



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

11/07/2024

MEMORANDUM TO: John Segala, Chief  
Advanced Reactor Licensing Branch 2  
Division of Advanced Reactors and Non-power  
Production and Utilization Facilities  
Office of Nuclear Reactor Regulation

FROM: Ondra Dukes, Project Manager **/RA/**  
Advanced Reactor Licensing Branch 2  
Division of Advanced Reactors and Non-power  
Production and Utilization Facilities  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE AUGUST 22, 2024, CLOSED MEETING  
WITH X ENERGY, LLC., TO DISCUSS CIVIL STRUCTURE  
DESIGN CRITERIA PERTAINING TO PROJECT LONG MOTT

**Meeting Information:**

Applicant: X Energy, LLC. (X-energy) and Dow Chemical (Dow)

Project No.: 99902117

Public Meeting Notice Agencywide Documents Access and Management System (ADAMS)  
Accession No.: ML24206A260

Meeting Slides Accession No.: ML24221A408 (Proprietary)

Meeting Attendees: See the enclosure for a list of meeting attendees.

CONTACT: Ondra Dukes, NRR/DANU  
301-415-0537

**Meeting Summary:**

The U.S. Nuclear Regulatory Commission (NRC) staff conducted the meeting in accordance with NRC Management Directive 3.5, "Attendance at NRC Staff-Sponsored Meetings" (ADAMS Accession No. [ML21180A271](#)). The purpose of the meeting was for X-energy and Dow to discuss their civil structure system-specific design criteria and related performance requirements in response to internal and external hazards associated with Project Long Mott, as they relate to the Xe-100 design changes in support of the planned construction permit application. Enclosure 2 to this memorandum contains proprietary notes documenting discussions between the NRC and X-energy staff during the meeting.

No regulatory decisions were made during this meeting.

Project No.: 99902117

Enclosure: List of Meeting Attendees (Enclosure 1)  
Proprietary Notes (Enclosure 2)

cc: without Enclosure 2: X-energy Xe-100 via GovDelivery

J. Segala

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SUBJECT: SUMMARY OF THE AUGUST 22, 2024, CLOSED MEETING WITH X ENERGY, LLC., TO DISCUSS CIVIL STRUCTURE DESIGN CRITERIA PERTAINING TO PROJECT LONG MOTT DATED: NOVEMBER 7, 2024

**DISTRIBUTION:**

PUBLIC (without Enclosure 2)

ODukes, NRR

AMuñiz, NRR

JSegala, NRR

GOberson, NRR

IJung, NRR

JPires, NRR

CSong, NRR

MAudrain, NRR

VVoltagio, NRR

WReckley, NRR

RidsNrrDanuUal1 Resource

RidsNrrDanuUal2 Resource

RidsNrrDanu Resource

**ADAMS Accession Number: ML24323A149**

<b>OFFICE</b>	NRR/DANU/UAL2/PM	NRR/DANU/UAL2/PM	NRR/DANU/UAL2/BC	NRR/DANU/UAL2/PM
<b>NAME</b>	ODukes	AMuñiz	JSegala	ODukes
<b>DATE</b>	10/09/2024	10/23/2024	11/07/2024	11/07/2024

**OFFICIAL RECORD COPY**

**LIST OF MEETING ATTENDEES  
FOR THE AUGUST 22, 2024, CLOSED MEETING  
WITH X ENERGY, LLC., TO DISCUSS CIVIL STRUCTURE DESIGN CRITERIA PERTAINING  
TO PROJECT LONG MOTT**

<b>Name</b>	<b>Organization</b>
Ondra Dukes	U.S. Nuclear Regulatory Commission (NRC)
Adrian Muniz	NRC
Denise McGovern	NRC
Anthony Konecni	NRC
Jose Pires	NRC
Ian Jung	NRC
James Gaslevic	NRC
Anders Gilbertson	NRC
Clair Song	NRC
Greg Oberson	NRC
William Reckley	NRC
Meg Audrain	NRC
Vince Voltaggio	NRC
Anthony Ponko	NRC
John A. Stamatakos	CNWRA (NRC Contractor)
Nilesh Chokshi	CNWRA (NRC Contractor)
James Roll	X Energy, LLC. (X-energy)
Jessica Maddocks	X-energy
Jared Wicker	X-energy
Brett Banks	X-energy
Martin van Staden	X-energy
Harlan Bowers	X-energy
Steve Vaughn	X-energy
Jim Fogarty	X-energy
Kai Zhang	X-energy
Michael Dudek	X-energy
Mark Anderson	X-energy
Wesley Steh	X-energy
David Bannister	X-energy
Moen, Stephan C.	Energy Northwest
Williams, Lisa L.	Energy Northwest
David Yarwood	U.S. Department of Energy (DOE)
Tim Beville	DOE
Timothy Stuhldreher	DOE
William Maher	FPL
Fred F. Grant	Simpson Gumpertz & Heger, Inc. (SGH)

Riccardo Cappa	SGH
Siavash Dorvash	SGH
John B. McLean	SGH
Blake Cole	NextEra Energy, Inc.