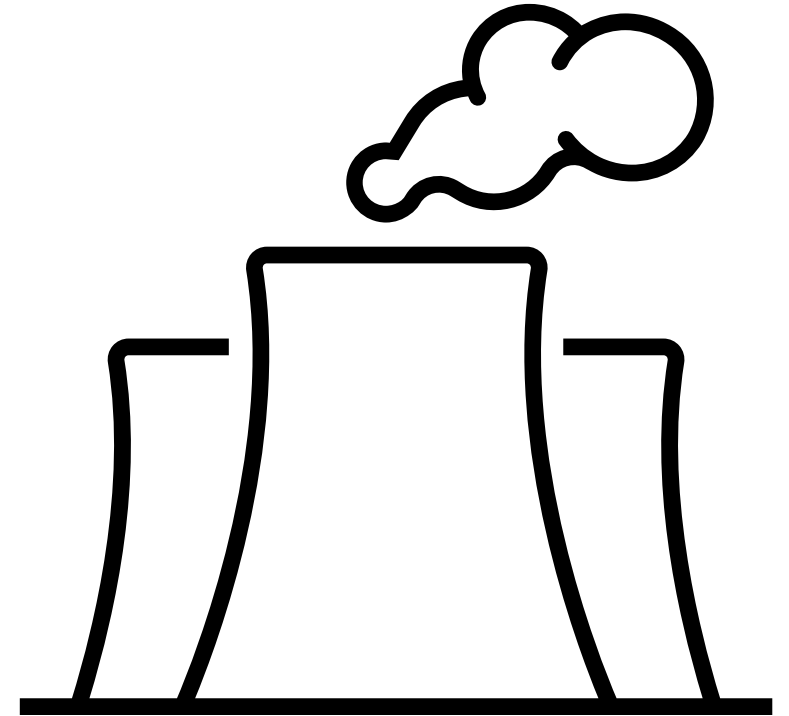
***OVERVIEW OF SEC. 401.  
REPORT ON ADVANCED  
METHODS OF  
MANUFACTURING AND  
CONSTRUCTION FOR  
NUCLEAR ENERGY  
PROJECTS***

***SESSION CHAIR: MICHELE SAMPSON, DIRECTOR  
DIVISION OF NEW AND RENEWED LICENSES***

BY JANUARY 2025, THE NRC  
WILL SUBMIT A REPORT TO  
CONGRESS THAT WILL:

## Examine:

- ✓ unique licensing issues or requirements relating to the use, for nuclear energy projects, of:
  - Advanced manufacturing process
  - Advanced construction techniques
  - Rapid improvement or iterative innovation process



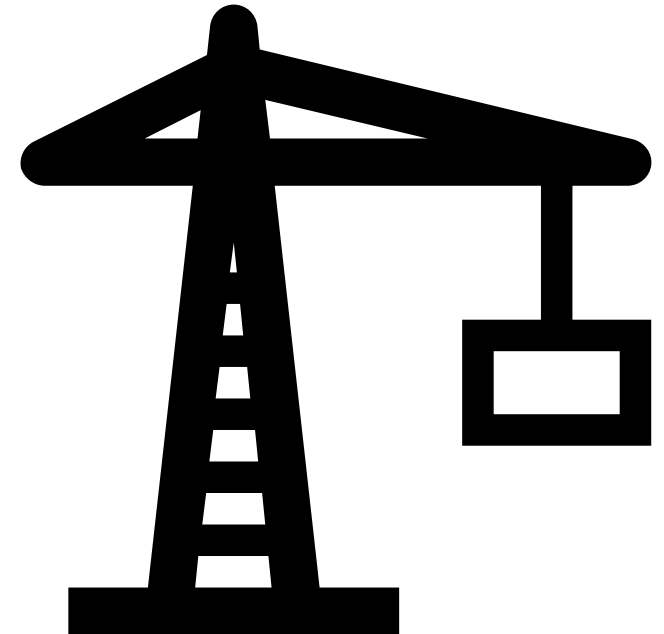
# Examine:

- ✓ Requirements for nuclear-grade components in manufacturing and construction
- ✓ Potential use of standard materials, parts, or components in manufacturing and construction
- ✓ Potential use of standard materials that are already in compliance with existing codes and standards
- ✓ Requirements related to the transportation of fueled advanced nuclear reactor core



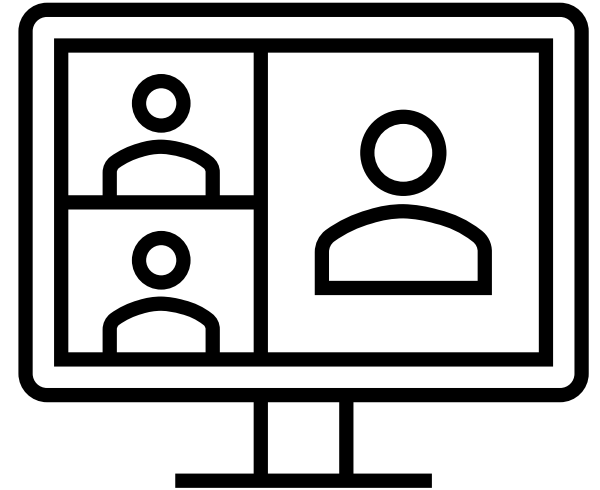
# Identify:

- ✓ Safety aspects of advanced manufacturing processes and advanced construction techniques that are not addressed by existing codes and standards
- ✓ Options for addressing the issues, requirements, and opportunities
- ✓ How domestic nuclear manufacturing and construction developers are impacted
- ✓ Extent to which Commission action is needed for implementation

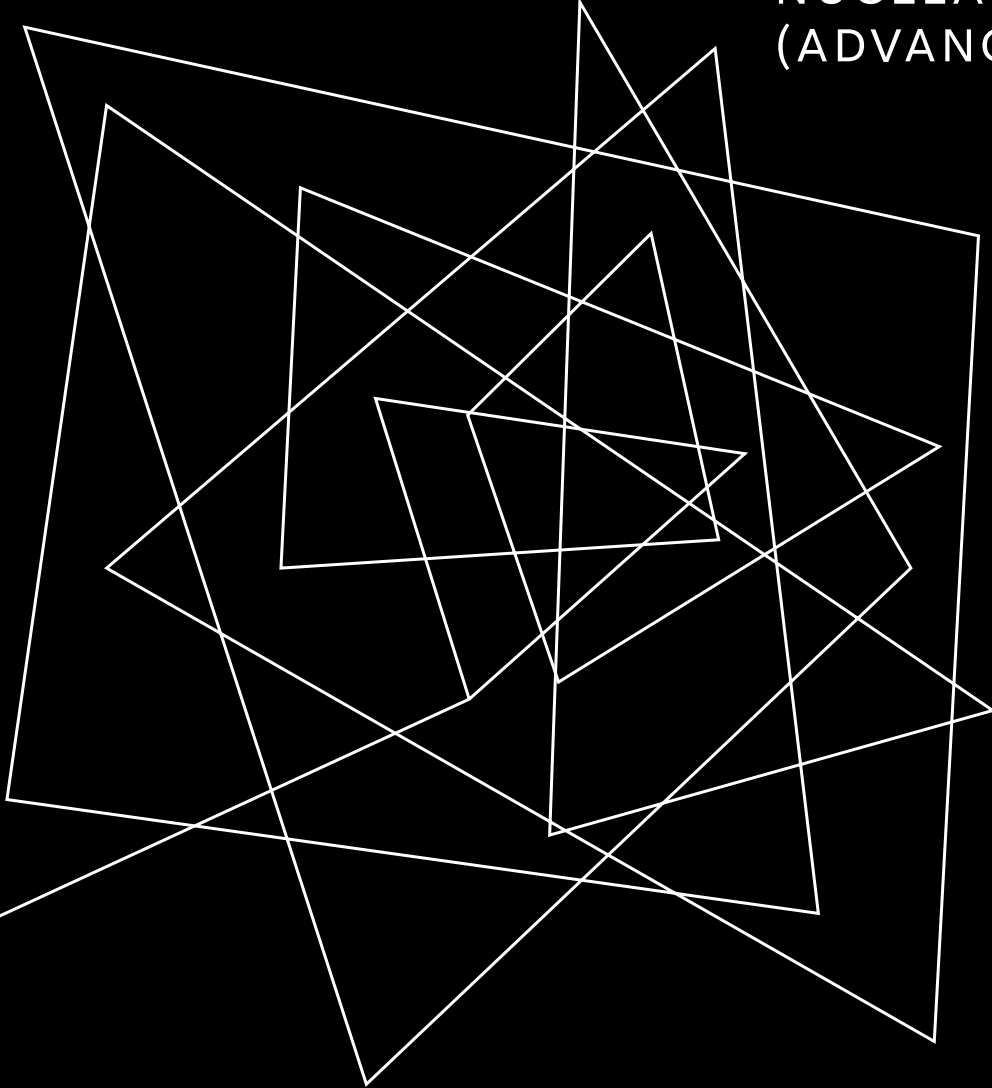


# Public Meeting

- ✓ Date: September 30, 2024 (Virtual)
- ✓ Time: 1:00 – 4:00 pm (EDT)
- ✓ Purpose: to solicit external stakeholder feedback to support the development of the report
- ✓ Meeting Notice can be found on the NRC site [here](#).
- ✓ Please register at this [link](#).
- ✓ This meeting will be recorded.



ACCELERATING DEPLOYMENT OF VERSATILE, ADVANCED  
NUCLEAR FOR CLEAN ENERGY ACT OF 2024  
(ADVANCE ACT OF 2024)



***WE NEED YOUR INPUT***  
***PLEASE STEP UP TO THE***  
***MIC OR RAISE YOUR***  
***HAND***

***SESSION CHAIR: MICHELE SAMPSON, DIRECTOR***  
***DIVISION OF NEW AND RENEWED LICENSES***