

“NNSA is committed to transparent, predictable, repeatable, and effective infrastructure management practices providing lasting benefits for the Nuclear Security Enterprise”

A Vast and Complex Enterprise



- Over 50,000 federal and contractor employees
- \$116 billion replacement plant value
- 51% of the infrastructure is in poor condition.
- 40% of facilities date back to the early Cold War era
- 37 million square feet of facility space – equivalent to six Pentagons
- 2,100 square miles of land area – about the size of Delaware
- Consumes enough energy to power 238,000 homes for a year

Warhead Production and Strategic Components

NNSA is recapitalizing its manufacturing capabilities to ensure a reliable supply of strategic components to meet stockpile requirements. Work is underway in New Mexico, Missouri, South Carolina, Tennessee, and Texas to modernize production and processing capabilities related to non-nuclear components, high explosives, tritium, lithium, uranium, and plutonium. In an approach endorsed by the Nuclear Weapons Council, plutonium pit production will be carried out at two NNSA sites, Los Alamos National Laboratory and the Savannah River Site, to deliver no less than 80 pits per year during 2030 to the Department of Defense.



Plans are underway to repurpose the MOX project at the Savannah River Site



Plutonium Facility 4 at Los Alamos National Laboratory in New Mexico is being upgraded

Scientific Capabilities



Sierra supercomputer at Lawrence Livermore National Laboratory in California

All of NNSA’s enduring national security missions are supported by state-of-the-art scientific capabilities. As these capabilities become crucial to a National Defense Strategy focused on great power competition, NNSA continues to stay ahead of the technology curve. A future gap in high performance computing is being addressed through a joint effort with the DOE’s Office of Science project to provide an exascale computing platform to the enterprise by fiscal year 2023. NNSA is also moving forward with a project to enhance the experimental capabilities at the Nevada National Security Site.

Across the Enterprise

- Demolition of the old Bannister Federal Complex in Kansas City was completed in FY 2020. This 3 million gross square foot building complex was transferred to a private entity in 2018 and is being prepared for industrial reuse.
- The New DARHT Weather Enclosure at Los Alamos National Laboratory completed in June 2020 provides protection for experimental vessels and other confinement systems to ensure they perform as designed to contain the high explosive blast pressure, debris, gases and collection of valuable radiographic data.
- Lawrence Livermore National Laboratory completed construction of the New Polymers and Engineering Facility in July 2020, which is vital to the certification, design, and testing of nuclear weapons under the Stewardship Stockpile Program.



The New DARHT Accelerated Weather Enclosure completed in June 2020