

28 August 2023

2023-XE-NRC-029

Project No. 99902071

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Submittal of X Energy, LLC Xe-100 Emergency Planning Approach and Regulatory Analysis Licensing White Paper

The purpose of this letter is to submit the subject white paper to the U.S. Nuclear Regulatory Commission (NRC) on behalf of X Energy, LLC (X-energy). This submission describes the approach X-energy has taken in developing emergency preparedness for the Xe-100 reactor technology and provides a pathway to address the emergency planning information necessary to obtain a Construction Permit and an Operating License. It is provided for NRC review and comments as indicated in the white paper and is expected to be referenced by prospective applicants in future Xe-100 licensing applications. X-energy has determined this report is available for unrestricted release.

This letter contains no commitments. If you have any questions or require additional information, please contact Brandon Hartle at bhartle@x-energy.com.



Travis Chapman
Director, Reactor Licensing & Regulatory Affairs
X Energy, LLC

Enclosure:

1) "Xe-100 Licensing White Paper Emergency Planning Approach and Regulatory Analysis"

cc:

X Energy, LLC
David Bannister
Steve Miller

U.S. Nuclear Regulatory Commission
Michael Wentzel
Adrian Muñiz
Zackary Stone
Jorge Hernández Muñoz