



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

July 23, 2022

MEMORANDUM TO: William Kennedy, Acting Chief
Advanced Reactor Licensing Branch 1
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

FROM: Lucieann Vechiolil Feliciano, Project Manager *Lucieann Vechiolil Feliciano* Signed by Vechiolil, L
Advanced Reactor Licensing Branch 1 on 07/23/22
Division of Advanced Reactors and Non-Power
Production and Utilization Facilities
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE MARCH 29, 2022, CLOSED MEETING
BETWEEN X ENERGY, LLC AND THE U.S. NUCLEAR
REGULATORY COMMISSION REGARDING X ENERGY, LLC'S
XE-100 OPERATOR TRAINING/COLD LICENSING APPROACH

On March 29, 2022, the U.S. Nuclear Regulatory Commission (NRC) staff held a closed meeting with representatives from X Energy, LLC (X-energy) regarding its Cold Licensing Approach for the Xe-100 reactor design. The public meeting notice and agenda are available in the Agencywide Documents and Management System (ADAMS) under Accession No. ML22082A137. X-energy's presentation slides are publicly available and are available in ADAMS (ML22130A249). The Enclosure provides the list of meeting attendees.

The purpose of the meeting was for the NRC staff and X-energy representatives to discuss X-energy's approach for the Xe-100 operator training and cold licensing approach. After opening remarks by the NRC staff and X-energy representatives, X-energy began the topic discussion by providing a brief Xe-100 reactor design technology overview. The Xe-100 reactor standard design comprised of four reactor units that are controlled from a single control room with three operators. X-energy addressed the Control Room Staffing approach in a separate topical report that was submitted to the NRC on January 4, 2022 (ML22004A333).

In accordance with Management Directive 3.5, "Attendance at NRC Staff-Sponsored Meetings" (ML21180A271), the meeting was closed because the discussion involved proprietary details related to the X-energy licensing strategy.

Docket No.: 99902071

Enclosure:
List of Attendees

CONTACT: Lucieann Vechiolil, NRR/DANU/UAL1
301-415-6035

SUBJECT: SUMMARY OF THE MARCH 29, 2022, CLOSED MEETING BETWEEN X ENERGY, LLC AND THE U.S. NUCLEAR REGULATORY COMMISSION REGARDING X ENERGY, LLC'S XE-100 OPERATOR TRAINING/COLD LICENSING APPROACH DATED: JULY 23, 2022

DISTRIBUTION:

- PUBLIC
- BGreen, NRR
- LNist, NRR
- WKennedy, NRR
- LVechioli Feliciano, NRR
- IJung, NRR
- MOrenak, NRR
- MHayes, NRR
- EGuthrie, R-II
- BTindell, NRR
- MScheetz, NRR
- TBuchanan, NRR

ADAMS Accession No.: ML22186A190

NRR-106

OFFICE	NRR/DANU/UAL1:PM	NRR/DANU/UAL1:LA	NRR/DANU/UAL1:BC(A)
NAME	LVechioli	CSmith	WKennedy
DATE	07/5/2022	07/22/2022	07/23/2022

OFFICIAL RECORD COPY

LIST OF ATTENDEES

CLOSED MEETING BETWEEN X ENERGY, LLC AND THE U.S. NUCLEAR REGULATORY
COMMISSION REGARDING X ENERGY, LLC'S XE-100 OPERATOR TRAINING/COLD
LICENSING APPROACH

March 29, 2022

Name	Organization
Lucieann Vechioli-Feliciano	U.S. Nuclear Regulatory Commission (NRC)
Brian Green	NRC
Lauren Nist	NRC
Michael Orenak	NRC
William Kennedy	NRC
Ian Jung	NRC
Michelle Hayes	NRC
Eugene Guthrie	NRC
Brian Tindell	NRC
Maurin Scheetz	NRC
Theresa Buchanan	NRC
Ingrid Nordby	X Energy, LLC
Travis Chapman	X Energy, LLC
Gregg Crannick	X Energy, LLC
Ian Davis	X Energy, LLC
Brandon Hartle	X Energy, LLC
Maggie Staiger	X Energy, LLC
Paul Hippely	X Energy, LLC
Tom Braudt	X Energy, LLC
Yvotte Brits	X Energy, LLC
Eddie Grant	X Energy, LLC
Dan Williamson	X Energy, LLC
Chip Moon	X Energy, LLC

Enclosure