

January 19, 2023

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 on behalf of Carbon Free Power Project, LLC Entitled "Carbon Free Power Project (CFPP) Combined License Application (COLA) Presentation, Four-Phase Review Strategy and Engagement Schedule (Open Session)," PM-132968-NP, Revision 0

REFERENCES:

1. LO-112496, NuScale Power, LLC Letter of Intent Providing the Carbon Free Power Project (CFPP) Combined License Application (COLA) Response to NRC Regulatory Issue Summary 2020-02 and Regulatory Engagement Plan, PL-106946, Revision 0 (ML22028A277, ML22028A278)
2. LO-121350, NuScale Power, LLC Submittal Entitled "Carbon Free Power Project (CFPP) Regulatory Engagement Plan," Revision 1, on behalf of CFPP, LLC (ML22224A238, ML22224A239)
3. LO-127409, NuScale Power, LLC Submittal Entitled "Carbon Free Power Project (CFPP) Combined License Application (COLA) Presentation Four-Phase Review Strategy," Revision 0, on behalf of CFPP, LLC (ML22298A208, ML22298A211)

NuScale Power, LLC (NuScale) has requested a meeting with the NRC technical staff on January 25, 2023, to discuss the CFPP COLA Four-Phase Review Strategy and Engagement Schedule. NuScale requested a closed meeting due to the proprietary nature of the information that will be presented and discussed.

The purpose of this submittal is to provide presentation materials to the NRC for use during this meeting. The proposed Four-Phase Review Strategy was introduced in January 2022 as part of CFPP Regulatory Engagement Plan, Revision 0 (Reference 1), with further details supporting this proposed strategy provided in August 2022 as part of CFPP Regulatory Engagement Plan, Revision 1 (Reference 2). A COLA review strategy was introduced to support a four-phase review during the October 31, 2022 public meeting (Reference 3). The enclosed presentation materials are intended to further the understanding of how CFPP will support a four-phase

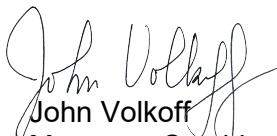
review for the CFPP COLA. This will be discussed during the upcoming public meeting scheduled for January 25, 2023.

Enclosure 1 to this letter is the nonproprietary presentation entitled "Carbon Free Power Project (CFPP) Combined License Application (COLA) Presentation, Four-Phase Review Strategy and Engagement Schedule (Open Session)," PM-132968-NP, Revision 0. The proprietary version is provided in a separate submittal, under letter number LO-132972.

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
Omid Tabatabai, NRC
Greg Cranston, NRC

Enclosure 1: "Carbon Free Power Project (CFPP) Combined License Application (COLA) Presentation, Four-Phase Review Strategy and Engagement Schedule (Open Session)," PM-132968-NP, Revision 0, nonproprietary version

Enclosure 1:

“Carbon Free Power Project (CFPP) Combined License Application (COLA) Presentation, Four-Phase Review Strategy and Engagement Schedule (Open Session),” PM-132968-NP, Revision 0, nonproprietary version

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



Four-Phase Review Strategy and Engagement Schedule (Open Session)
January 25, 2023

CFPP Team

Leadership

Glenn Neises
CFPP Owner's Engineer
Nuclear Director
Burns & McDonnell

Emily Wegener
General Counsel
Utah Associated Municipal Power Systems

Scott Head
Regulatory Affairs Manager
CFPP

Pete Kissinger
Director Nuclear Fleet Operations
Strategy & Services
Xcel Energy Nuclear Services

Dan Stenger
Attorney
Hogan Lovells US LLP

Licensing

John Volkoff
Manager, Combined License Applications
NuScale Power

Susan Baughn
Supervisor, Licensing
NuScale Power

Beth Brewer (Presenter)
Licensing Engineer 3
NuScale Power

Andrea Mota
Licensing Engineer 2
NuScale Power

Peter Shaw
Licensing Engineer 4
NuScale Power

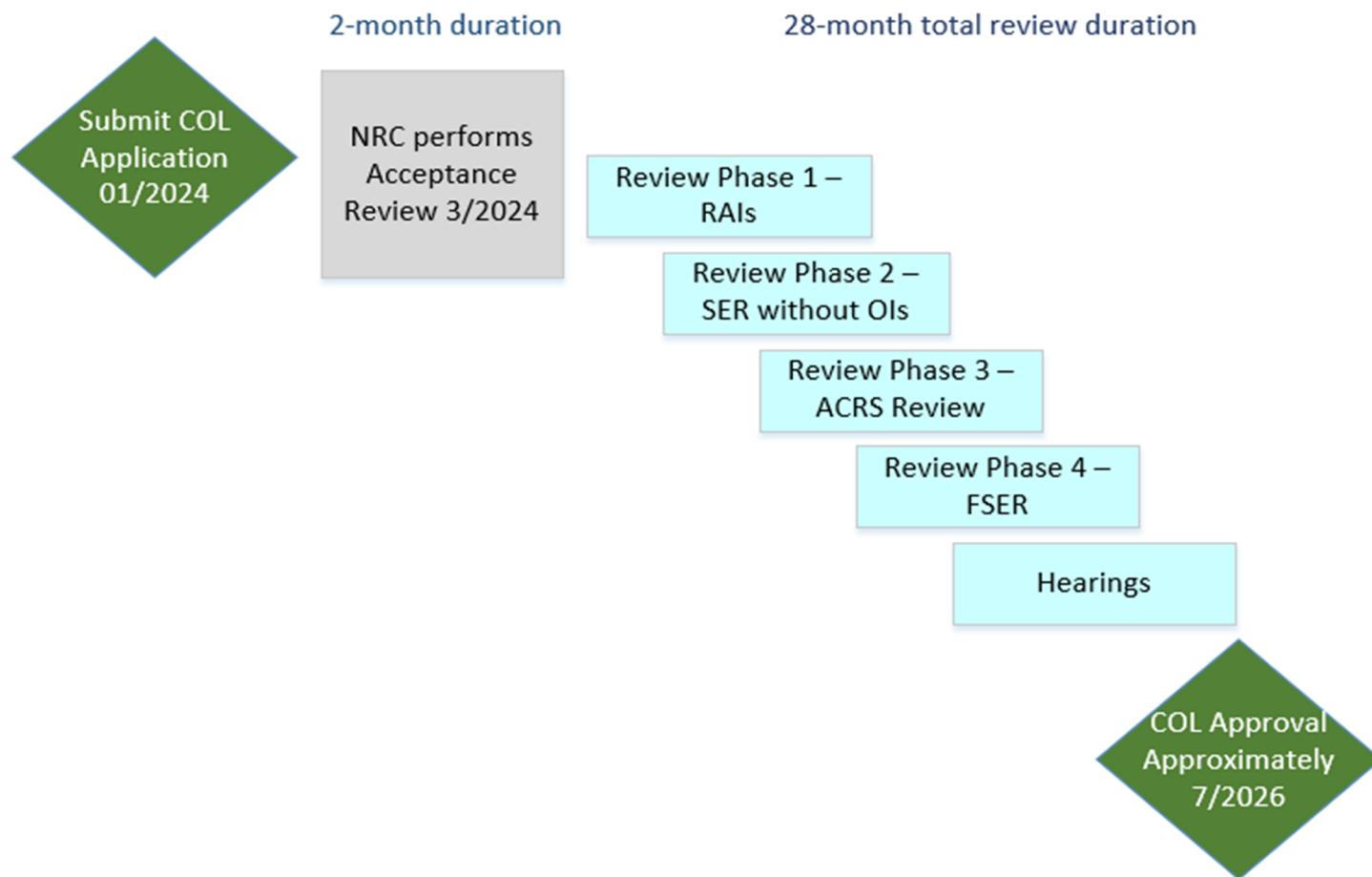
Matthew Featherston
Nuclear Licensing Lead
Fluor

Eric Woods
COLA Project Manager
Fluor

Purpose

- **To introduce an engagement strategy to optimize COLA review once NRC receives submittal**
- **To present topics for ongoing and future pre-application engagements**

Four-Phase Review Strategy



CFPP COLA Engagement Strategy

- **Considered lessons learned from the SDA when developing engagement strategy**
 - No longer planning to provide COLA Content Notices and white papers
 - Determined it was a more effective use of time and resources to focus on pre-application engagements and preparation for the readiness assessment
- **Engagement Strategy is two-fold**
 - Continue pre-application engagements on the more complex topics
 - Phased readiness assessment to demonstrate preparedness prior to COLA submittal

Four-Phase Review Process

- **Frequent pre-application engagements and the readiness assessment will enable a four-phase COLA review**
 - This early engagement will help accomplish a 30-month COLA review (including the 2-month acceptance review)

Planned Pre-application Engagements

- Cyber Security
- Decommissioning Funding
- Emergency Planning
- Environmental Report (including early construction)
- License Structure
- Operator Licensing
- Physical Security/Security Plan
- QAPD
- VHA

Phased Readiness Assessment

- **Four discipline specific meetings will cover Chapters/Sections from the FSAR (Part 2)**
 - Meeting 1 – Mechanical
 - Meeting 2 – Electrical/I&C/Radiological
 - Meeting 3 – Programs
 - Meeting 4 – Civil
- **Chapter 1 is administrative and will not be included in the readiness assessment**
- **Relevant material will be provided in the electronic reading room after discipline specific meetings and expectations for review timeline will be communicated to the staff**
- **Readiness assessment for other parts of the COLA will be on a selective basis**

Phased Readiness Assessment

Meeting 1 Mechanical	Meeting 2 Electrical/I&C/ Radiological	Meeting 3 Programs	Meeting 4 Civil
Sections 3.1, 3.6, 3.9, 3.12, 3.13, 9.2, 9.3 & 9.4 Chapters 5, 6, 10, 15	Sections 9.1, 9.5 Chapters 4, 7, 8, 11 & 12	Sections 3.2, 3.10 & 3.11 Chapters 13, 14, 16, 17, 18 & 19	Sections 3.3, 3.4, 3.5, 3.7 & 3.8 Chapter 2

Note: Sections that completely incorporate the SDA by reference will be presented in a list form prior to the discipline specific meetings.

Questions?

Acronyms

CFPP	Carbon Free Power Project
COLA	Combined License Application
FSAR	Final Safety Analysis Report
NRC	The U.S. Nuclear Regulatory Commission
LWA	Limited Work Authorization
QAPD	Quality Assurance Program Description
SDA	Standard Design Approval