



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

September 11, 2025

MEMORANDUM TO: Mahmoud Jardaneh, Chief
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

FROM: Prosanta Chowdhury, Senior Project Manager */RA/*
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF
THE JULY 31, 2025, PUBLIC MEETING ON APPALACHIAN
POWER COMPANY JOSHUA FALLS EARLY SITE PERMIT
PRE-APPLICATION (EPID: L-2024-LRM-0143)

The U.S. Nuclear Regulatory Commission (NRC) held an "Observation" public meeting on July 11, 2025, with Appalachian Power Company (APCo) - a subsidiary of American Electric Power (AEP) – on its Joshua Falls Early Site Permit (ESP) Pre-Application. APCo's presentation slides are found at NRC's Agencywide Documents Access and Management System Accession No. ML25204A215 (July 23, 2025).

During the meeting, APCo provided a status of their anticipated ESP application (ESPA) development. Specifically, the APCo presentation covered the following topics:

- Project background and basis, under which APCo discussed: American Electric Power (AEP)/APCo overview; Joshua Falls small modular reactor project site; Project team overview; ESPA regulatory engagement timeline; Guidance utilized for site safety analysis report, environmental report, and emergency planning; and Quality Assurance Program Description,
- ESPA development status, under which APCo discussed: APCo siting study and results; meteorological tower; monitoring wells; and geotechnical borings, and
- Stakeholder engagement, under which APCo discussed community outreach and stakeholder engagement.

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In response to an NRC staff question, APCo stated that the onsite meteorological tower would be completed by September of 2025 when the first-year data collection will begin; and that the second-year data collection is expected to be completed in September of 2027. APCo suggested that NRC staff visit the Jashua Falls site before October of 2025 to observe the geotechnical core borings and review samples that are already available onsite. APCo and NRC staff also discussed site visits by the NRC's emergency preparedness and environmental review staff. APCo requested to have the next public meeting in March of 2026, 12 months prior to the ESPA submittal, when they would provide results of subsurface exploration and characterization, as well as seismic hazard characteristics. Additionally, APCo proposed to start the Readiness Assessment (per NRC Office Instruction LIC-116, "Preapplication Readiness Assessment;" ML20104B698) in the Fall of 2026, approximately 6 months prior to the ESPA submittal.

There were no public comments. No regulatory decisions were discussed or made at this meeting.

The meeting was adjourned at 2:40 p.m. U.S. Eastern Time.

The public meeting notice posted on the NRC public website can be found under ML25204A233. Enclosure to this summary provides a list of the attendees of the meeting.

Project No. 99902129

Enclosure:
List of Attendees

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF THE JULY 31, 2025, PUBLIC MEETING ON APPALACHIAN POWER COMPANY JOSHUA FALLS EARLY SITE PERMIT PRE-APPLICATION (EPID: L-2024-LRM-0143)
DATED: SEPTEMBER 11, 2025

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Appalachian Power Company (APCo), GovDelivery	

ADAMS Accession Nos.:**Pkg: ML24353A261****Memo: ML25240B537****APCo Slides: ML25204A215****Meeting Notice: ML25204A233*****via email****NRR-106**

OFFICE	NRR/DNRL/NRLB: PM	NRR/DNRL/NLIB: LA	NRR/DNRL/NRLB: PM
NAME	PChowdhury	SGreen*	RMaynard*
DATE	08/25/2025	08/28/2025	09/10/2025
OFFICE	NRR/DNRL/NRLB: BC	NRR/DNRL/NRLB: PM	
NAME	MJardaneh*	PChowdhury	
DATE	09/10/2025	09/11/2025	

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U.S. NUCLEAR REGULATORY COMMISSION
SUMMARY OF THE JULY 31, 2025, PUBLIC MEETING ON APPALACHIAN POWER
COMPANY JOSHUA FALLS EARLY SITE PERMIT PRE-APPLICATION

LIST OF ATTENDEES

July 31, 2025

Name	Organization
Prosanta Chowdhury	U.S. Nuclear Regulatory Commission (NRC)
Alina Schiller	NRC
Michele Sampson	NRC
Ravi Penmetsa	NRC
Mahmoud Jardaneh	NRC
Alina Schiller	NRC
Nebiyu Tiruneh	NRC
Mary Richmond	NRC
Kenneth Mott	NRC
Jenise Thompson	NRC
Sarah Tabatabai	NRC
Frankie Vega	NRC
Edward Robinson	NRC
Jared Nadel	NRC
Kevin Quinlan	NRC
Maureen Conley	NRC
Jamole Skeeter	NRC
Tim Siefer	Appalachian Power Company (APCo)
Mike Gallagher	APCo
Kimberly Hilty	APCo
Kaycee Graal	APCo
Virginia Limmiatis	APCo
Munsell Randall	APCo
Sam Roberts	APCo
Stephen Siefert	APCo
Grant Stuller	APCo
Joe Yeagler	APCo
Derek Young	APCo
Addison Hall	Public

Enclosure

Name	Organization
Peter Carusona	Public
Alex Chereskin	Public
Elliott Gayle	Public
Marcus Hoffman	Public
Joseph Stoney	Public
Mario Bonet	Public
Jeff Fleck	Public
Rachel Turney	Public
Lisa Matis	Public
Debbie Meyers	Public
Bill Elzinga	Public
Harley Hutchins	Public
Ryan Henderson	Public
Walter Williams	Public
Jenny Weil	Public
Jesse Flythe	Public
Valentina Montaldo	Public
Jordan Burns	Public
Sam Musatow	Public
Hunter Young	Public
Noelle Coates	Public
Rob Mann	Public
Scott Blake	Public
George Porter	Public
Kevin Burlingham	Public
Allison Rohrs	Public
Stephanie Kane	Public
Brandt Modlin	Public
Neil Herman	Public
Michael Rinebold	Public
PJ Seel	Public
Julie Rautio	Public
Clarence Tolliver	Public
Joe Mize	Public