Nuclear Energy Programs at the Department of War

A Simplified Overview of Current Initiatives as of June 2026

UCAN Power
United Coalition for Advanced Nuclear Power

U.S. DEPARTMENT OF THE ARMY

Janus Program (Emphasis on 1–20 MWe)

The Army announced the Janus Program in October 2025 as a long-term installation energy initiative to deploy resilient nuclear power and establish a repeatable pathway for future deployment. EO 14299 directed DOW to establish a nuclear energy program of record to support installation resilience.

Status—Nine Army installations identified: Fort Benning, GA; Fort Bragg, NC; Fort Campbell, KY; Fort Drum, NY; Fort Hood, TX; Fort Wainwright, AK; Holston Army Ammunition Plant, TN; Joint Base Lewis-McChord, WA; Redstone Arsenal, AL

U.S. DEPARTMENT OF THE AIR FORCE

Advanced Nuclear Power for Installations (ANPI)

The Air Force is exploring advanced nuclear energy to improve installation resilience and reduce dependence on vulnerable energy infrastructure. The effort is designed to evaluate commercial microreactor deployment at military bases.

Status—Three USAF bases identified in April 2026 for reactor developer partnership: Malmstrom AFB, MT (Westinghouse eVinci); Buckley AFS, CO (Radiant); Joint Base San Antonio, TX (Antares)

Eielson Air Force Base Microreactor Pilot Program

Eielson AFB is advancing a microreactor pilot to provide reliable electricity and heat at a critical Arctic installation through a long-term power purchase model. Currently down selected Oklo for its microreactor concept.

U.S. DEPARTMENT OF THE NAVY

Innovative Energy Resilience Solutions

The Navy released an Other Transactional Agreement (OTA) solicitation in August 2025 for resilient power—including nuclear reactors of all sizes—that can be financed and constructed on military bases by private sector developers.

Status—Four installations in final stage of land agreement: MCB Quantico, VA; NWS Yorktown, VA; NAS Paxtutent River, MD; NSA Crane; IN

U.S. SPACE FORCE

Advanced Nuclear Power for Installations (ANPI)

The Space Force is evaluating advanced nuclear energy through ANPI to support resilient power at mission-critical installations, including Buckley Space Force Base.

U.S. MARINE CORPS

Expeditionary Energy Resilience

Marine Corps bases are included in the Navy solicitation. The USMC is evaluating advanced energy technologies to support operations in contested logistical environments and improve expeditionary resilience in forward-deployed settings.

U.S. COAST GUARD

Maritime & Arctic Energy Resilience

The Coast Guard is evaluating resilient energy concepts to support remote facilities, Arctic operations, and future maritime missions.

OTHER / CROSS-CUTTING INITIATIVES

Project Pele

Project Pele—the U.S. Department of War's transportable microreactor prototype—is currently in the advanced stages of fabrication and testing. The system aims to generate 1–5 MWe of reliable, continuous power for remote military installations. Current program milestones include:

-Core Fabrication: Manufacturing of the reactor modules—including graphite cladding and thermal shielding—is actively underway at BWX Technologies' (BWXT) Innovation Campus in Lynchburg, VA.

-Fuel Delivery: BWXT completed the fabrication and shipment of 40,000 advanced TRISO fuel compacts. These were delivered to the Transient Reactor Test Facility at the Idaho National Laboratory (INL).

-Testing Phase: The prototype is scheduled to be fully assembled in four standard 20-foot shipping containers and transferred to INL, where formal system testing and grid integration are slated to begin as early as 2027.

-Final Operation: The reactor is scheduled to be fully operational and demonstrate long-duration, grid-independent operation by 2028 DOW.

Defense Innovation Unit (DIU)

DIU is advancing partnerships with industry to evaluate advanced nuclear technologies for military energy resilience and installation power needs. DIU has set aside more than $2 billion over the next five years to develop and build, and help commercial contractors develop mass-producible nuclear reactors that can be sold on the open market.

DOW–DOE Reactor Pilot Program Collaboration

DOW and DOE are collaborating to advance military-relevant reactor demonstrations under DOE's Reactor Pilot Program, including projects relevant to national security missions.

Interagency Coordination

DOW and DOE continue coordinating to accelerate the evaluation and deployment of advanced nuclear technologies.