



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 30, 2022

MEMORANDUM TO: Andrea D. Veil, Director
Office of Nuclear Reactor Regulation

FROM: NuScale Lessons Learned Team /RA/
Office of Nuclear Reactor Regulation

SUBJECT: LESSONS LEARNED REPORT FOR THE REVIEW OF
NUSCALE POWER, LLC, DESIGN CERTIFICATION
APPLICATION

The purpose of this memorandum is to provide you with the lessons learned report for the U.S. Nuclear Regulatory Commission (NRC) staff's review of NuScale Power, LLC (NuScale) design certification application (DCA)¹.

In November 2020, the Office of Nuclear Reactor Regulation (NRR) management established the NuScale Lessons Learned Team (LL Team) to identify best review practices that the applicant and the NRC staff employed during the review of NuScale DCA, identify areas for improvement, and to recommend actions to enhance NRC's future new reactor licensing reviews. The following NRR subject matter experts and project managers led the LL Team's efforts: Thomas Scarbrough, Luis Betancourt, Yuken Wong, Ryan Nolan, Getachew Tesfaye, Bruce Bavol, Shanlai Lu, and Omid Tabatabai (Team Leader).

The LL Team conducted its assessment of the NRC staff's review of NuScale DCA in accordance with the NRC's Principles of Good Regulations: Independence, Clarity, Openness, Reliability, and Efficiency. The LL Team concluded that while the staff successfully completed its review within the established 42-month schedule, there are opportunities for the NRC staff, as well as applicants, to improve the efficiency, clarity, and reliability of the NRC's licensing reviews.

The LL Team's report also responds to the recommendations contained in two separate lessons learned reports submitted to the NRC in February 2021, and June 2021 by NuScale and the Nuclear Energy Institute, respectively.

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¹ "NuScale Power, LLC Submittal of the NuScale Standard Plant Design Certification Application," dated December 31, 2016, ADAMS Accession No. ML17013A229

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***via email**

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