CARBON FREE
POWER PROJECT
155 North 400 West, Suite 480
Salt Lake City, UT 84103

LO-124594

September 09, 2022 Docket No. 99902052

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

SUBJECT: NuScale Power, LLC Submittal of Presentation Materials Entitled "Carbon Free Power Project (CFPP) Combined License Application (COLA) Presentation Physical Security (Closed Session)," PM-124593-NP, Revision 0

NuScale Power, LLC (NuScale) has requested a meeting with the NRC technical staff on September 20, 2022, to discuss the physical security protection strategy that is being considered for CFPP. NuScale requested both open and closed sessions for this meeting due to the proprietary nature of certain topics that will be discussed.

The purpose of this submittal is to provide presentation materials to the NRC for use during the closed session of this meeting.

Enclosure 1 is the nonproprietary presentation entitled "Carbon Free Power Project (CFPP) Combined License Application (COLA) Presentation Physical Security (Closed Session)," PM-124593-NP, Revision 0. Although the presentation materials in this enclosure are nonproprietary and can be released to the public, discussion of the topics referred to in Enclosure 1 during the closed session will involve proprietary information.

This letter makes no regulatory commitments and no revisions to any existing regulatory commitments.

If you have any questions, please contact Susan Baughn at 541-452-7319 or at sbaughn@nuscalepower.com.

Sincerely,

John Volkoff
Manager, Combined License Applications
NuScale Power, LLC
COLA Support on behalf of CFPP, LLC

Distribution: Michael Dudek, NRC
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Greg Cranston, NRC
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Enclosure 1: "Carbon Free Power Project (CFPP) Combined License Application (COLA) Presentation Physical Security (Closed Session)," PM-124593-NP, Revision 0

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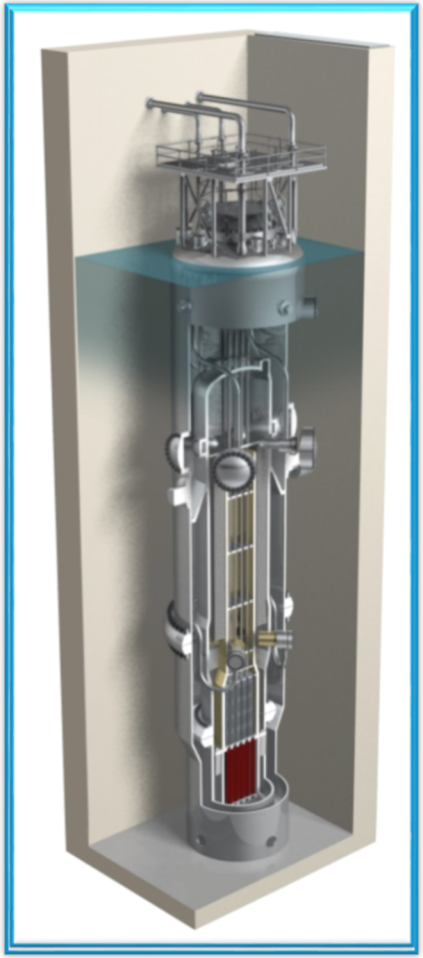
Enclosure 1:

"Carbon Free Power Project (CFPP) Combined License Application (COLA) Presentation Physical Security (Closed Session)," PM-124593-NP, Revision 0

Carbon Free Power Project (CFPP) Combined License Application (COLA) Presentation



Physical Security (Closed Session)

September 20, 2022

Presenters

Susan Baughn
Supervisor, Licensing

Kevin Deyette
Program Manager, Nuclear Security and Emergency Preparedness

Agenda

- CFPP Security Program Approach
- Next Steps
- Questions

CFPP Security Program Approach

- Performance based approach consistent with SECY-22-0072
- Specific considerations
  - Security by Design
  - Armed responders
  - Barriers
  - Dose consequence analysis
  - Force-on-Force computer modeling and simulation

Next Steps

- CFPP seeks feedback from the NRC
  - Proposed approach
  - Future meetings

Questions?

Acronyms

ACR	Acronym
CFPP	Carbon Free Power Project
COLA	Combined License Application
NRC	Nuclear Regulatory Commission
SECY	Office of the Secretary (NRC Commission Staff Office)