

**National Nuclear Security Administration
Overview**

(Dollars in Thousands)

	FY 2021 Enacted ^a	FY 2022 Annualized CR ^a	FY 2023 Request	FY 2023 Request vs FY 2021 Enacted (\$)	FY 2023 Request vs FY 2021 Enacted (%)
National Nuclear Security Administration					
Federal Salaries and Expenses	443,200	443,200	496,400	+53,200	+12.0%
Weapons Activities	15,345,000	15,345,000	16,486,298	+1,141,298	+7.4%
Defense Nuclear Nonproliferation	2,260,000	2,260,000	2,346,257	+86,257	+3.8%
Naval Reactors	1,684,000	1,684,000	2,081,445	+397,445	+23.6%
Total, National Nuclear Security Administration	19,732,200	19,732,200	21,410,400	+1,678,200	+8.5%

The National Nuclear Security Administration (NNSA) FY 2023 Request is \$21,410,000,000, an increase of \$1,678,200,000 (8.5 percent) above the FY 2021 Enacted Level to support the security and safety of our nation. NNSA's FY 2023 Budget Request pursues five major national security endeavors: (1) maintain a safe, secure, and effective nuclear weapons stockpile; (2) reduce global nuclear threats and keep nuclear and radiological materials out of the hands of terrorists; (3) strengthen key science, technology and engineering capabilities in support of certification, assessment, and current and future life extension programs; (4) provide safe and militarily-effective integrated nuclear propulsion systems for the U.S. Navy; and (5) modernize the Nuclear Security infrastructure. Key to all of these efforts is to upgrade where necessary and maintain infrastructure and provide the necessary federal oversight for growing mission requirements. NNSA has pursued a disciplined process to meet nuclear security and nonproliferation policy goals and requirements, support the Navy, and support a highly skilled federal workforce. The FY 2023 Budget request for NNSA is fully informed by and supports the 2022 Nuclear Posture Review (NPR). It includes full support for modernizing all three legs of the nuclear triad and utilizing all aspects of the nation's deterrence capability. This includes enduring support for arms control, risk reduction measures, and nuclear safeguards as well as counterterrorism and counterproliferation measures. The FY 2023 Budget Request will provide the resources necessary to maintain and certify the effectiveness of the nation's nuclear deterrent, supporting NNSA's cutting-edge science and technology program.

**National Nuclear Security Administration
Outyear Funding**

(Dollars in Thousands)

	FY 2024 Request	FY 2025 Request	FY 2026 Request	FY 2027 Request
National Nuclear Security Administration				
Federal Salaries and Expenses	514,145	537,908	557,585	566,778
Weapons Activities	17,816,316	17,897,085	17,586,296	17,633,380
Defense Nuclear Nonproliferation	2,495,489	2,559,407	2,567,578	2,562,557
Naval Reactors	1,903,050	1,867,600	1,913,541	1,898,285
Total, National Nuclear Security Administration	22,729,000	22,862,000	22,625,000	22,661,000

NNSA Future-Years Nuclear Security Program

NNSA's Future Years Nuclear Security Program (FYNSP) topline for FY 2024 – FY 2027 is \$90.9 billion. This Request supports the modernization efforts and the scientific tools necessary to execute the 2022 Nuclear Posture Review. The Request continues to modernize America's nuclear stockpile and infrastructure, and the underlying science that supports strategic decisions and certification of the stockpile, as detailed in the annual *Stockpile Stewardship and Management Plan (SSMP)*. The Request supports the U.S. Navy's nuclear fleet through safe and effective integrated nuclear propulsion systems. The

^a Funding does not reflect the mandated transfer of \$91.0 million in FY 2021 and FY 2022 to the Office of Nuclear Energy for operations of the Advanced Test Reactor.

Request also supports the nonproliferation goals outlined in NNSA's *Prevent, Counter, and Respond—A Strategic Plan to Reduce Global Nuclear Threats (NPCR)*.

Public Law Authorizations

- P.L. 106-65, National Nuclear Security Administration Act, as amended
- P.L. 117-81, National Defense Authorization Act for Fiscal Year 2022
- P.L. 117-103, Consolidated Appropriations Act, 2022

Appropriation Summary by Program Funding

(Dollars in Thousands)

	FY 2021 Enacted (Comparable) ^a	FY 2022 Annualized CR (Comparable) ^a	FY 2023 Request	FY 2023 Request vs FY 2021 Enacted (\$)	FY 2023 Request vs FY 2021 Enacted (%)
NNSA Summary by Appropriation / GPRA Unit					
Federal Salaries and Expenses Appropriation					
Program Direction	443,200	443,200	513,200	+70,000	+15.8%
Use of Prior Year Balances	0	0	(16,800)	-16,800	0%
Total, Federal Salaries and Expenses	443,200	443,200	496,400	+53,200	+12.0%
Weapons Activities Appropriation^b					
Stockpile Management	4,290,244	4,290,244	4,929,073	+638,829	+14.9%
Production Modernization	3,903,533	3,903,533	4,640,594	+737,061	+18.9%
Stockpile Research, Technology, and Engineering	3,003,489	3,003,489	2,894,658	-108,831	-3.6%
Infrastructure and Operations	2,542,071	2,542,071	2,630,963	+88,892	+3.5%
Secure Transportation Asset	348,684	348,684	344,437	-4,247	-1.2%
Defense Nuclear Security	789,078	789,078	882,291	+93,213	+11.8%
Information Technology and Cybersecurity	366,233	366,233	445,654	+79,421	+21.7%
Legacy Contractor Pensions and Settlement Payments	101,668	101,668	114,632	+12,964	+12.8%
Subtotal, Weapons Activities	15,345,000	15,345,000	16,882,302	+1,537,302	+10.0%
Use of Prior Year Balances	0	0	(396,004)	-396,004	0%
Total, Weapons Activities	15,345,000	15,345,000	16,486,298	+1,141,298	+7.4%
Defense Nuclear Nonproliferation Appropriation^c					
Defense Nuclear Nonproliferation Programs					
Material Management and Minimization	400,711	400,711	450,885	+50,174	+12.5%
Global Material Security	528,939	528,939	504,077	-24,862	-4.7%
Nonproliferation and Arms Control	148,000	148,000	207,656	+59,656	+40.3%
Defense Nuclear Nonproliferation R&D	641,900	641,900	720,245	+78,345	+12.2%
NNSA Bioassurance Program	0	0	20,000	+20,000	0%
Nonproliferation Construction	148,589	148,589	71,764	-76,825	-51.7%
Total, Defense Nuclear Nonproliferation Programs	1,868,139	1,868,139	1,974,627	+106,488	+5.7%
Nuclear Counterterrorism and Incident Response Program	377,513	377,513	438,970	+61,457	+16.3%
Legacy Contractor Pensions and Settlement Payments	14,348	14,348	55,708	+41,360	+288.3%
Subtotal, Defense Nuclear Nonproliferation Appropriation	2,260,000	2,260,000	2,469,305	+209,305	+9.3%
Use of Prior Year Balances	0	0	(123,048)	-123,048	0%
Total, Defense Nuclear Nonproliferation Appropriation	2,260,000	2,260,000	2,346,257	+86,257	3.8%
Naval Reactors Appropriation					
Naval Reactors Programs	1,684,000	1,684,000	2,081,445	+397,445	23.6%
Total, Naval Reactors Appropriation	1,684,000	1,684,000	2,081,445	+397,445	23.6%
Total, National Nuclear Security Administration	19,732,200	19,732,200	21,410,400	+1,678,200	+8.5%

^a Funding does not reflect the mandated transfer of \$91.0 million in FY 2021 and FY 2022 to the Office of Nuclear Energy for operations of the Advanced Test Reactor.

^b The FY 2021 and FY 2022 amounts are presented comparable to the structure proposed for FY 2023 with Forensics R&D (formerly NTFN R&D) under DNN R&D and not as a separate line.

^c The FY 2021 and FY 2022 amounts are comparable with FY 2023 proposed structure to align programmatic construction with the portfolio each project supports, as well as the move of CBI from I&O to Production Modernization.

**Appropriation Summary by Program
Outyear Funding**

(Dollars in Thousands)

	FY 2024 Request	FY 2025 Request	FY 2026 Request	FY 2027 Request
NNSA Summary by Appropriation / GPRA Unit				
Federal Salaries and Expenses Appropriation				
Program Direction	514,145	537,908	557,585	566,778
Use of Prior Year Balances	0	0	0	0
Total, Federal Salaries and Expenses	514,145	537,908	557,585	566,778
Weapons Activities Appropriation				
Stockpile Management	4,967,175	4,943,461	4,778,573	4,914,251
Production Modernization	5,157,563	5,245,420	5,027,160	4,612,573
Stockpile Research, Technology, and Engineering	3,066,793	2,937,730	2,892,508	2,975,030
Infrastructure and Operations	2,774,970	2,842,720	2,893,904	2,972,128
Secure Transportation Asset	354,676	380,973	388,973	442,141
Defense Nuclear Security	927,563	955,314	991,527	1,049,188
Information Technology and Cybersecurity	494,124	513,889	534,445	587,200
Legacy Contractor Pensions and Settlement Payments	73,452	77,578	79,206	80,869
Subtotal, Weapons Activities	17,816,316	17,897,085	17,586,296	17,633,380
Total, Weapons Activities	17,816,316	17,897,085	17,586,296	17,633,380
Defense Nuclear Nonproliferation Appropriation				
Defense Nuclear Nonproliferation Programs				
Material Management and Minimization	425,644	453,045	427,755	422,967
Global Material Security	515,897	534,986	539,159	538,936
Nonproliferation and Arms Control	207,188	214,854	216,529	216,439
Defense Nuclear Nonproliferation R&D	712,724	739,095	744,859	744,551
NNSA Bioassurance Program	20,000	20,000	20,000	20,000
Nonproliferation Construction	137,257	102,244	120,000	120,000
Total, Defense Nuclear Nonproliferation Programs	2,018,710	2,064,224	2,068,302	2,062,893
Nuclear Counterterrorism and Incident Response Program	436,332	453,887	457,113	456,616
Legacy Contractor Pensions and Settlement Payments	40,447	41,296	42,163	43,048
Subtotal, Defense Nuclear Nonproliferation Appropriation	2,495,489	2,559,407	2,567,578	2,562,557
Total, Defense Nuclear Nonproliferation Appropriation	2,495,489	2,559,407	2,567,578	2,562,557
Naval Reactors Appropriation				
Naval Reactors Programs	1,903,050	1,867,600	1,913,541	1,898,285
Total, Naval Reactors Appropriation	1,903,050	1,867,600	1,913,541	1,898,285
Total, National Nuclear Security Administration	22,729,000	22,862,000	22,625,000	22,661,000

NNSA Overview

Overview

The FY 2023 Request for **Weapons Activities (WA)** is \$16,486,298,000, a \$1,141,298,000 (7.4 percent) increase above the FY 2021 Enacted Level. Weapons Activities funds programs primarily at eight NNSA sites managed and operated by NNSA's contractor partners. The Request is fully informed by and supports by the 2022 Nuclear Posture Review (NPR), and is aligned with Department of Defense (DoD) requirements to ensure the U.S. nuclear deterrent continues to be safe, secure, and effective. Weapons Activities provides for the maintenance and refurbishment of nuclear weapons to continue sustained confidence in their safety, reliability, and performance; continued investment in scientific, engineering, and manufacturing capabilities to enable production and certification of the enduring nuclear weapons stockpile; and manufacture of nuclear weapon components. The Request includes funding to continue nuclear deterrent modernization including five warhead modernization programs; significant investments in production capability including the two-site strategy to produce 80 pits per year as close to 2030 as possible; continues infrastructure modernization, as well as efforts in Stockpile Research, Technology, and Engineering to support the current and future stockpile. The Request includes funding to initiate a new subprogram within Stockpile Management titled Nuclear Enterprise Assurance to prevent, detect, and mitigate subversion risks to the nuclear weapons stockpile and associated design, production, and testing capabilities.

NNSA restructured the Weapons Activities budget in FY 2021 to enable better alignment of portfolios with resources. This allowed improved prioritization within portfolios that have multiple programs and interdependencies. Further refinements are proposed in FY 2023 primarily to align programmatic construction with the portfolio each project supports, as well as the move of CBI from I&O to Production Modernization. FY 2021 and FY 2022 funding is shown on a comparable basis to the proposed structure for FY 2023

The FY 2023 Request for **Defense Nuclear Nonproliferation (DNN)** is \$2,346,257,000, a \$86,257,000 (3.8 percent) increase from the FY 2021 Enacted Level. The Request includes targeted increases to strengthen key capabilities necessary to protect the nation in a world becoming more complex geopolitically and technologically. It includes funding to establish a Bioassurance Program to anticipate and detect threats and broaden DOE's role in this area.

NNSA's nuclear nonproliferation strategy is to prevent adversaries from acquiring nuclear weapons or weapons-usable materials, technologies, and expertise; counter efforts to acquire such weapons or materials; and respond to nuclear or radiological accidents and incidents domestically and abroad. NNSA's nonproliferation and counterterrorism activities extend the nation's defenses far beyond America's borders. The DNN Request provides policy and technical leadership to prevent or limit the spread of materials, technology, and expertise related to weapons of mass destruction (WMD); develops technologies to detect nuclear proliferation; secures or eliminates inventories of weapons-related materials and infrastructure; ensures technically trained teams and state-of-the-art equipment are prepared to respond to any nuclear or radiological incident worldwide; and supports emergency management.

The FY 2023 Request for **Naval Reactors (NR)** is \$2,081,445,000, a \$397,445,000 (23.6 percent) increase from the FY 2021 Enacted Level. The increased funding continues research and development efforts for future generations of nuclear-powered warships and makes progress on the recapitalization of laboratory facilities and environmental remediation of legacy responsibilities. Additionally, the Spent Fuel Handling Recapitalization Project funding profile is updated to reflect the increased resources required in FY 2023 to complete the project.

The FY 2023 Request for NNSA **Federal Salaries and Expenses (FSE)** is \$496,400,000, a \$53,200,000 (12.0 percent) increase above the FY 2021 Enacted Level for the salaries, benefits, and the other expenses of 1,958 federal full-time equivalents (FTEs), 1,934 directly paid from FSE and 24 paid through the Working Capital Fund. The increase reflects the funding required for 194 additional FTEs over the FY 2021 Enacted Level. The request also provides funding for travel, training, support service contracts, space and occupancy needs, funding for the Department of Energy's (DOE) Working Capital Fund, and other expenses. FSE funds recruiting, training, and retention of federal staff to perform program and project management and oversight of approximately \$18.8 billion in Weapons Activities (WA) and Defense Nuclear Nonproliferation (DNN) funding across the nuclear security enterprise.

Highlights and Major Changes in the FY 2023 Request

Stockpile Management - The Stockpile Management program requirements for FY 2023 maintain a safe, secure, and effective nuclear weapons stockpile. The Stockpile Management program encompasses five major subprograms that directly support the nation's nuclear weapons stockpile. Stockpile Major Modernization will continue Phase 6.6 (Full-Scale Production) activities for the B61-12 LEP (Life Extension Program) and W88 ALT (Alteration) 370, Phase 6.4 (Production Engineering) activities for the W80-4 LEP, Phase 6.3 (Development Engineering) activities for the W87-1 Modification Program, and Phase 2 (Feasibility Study and Design Options) for the W93 Program. Stockpile Sustainment will provide activities to include maintenance, surveillance, assessment, development, and program planning for each Stockpile System and Multi-Weapon Systems and continue Phase 6.3 (Development Engineering) activities for the W76-1/2 Mk4B Shape Stable Nose Tip Retrofit. Weapons Dismantlement and Disposition (WDD) will provide safe and secure dismantlement of nuclear weapons and components in accordance with the Nuclear Weapons Stockpile Plan. Production Operations will sustain manufacturing capabilities and capacities, including process improvements and investments focused on increased efficiency of production performance. FY 2023 includes a new Stockpile Management subprogram, Nuclear Enterprise Assurance (NEA), formulated to prevent, detect, and mitigate potential consequences of subversion to the stockpile and associated capabilities to design, produce, and test nuclear weapons.

Production Modernization- The Production Modernization program is responsible for modernizing the facilities, infrastructure, and equipment that produce materials and components to meet stockpile requirements and maintain the Nation's nuclear deterrent. The program encompasses five major subprograms that sustain the Nation's nuclear weapons stockpile:

1. The Primary Capability Modernization program consolidates management of primary stage material processing and component production capabilities in the National Nuclear Security Administration's (NNSA) nuclear security enterprise. The program includes (1) Plutonium Modernization and (2) High Explosives and Energetics Modernization.
2. The Secondary Capability Modernization program restores and increases manufacturing capabilities for the secondary stage to required levels in the nuclear security enterprise. This includes ensuring the availability of strategic materials and other sub-component streams necessary for the secondary stage as well as modernizing the facilities and operations required to process these materials, fabricate them into parts, and assemble the final components. The program includes (1) Uranium Modernization, (2) Depleted Uranium Modernization, and (3) Lithium Modernization.
3. The Tritium Modernization and Domestic Uranium Enrichment program consists of two parts: (1) Tritium Modernization produces, recovers, and recycles tritium to support national security requirements and (2) Domestic Uranium Enrichment (DUE) establishes a reliable supply of enriched uranium to support U.S. national security needs.
4. The Non-Nuclear Capability Modernization (NNCM) program provides management and oversight of strategic investments to modernize capabilities for design, qualification, and production of non-nuclear components for multiple weapon systems. The NNCM program provides increased capability and capacity to produce and qualify non-nuclear components to meet scheduled stockpile sustainment and weapon modernization programs, as well as development of strategies, processes and new capabilities and programmatic equipment for production of non-nuclear components.
5. The Capability Based Investments (CBI) program executes projects for equipment, tools, supporting facilities, and infrastructure directly related to enduring, multi-program weapon activity capabilities, mission deliverables, and management of programmatic risk across the nuclear security enterprise.

The Request includes a significant increase for Primary Capability Modernization to reconstitute plutonium pit production fabrication capabilities to produce no fewer than 80 plutonium pits per year (ppy) as close to 2030 as possible, and to re-establish high explosives capabilities necessary to meet current and future stockpile requirements. The Request includes smaller increases for Tritium Modernization and Domestic Uranium Enrichment, Non-Nuclear Capability Modernization, and Capability Based Investments. The Request reflects a decrease in Secondary Capability Modernization resulting from the transition of peak construction towards startup and commissioning activities for the Uranium Processing Facility.

Stockpile Research, Technology, and Engineering - Stockpile Research, Technology, and Engineering (SRT&E) provides the data and tools that underpin science-based stockpile decisions, along with the development and maturation of component and manufacturing technologies for future insertion in the stockpile, focuses on the most pressing investments the nuclear security enterprise needs to meet DoD warhead needs and schedules, and enables assessment and certification capabilities used throughout the nuclear security enterprise. The program provides the knowledge and expertise needed to maintain

confidence in the nuclear stockpile without the need for underground nuclear explosive testing. Funding requested in FY 2023 supports the continued implementation of the Enhanced Capabilities for Subcritical Experiments (ECSE) and various activities in preparation to accept and operate NNSA's first Exascale high performance computing system for program use in 2023. Both capabilities are needed to support W80-4 LEP design validation and W87-1 Modification certification requirements. In addition, the funding supports the necessary development of the design, engineering, and adaptation of physics and engineering codes needed to support stockpile decisions to operate on this new platform. Funding in this area also supports the development of new materials, technologies, and processes to evolve our nuclear systems and production complex. This is accomplished through warhead component and production technology development and maturation needed for ongoing, planned, and future warhead modernization programs. It also reinvigorates and develops the future generation of the highly trained technical and specialized workforce by experimental and computational programs along with academic institutions. The program includes Assessment Science, Engineering and Integrated Assessments, Inertial Confinement Fusion, Advanced Simulation and Computing, Weapon Technology and Manufacturing Maturation and Academic Programs.

Infrastructure and Operations (I&O) - The program maintains, operates, and modernizes NNSA's infrastructure in a safe, secure, and cost-effective manner to support program execution while seeking to maximize return on investment and reduce enterprise risk. The program also plans, prioritizes, and constructs facilities and infrastructure to support all NNSA programs, except for new complex-construction projects, which are funded by the capability sponsor. Infrastructure and Operations consists of the following programs: Operations of Facilities, Safety and Environmental Operations, Maintenance and Repair of Facilities, Recapitalization, and Line-Item Construction Projects. Operations of Facilities funds the NNSA facilities to operate in a safe and secure manner and is critical to achieving the administration's plutonium, uranium, tritium, lithium, high explosives, and other mission objectives. This program includes essential support such as water and electrical utilities, safety systems, lease agreements, and activities associated with Federal, state, and local environmental, worker safety, and health regulations. The Safety and Environmental Operations program provides for the Department's Nuclear Criticality Safety Program (NCSP), Nuclear Safety Research and Development (NSR&D), Packaging subprogram, Long Term Stewardship (LTS) subprogram and Nuclear Materials Integration (NMI) subprogram. These activities support safe, efficient operation of the nuclear security enterprise through the provision of safety data, nuclear material packaging, environmental monitoring, and nuclear material tracking. The FY 2023 Request provides funding for activities to enable plutonium pit production, meet LEP schedules at Kansas City National Security Campus (KCNSC), and address infrastructure modernization throughout the complex. Furthermore, the funding allows NNSA to execute Recapitalization projects to improve the condition and extend the design life of structures, capabilities, and systems to meet program demands; reduce future operating costs by replacing older facilities with new, more efficient facilities; and reduce safety, security, environment, and program risk.

Secure Transportation Asset (STA) - STA supports safe, secure transport of the Nation's nuclear weapons, weapon components, and special nuclear material throughout the NSE. Nuclear weapon life-extension programs, limited-life component exchanges, surveillance, dismantlement, nonproliferation activities, and experimental programs rely on STA activities to ensure safe, secure, and on schedule transport. The FY 2023 Request supports modernizing and sustaining STA transportation assets, including life extension of the Safeguards Transporter until it is replaced by the Mobile Guardian Transporter; vehicle sustainment; replacement armored tractors, escort, and support vehicles; upgrades of the Tractor Control Unit to accommodate for communications and security; and continued development and testing of the Mobile Guardian Transporter. The first Mobile Guardian Transporter production unit is planned for completion in FY 2026 and will begin a phased in approach beginning in FY 2027. Program Direction resources in this account provide salaries and expenses for the secure transportation workforce, including Federal Agents.

Defense Nuclear Security (DNS) - DNS provides protection for NNSA personnel, facilities, nuclear weapons, and materials from a full spectrum of threats, ranging from minor security threats to acts of terrorism, at its national laboratories, production plants, processing facilities, and the Nevada National Security Site (NNSS). Employing more than 1,700 Protective Force officers, DNS secures more than 5,000 buildings and protects more than 57,000 personnel. The FY 2023 request includes funding to fill positions in key security program areas required to implement a risk-based, layered protection strategy at the sites. The request also supports some increased security needs associated with known mission growth in weapons programs across the NSE, including Pit Production at Los Alamos National Laboratory (LANL), and efforts to support the Uranium Processing Facility (UPF). The FY 2023 request also reflects support for development and

implementation of the Caerus security system, Security Infrastructure Revitalization Program (SIRP) projects, the Physical Security Center of Excellence (PSCOE), and the Center for Security Technology, Analysis, Response, and Testing (CSTART), as well as funding for the WEPAR project, which will install a new Perimeter Intrusion Detection and Assessment System (PIDAS) section, thus reducing the Y-12 National Security Complex (Y-12) Protected Area by approximately 50% while integrating with the UPF.

Information Technology (IT) and Cybersecurity -The NNSA Office of the Associate Administrator for Information Management and Chief Information Officer (OCIO) is responsible for information sharing and information safeguarding that support the execution of NNSA mission activities and implementation of the President's Executive Order on Improving the Nation's Cybersecurity. The OCIO supports Information Technology (IT) and Cybersecurity services and solutions, which include continuous monitoring, cloud-based technologies, and enterprise security technologies (i.e., identity, credential, and access management) to meet security challenges. The IT and Cybersecurity Program is based on practical principles that provide superior information management support to current operations while implementing unclassified and classified cloud-based technologies and infrastructure to support the NSE. The program collaborates and coordinates with the DOE Office of the Chief Information Officer (DOE OCIO) on the development and deployment of IT and Cybersecurity solutions protecting DOE information and information assets. The FY 2023 Request enables the development and execution of integrated IT initiatives that provide an effective and secure technology infrastructure across the enterprise. These initiatives will fundamentally redesign the NNSA IT environments to provide a more modern and secure set of capabilities including unified communication, agile cloud infrastructure, and next-generation collaboration services. Additionally, the NNSA IT and Cybersecurity Program will deploy emerging technology, leading-edge operational technology, and artificial intelligence/machine learning to provide tools and capabilities to the NNSA workforce and that secure NNSA operations.

Defense Nuclear Nonproliferation

The FY 2023 Request continues DNN's efforts to reduce the danger of hostile nations or terrorist groups acquiring nuclear devices, radiological dispersal devices, weapons-usable material, nuclear and dual-use commodities and technology, or nuclear-related expertise. It includes funding to establish a Bioassurance Program to anticipate and detect threats and broaden DOE's role in this area. These programs, as part of a whole-of-government approach to nuclear threat reduction, provide policy and technical leadership to prevent or limit the spread of WMD-related materials, technology, and expertise; develop technologies to detect nuclear proliferation; secure or eliminate inventories of nuclear weapons-related materials and infrastructure; and ensure highly trained and equipped Nuclear Emergency Support Team (NEST) personnel are available to respond to nuclear and radiological incidents and accidents worldwide. As part of the DOE's emergency response posture, these programs, in conjunction with key capabilities operated and managed by the NNSA's Office for Information Management and Chief Information Officer, ensure that a worldwide interoperable, secure, and trusted emergency communications network is in place.

Material Management and Minimization (M3) - M3 programs reduce and, when possible, eliminate weapons-usable nuclear material around the world to achieve permanent threat reduction. The FY 2023 Budget Request supports the conversion or shutdown of research reactors and isotope production facilities that use highly enriched uranium (HEU), the continued support of non-HEU-based Molybdenum-99 (Mo-99) production facilities in the United States, the recovery of limited amounts of high-assay low enriched uranium, the removal and disposal of weapons-usable nuclear material, the removal of plutonium from the State of South Carolina and implementation of the dilute and dispose strategy for plutonium disposition, and costs to downblend HEU.

Global Material Security (GMS) - GMS directly contributes to national security efforts to reduce global nuclear security threats. The FY 2023 Budget Request supports program efforts to prevent terrorists and other actors from obtaining nuclear and radioactive material to use in an improvised nuclear device (IND) or a radiological dispersal device (RDD) by working domestically and with partner countries to improve the security of vulnerable materials and facilities, and to build partners' sustainable capacity to detect, disrupt, and investigate illicit trafficking of these materials. GMS works with countries in bilateral partnerships and with multilateral partners such as the International Atomic Energy Agency (IAEA), the Global Initiative to Combat Nuclear Terrorism (GICNT), and International Criminal Police Organization (INTERPOL). As part of an ongoing strategic analysis process, GMS is also exploring innovative approaches, technologies, and tools to adapt to emerging threats and the growing demand for nuclear energy and technology. GMS supports U.S. national security

priorities to reduce global nuclear security threats and sustain access to needed peaceful applications of nuclear technology that support climate change, energy security and global health priorities.

Nonproliferation and Arms Control (NPAC) - NPAC programs strengthen nonproliferation and arms control regimes through innovative policy development and implementation to prevent proliferation, ensure peaceful nuclear uses, and enable verifiable nuclear reductions. To advance this mission, NPAC builds the capacity of the IAEA and partner countries to implement international safeguards obligations, builds domestic and international capacity to implement export control obligations, supports the negotiation and implementation of agreements and associated monitoring regimes to verifiably reduce nuclear weapons and nuclear programs, and develops approaches and strategies to address emerging nonproliferation and arms control challenges and opportunities.

Defense Nuclear Nonproliferation Research and Development (DNN R&D) - DNN R&D is the key component for the innovation of United States' technical capabilities to detect nuclear detonations; foreign nuclear weapons programs' activities; and the presence, movement, or diversion of special nuclear materials. The program also sustains and develops foundational nonproliferation technical competencies that ensure the technical agility needed to support a broad spectrum of U.S. nonproliferation missions and anticipate threats. Finally, the program funds technical nuclear analysis capabilities at the National Laboratories that can support time-critical decisions in the event of a nuclear or radiological incident and assist in determining the origin of interdicted materials or nuclear devices. DNN R&D uses the unique facilities and scientific skills of DOE, academia, and industry to perform research, conduct technology demonstrations, develop prototypes, and produce and deliver sensors for integration into operational systems. The FY 2023 Budget Request supports planned activities for early detection of proliferation-related R&D and continued production of nuclear detonation detection satellite payloads. The FY 2023 Budget Request also supports continued efforts to sustain and develop foundational nonproliferation technical competencies by providing targeted, long-term support for enabling infrastructure, science and technology, and an expert workforce.

NNSA Bioassurance Program -The NNSA Bioassurance Program establishes a national security R&D program to anticipate and detect threats and broaden DOE's role in national biodefense. The NNSA Bioassurance Program complements DOE's support of other departments and agencies and U.S. biodefense strategies and plans. The Program works in close coordination with the Office of Science (DOE/SC) integrating NNSA's high-security work with DOE/SC's supported "open" science and provides the full spectrum of capabilities essential for a bioassurance program informed by national security expertise that is drawn from parallel and analogue work on nuclear threats, risks, export controls and licensing, non-proliferation, detection, and verification.

Nonproliferation Construction (supports Material Management and Minimization) - Nonproliferation Construction consolidates construction costs for DNN projects. The FY 2023 Budget Request supports the implementation of the dilute and dispose strategy with the continuation of the Surplus Plutonium Disposition (SPD) project, which will add additional glovebox capacity at the Savannah River Site to accelerate plutonium dilution and aid in the removal of plutonium from the state of South Carolina.

Nuclear Counterterrorism and Incident Response Program (NCTIR) - The NCTIR program sustains the United States' nuclear counterterrorism and counterproliferation activities, maintains critical nuclear incident and accident response and technical reachback capabilities, and supports DOE's all-hazards emergency management system. The Counterterrorism and Counterproliferation (CTCP) subprogram provides the nation's technical capability to understand and defeat nuclear devices, including improvised nuclear devices and lost or stolen foreign nuclear weapons. The FY 2023 Request for NCTIR supports programs to manage and deploy the DOE/NNSA NEST comprised of expert scientific teams and equipment poised to respond rapidly to nuclear or radiological incidents and accidents worldwide; maintain a nuclear forensics capability to attribute the source of nuclear material outside of regulatory control or used in a nuclear device; and to educate, through training and exercises, domestic and international partners to respond effectively to nuclear or radiological incidents.

Additionally, NCTIR operates the DOE/NNSA's Emergency Operations (EO) subprogram. The EO subprogram provides both the structure and processes to ensure a comprehensive and integrated approach to all-hazards emergency management, thus improving readiness and effectiveness of the DOE Emergency Management System on a programmatic and performance level regardless of the nature of the emergency impacting the DOE/NNSA enterprise or its equities anywhere in the world. This promotes unity of effort and a culture of continuous improvement to safeguard the health and safety of

National Nuclear Security Administration/

Overview

FY 2023 Congressional Budget Justification

workers and the public, protect the environment, and enhance the resilience of the Department and the Nation. The EO subprogram develops plans and procedures for prevention, protection, mitigation, response to, and recovery from, all hazards emergency accidents, incidents, and events.

Naval Reactors

The FY 2023 Request continues NR's core objective of supporting the daily safe and reliable operation of the Nation's nuclear fleet (68 submarines, 11 aircraft carriers, and 5 research, development, and training platforms). The Program's development work consists of refining and improving existing technology to ensure that the U.S. Navy's nuclear propulsion plants are increasingly efficient and effective and will be capable of meeting future threats to national security. In addition to supporting the existing nuclear fleet, NR has three major DOE initiatives—the *Columbia*-Class Reactor System Development, the Land-based S8G Prototype Refueling Overhaul, and the Spent Fuel Handling Recapitalization Project. Funding is also requested for the program direction account for NR federal employees who directly oversee and set policies and procedures for developing new reactor plants, operating existing reactor plants, facilities supporting these plants, contractors, and the Bettis and Knolls Atomic Power Laboratories. The Request includes continued reinvestment in advanced technology development, modernization of infrastructure, and remediation of environmental liabilities as well as additional funding for the Spent Fuel Handling Recapitalization Project (SFHP) and to support Navy timelines for future attack submarine development.

NNSA Federal Salaries and Expenses

The FY 2023 Request builds upon ongoing efforts to improve the effectiveness and efficiency of NNSA federal oversight and to meet current and future workforce needs. The request provides for 1,958 Federal FTEs (1,934 directly funded from FSE, 24 funded through the Working Capital Fund for overseas representation). The NNSA workforce is critical to the success of the Nation's NSE. It is essential to have sufficient people, with the right capabilities, to meet growing mission requirements and commitments including modernizing the nuclear deterrent, recapitalizing the aging infrastructure, and continuing to meet the requirements of nonproliferation and counterterrorism programs. NNSA will use a variety of innovative methods to grow and shape the professional staff including the use of recruitment events and expanded excepted service hiring authority. The NNSA will also continue to monitor the evolving need for federal oversight in support of the nuclear modernization missions and adjust future staffing plans accordingly. NNSA will use partnerships with academic alliances to grow the workforce with early identification and recruitment of top science, technology, engineering, and math talent.

Entry Level Hires: The NNSA supports a variety of programs to help train and recruit the next generation of leaders in managing the nuclear stockpile, nonproliferation, nuclear security, and international security, such as the NNSA Graduate Fellowship Program (NGFP), the Minority Serving Institutions Partnership Program (MSIPP), and the Presidential Management Fellows (PMF) program. These programs foster the pipeline of qualified professionals who will sustain expertise in these areas through future employment in the NNSA NSE.

DOE Working Capital Fund (WCF) Support

NNSA's Total FY 2023 Request includes \$76,082,000 for NNSA's projected support to the DOE WCF. Of this amount, \$36,129,000 will be paid out of FSE; \$32,903,000 out of WA; \$4,487,000 out of DNN; and \$2,563,000 out of NR. This funding covers selected shared enterprise activities including managing enterprise-wide systems and data, telecommunications, and supporting the integrated acquisition environment.

Legacy Contractor Pensions and Settlement Payments

These budget lines included in the WA and DNN accounts include funding for the Requa settlement reached in 2019 as well as a portion of an unfunded pension liability at the Savannah River Site in addition to DOE's annual reimbursement made to the University of California (UC) Retirement Plan (UCRP) for former UC employees and annuitants who worked at the Lawrence Livermore National Laboratory (LLNL) and Los Alamos National Laboratory (LANL).

The *Requa* lawsuit involved UC employees of LLNL who retired prior to the Laboratory's transition to a new contractor on October 1, 2007. The retirees had been receiving health insurance through a UC health plan but when the LLNL contract transitioned to LLNS, the employees were offered health insurance through the new LLNL contractor, leading the retirees to file a lawsuit seeking reinstatement into the UC health plan. The parties settled the lawsuit in 2019, and a final judgment was issued in April 2020. DOE/NNSA agreed, pursuant to the legacy UC-LLNL Contract, to provide UC a portion of the total

costs to settle the lawsuit, over a period of seven years through FY 2026. DOE/NNSA's responsibility for FY 2023 is \$9,000,000.

Funding is also requested for reimbursement of the unfunded liability of the Savannah River Nuclear Solutions pension plan. The FY 2023 Request includes a total of \$218,000,000 for this liability with 60 percent allocated to the Office of Environmental Management and 40 percent, or \$87,255,000, allocated to NNSA.

These budget lines also continue to include DOE/NNSA's annual reimbursement made to the UCRP for former UC employees and annuitants who worked at the LLNL and LANL. The annual reimbursement is based on the actuarial valuation report and an annual assessment provided by UC and is covered by the terms described in the contracts. The Request includes a total of \$74,085,000.

Top 15 Property Leases at NNSA

Rebuilding the NNSA NSE infrastructure requires new, Federally-owned facilities, as well as leasing arrangements, when in the Government's best interest. NNSA intends to minimize the use of leases, which typically are more expensive for the Government over the long term. The top fifteen leases for NNSA are included below with the property name, annual rent, and usable square feet as well as the funding mechanism of direct or indirect is included.

Direct Funded Leases (Dollars in Thousands)

Site	Property Name	Annual Rent	Usable Square Feet	Funding Source
Kansas City National Security Campus	National Security Campus NNSA Complex, 14500 Botts Road	\$51,274	997,587	Direct
Kansas City National Security Campus	National Security Manufacturing Center Building, 14500 Botts Road	\$13,882	260,906	Direct
Pantex Plant	John C. Drummond Center Office Building (formerly known as ASC)	\$6,188	273,600	Direct
Kansas City National Security Campus	Building 22	\$1,860 ^a	102,000	Direct
Kansas City National Security Campus	Building 23	\$1,731	275,193	Direct
Kansas City National Security Campus	Building 21	\$1,541	56,011	Direct
Nevada National Security Site – Las Vegas	Southern Nevada Science Center II	\$1,162	32,535	Direct

Indirect Funded Leases (Dollars in Thousands)

Site	Property Name	Annual Rent	Usable Square Feet	Funding Source
Y-12 National Security Complex	Jack Case Office Building	\$14,217 ^b	288,286	Indirect
Y-12 National Security Complex	New Hope Center	\$4,730 ^c	96,431	Indirect
Sandia National Laboratories – New Mexico	Innovation Parkway Office Center	\$3,915	118,738	Indirect
Sandia National Labs – New Mexico	Sandia @ Buena Vista	\$2,524	119,560	Indirect
Sandia National Laboratories – New Mexico	Center for Global Security and Cooperation	\$1,761	45,617	Indirect
Los Alamos National Laboratory	Office Building	\$1,499	22,659	Indirect
Nevada National Security Site – Los Alamos	Los Alamos Operations	\$1,330	45,275	Indirect
Y-12 National Security Complex	Commerce Park Offices	\$1,058	65,000	Indirect

^a Decrease reflects completion of improvements in FY 2020.

^b Increase reflects Operations and Maintenance, which is usually included as part of Annual Rent.

^c Increase reflects Operations and Maintenance, which is usually included as part of Annual Rent.

Minor Construction

Minor Construction Projects

Pursuant to Section 4701 of the Atomic Energy Defense Act, as amended, notification is being provided for minor construction projects with a total estimated cost of more than \$5 million planned for execution. Projects with a total estimated cost of more than \$10 million that are planned for execution are listed in a separate section below.

**Minor Construction Projects
(Dollars in Thousands)**

Weapons Activities – Kansas City National Security Campus

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
Building Classification Upgrade	Infrastructure and Operations: Infrastructure and Safety	6,846	Install the security systems, dock door covers, entry vestibule at the existing entry and other security infrastructure to support securing the space.	0	0	6,846	0	696

Weapons Activities – Lawrence Livermore National Laboratory (LLNL)

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
Bldg. 453 CTS Power and Cooling Improvements/Modifications ^a	Stockpile Research Technology and Engineering	7,000	Once CTS-2 is operational, modify existing CTS-supported facility and cooling loops and power distribution for future generations. This includes piping, equipment, and controls modifications, raceway, cable, distribution components, equipment, and metering modifications.	0	0	0	7,000	700

^a Project is not funded in FY 2023 but is included as a provisional notification in the event the program reprioritizes activities to initiate the project.

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
Bldg. 451 Power and Cooling Improvements/Modifications ^a	Stockpile Research Technology and Engineering	7,500	Aging facility requires overhauls in power and mechanical distribution equipment.	0	0	0	7,500	750
Building 190 CAMS SF6 Transfer Station Upgrade	Infrastructure and Operations: Infrastructure and Safety	5,800	Replace the existing deteriorating Sulfur Hexafluoride (SF6) Gas Storage and Handling/Transfer System with a new and modernized system which adds seismic protection, gas detection and controlled gas tank shutdown functionalities. Scope also includes a weather enclosure to provide protection from the elements.	0	0	5,800	0	425
Building 850 Upgrade	Infrastructure and Operations: Infrastructure and Safety	7,000	Revitalize existing 5,500 square foot decommissioned facility back to working condition to support programmatic needs. Scope includes upgrades to mechanical, electrical, architectural, and utilities systems necessary to bring the facility to current code.	0	0	7,000	0	400
Building 133 Heating Hot Water System Upgrade	Infrastructure and Operations: Infrastructure and Safety	7,950	Replaces two failing 25-year-old boilers with new boilers which will operate as needed to support the building heating requirements with improved capacity, efficiency, and	0	0	7,950	0	650

^a Project is not funded in FY 2023 but is included as a provisional notification in the event the program reprioritizes activities to initiate the project.

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
			reliability. This project supports NNSA's resilience and sustainability planning, design, construction, and/or operation objectives.					

Weapons Activities – Los Alamos National Laboratory (LANL)

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
TA-55 Fire Suppression Water Line for Security Facilities	Infrastructure and Operations: Infrastructure and Safety	9,472	Remove non seismically qualified security assets from the existing fire suppression water supply that supports seismically qualified buildings within the PIDAS at TA-55. Security assets and co-located buildings that are not seismically qualified will be transferred to a separate fire suppression water supply.	0	0	9,472	0	965
TA-03-0040-E39 3D Printing Room	Production Modernization	9,625	Renovating TA03-0040-E39 into a functional advanced manufacturing facility to house a variety of traditional and additive manufacturing capabilities along with sensor integration and testing areas for the devices being manufactured (by 3D printing).	0	0	9,625	0	500

Weapons Activities – Nevada National Security Site (NNSS)

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
New DAF Operations Complex Utilities	Infrastructure and Operations: Infrastructure and Safety	7,500	Supports DAF Area Planning by providing necessary utility connections (power, water, fire suppression, and communications) for multiple planned facilities.	0	0	900	6,600	900

Weapons Activities – Pantex (PX)

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
12-64 Bays 11, 12 & 15 Replacement Facilities ^a	Stockpile Management	5,283	Reconfigure Bays 11, 12 and 15 to support the “stage right” container staging configuration of 2030 and 2040 sealed insert containers. Current operations in Bays 11 and 15 will be moved to Cell 8 upon completion of that project and prior to reconfiguring the bays for Stage Right. Bay 12 is currently configured for dense pack staging and no operations are being conducted in the bay.	0	0	0	5,283	1,300
Southeast Circuit Upgrade	Infrastructure and Operations: Infrastructure and Safety	7,625	Install Manual Transfer Switches (MTSs) at four locations on the on the Electrical distribution system circuits in Zone 12. The new switches will provide the ability to isolate Electrical	0	0	7,625	0	700

^a Project is being re-notified under Stockpile Management; project originally notified under Strategic Materials Sustainment in the FY 2018 Congressional Budget Justification.

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
			Distribution System components and sections of the circuits and improves ability to perform maintenance and to isolate electrical faults. This project supports NNSA's resilience and sustainability planning, design, construction, and/or operation objectives.					
Building 15-34 Pump House and Tank Upgrades	Infrastructure and Operations: Infrastructure and Safety	6,350	Install flow meters for the high-pressure fire loop (HPFL) and a pressure relief bypass to allow for re-circulation of discharge water. This work will reinforce the response capabilities of the HPFL and also for independent operation which will reduce maintenance downtime impacts.	0	0	6,350	0	1,000

Weapons Activities – Sandia National Laboratories (SNL)

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
SNL\CA Site High Voltage LGS Replacement	Infrastructure and Operations: Infrastructure and Safety	5,700	Replace a total of thirteen (13) GE PowerVac type breakers along with the breaker enclosures and associated control accessories for both sides of the Load Grid Switchgear (LGS).	0	0	600	5,100	600
Building 6530 High Radiation Laboratory	Infrastructure and Operations:	5,400	Buildout out existing high bay to create laboratory for	0	0	5,400	0	400

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
Upgrade (AKA LINAC in TA-III)	Infrastructure and Safety		experiments. Scope will include required shielding, graded shielding behind the targets, interlocks, new control room location, and ventilation upgrades.					
4MW Power Upgrade for 725 HPC Facility	Stockpile Research Technology and Engineering	5,500	Provide for near-term additional power (from existing Sandia power infrastructure) in Building 725-E for Commodity Technology (CT) systems and other High Performance Computing (HPC) systems.	0	5,500	0	0	0
725E Infrastructure Platform	Stockpile Research Technology and Engineering	6,800	External platform construction for HPC facility infrastructure expansion to accommodate future growth	0	300	6,500	0	300
725E Cooling Capacity ^a Expansion	Stockpile Research Technology and Engineering	9,500	Expanded cooling capacity to accommodate future HPC system siting requirements	0	0	0	9,500	0

^a Project is not funded in FY 2023 but is included as a provisional notification in the event the program reprioritizes activities to initiate the project.

Weapons Activities – Savannah River Site (SRS)

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
Pu Metallography Capability	Production Modernization	5,000	Upgrade facility to perform Pu metallography on Pu metal samples from LANL, LLNL and SRPPF	0	0	1,000	4,000	1,000
Mass Spec Replacement Project #1A: New Inert Mass Spec (New MS #5) 234-H Room 301	Stockpile Management	5,500	This project provides room modifications required to support the installation, testing, and qualification of a new Inert Mass Spectrometer. This unit will be backup to the current MS #23 and will be utilized for evaluation and qualification as a loading process support instrument.	1,500	4,000 ^a	0	0	1,500
Redesign TEF Mass Spec 4 Location And purchase new Mass Spec for TEF	Production Modernization	8,600	Complete utility installations needed to support 2nd mass spec. Purchase and install the 2nd mass spec.	0	2,100 ^b	6,500	0	2,100
Install HT-TCAP Feed/Product Transfer Lines, SRS	Production Modernization	6,000	Provide two transfer lines connecting the evacuation and product gas storage from TCAP to HT-TCAP.	0	0	6,000	0	500
Module Stripper Blower Redesign/Replacement, SRS	Production Modernization	7,750	Develop new blower design that will allow blower maintenance without major/system/facility outage being required.	0	0	750	7,000	750
Glovebox Stripper Blower	Production Modernization	7,000	Develop new blower design that will allow blower maintenance	0	0	2,000	5,000	2,000

^a Construction will begin after notification and the wait period is complete.

^b Design work has not started.

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
Redesign/Replacement, SRS			without major/system/facility outage being required.					
Worker Protection System (WPS) Programmable Logic Controller (PLC) to Delta V Conversion, SRS ^a	Production Modernization	6,250	Convert the obsolete WPS PLC to a Delta V technology.	0	0	0	6,250	750

Weapons Activities – Y-12

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
LiM 9204-02 Lithium Process Equipment Relocation	Production Modernization	6,500	This project is to move any process equipment and tooling required before moving out of facility.	0	1,000	5,000	0	0
9215 Liquid Transfer Station	Production Modernization	7,000	Clear area & install a liquid transfer station in facility 9215	0	300	6,700	0	300
9204-2E Liquid Transfer Station	Production Modernization	7,000	Clear area & install a liquid transfer station in facility 9204-2E	0	300	6,700	0	300
9995 Liquid Transfer Station	Production Modernization	7,000	Clear area & install a liquid transfer station in facility 9995	0	300	6,700	0	300
Drying Oven #3	Production Modernization	5,200	Procure and install a production drying oven in production facility	0	0	5,200	0	0
A-2 Wing/ 9212 Decoupling	Production Modernization	8,311	Install new supply fan in A-2 Wing to decouple from 9212	0	0	1,185	7,126	1,185

^a Project is not funded in FY 2023 but is included as a provisional notification in the event the program reprioritizes activities to initiate the project.

Weapons Activities – Secure Transportation Asset Central Command

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
Agent Operations Central Command Sitewide Infrastructure Upgrades	Secure Transportation Asset	5,000	Sitewide planning as well as construction of a storm water drainage network, streets, and utility extensions/distribution networks essential to support move/new construction off Pantex Plant.	0	5,000	0	0	0

Naval Reactors – Bettis Atomic Power Laboratory (BL)

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
BL Warehouse Upgrade	Naval Reactors	8,079	This project upgrades the Warehouse to consolidate storage areas and support new IT infrastructure.	0	0	480	7,599	480

Naval Reactors – Knolls Atomic Power Laboratory (KL)

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
KL 002 Outfall	Naval Reactors	7,600	This project installs a new outfall, with higher measurement capacity, to support environmental monitoring of process water, storm water, and river water flow.	0	0	800	6,800	800
KL RML Building Envelope	Naval Reactors	6,939	The RML Building Envelope Upgrade applies a spray-on	0	0	630	6,309	630

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
			foam insulation and corrugated metal panel siding to the RML and Building E1 in order to improve the ability to maintain negative pressure and improve energy efficiency.					

Naval Reactors – Kenneth A. Kesselring Site (KS)

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
KS Storm Water Upgrades	Naval Reactors	5,207	This project upgrades, replaces, and/or refurbishes portions of the storm sewer system to prevent flooding of the system during major weather events and to extend service life of the overall storm water system.	0	0	650	4,557	650

Naval Reactors – Naval Reactors Facility (NRF)

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	Outyears	Construction Design Estimate
NRF Transporter Path	Naval Reactors	6,745	This project will consist of constructing a permanent concrete transfer path from the Spent Fuel Packaging Facility South (SFPF-South) to the existing air pallet transfer path.	0	0	479	6,266	479

50 US Code 2746, as amended by the FY 2022 NDAA, requires that if the total estimated cost for construction design in connection with any construction project exceeds \$5,000,000, funds for that design must be specifically authorized by law. NNSA requests Congressional Authorization for 2022 and FY 2023 minor construction projects exceeding the \$5,000,000 design threshold for the following projects:

**FY 2023 Minor Construction Projects – Design Over \$5 Million
(Dollars in Thousands)**

None to report.

Minor Construction

**Projects Subject to Section 3119 of the FY 2018 National Defense Authorization Act
(Dollars in Thousands)**

As directed in the FY 2018 National Defense Authorization Act, this section provides the requested project information for projects with a total project cost (TPC) over \$10 million planned for execution.

Project	Site	Project Description	Program	TPC	Construction Design Estimate	Project Milestones		
						Project Start	Design Complete	Construction Complete
Building 23 Advanced and Exploratory Technologies Area Buildout	KCNSC	Construct approximately 20,000 square feet of development space, including electrical and mechanical distribution systems to prepare the space for equipment installations.	Infrastructure and Operations: Infrastructure and Safety	18,165	1,852	FY 2023	FY 2024	FY 2025
Building Purchase and Expansion Infrastructure Upgrades	KCNSC	Build out utility infrastructure, security, and information technology, HVAC, electrical grids, restrooms, breakrooms, and plant gases needed to support initial occupancy. The project includes the building purchase and is not considered a construction activity. The minor construction activities will be under the minor construction threshold.	Infrastructure and Operations: Infrastructure and Safety	58,243	1,862	FY 2023	FY 2023	FY 2024
New Livermore Federal Center Office Building	LFO	Construct an approximately 24,000 square foot building consisting of approximately 100 office spaces (including secured offices), conference rooms, and support spaces for Federal staff located on site at Livermore.	Infrastructure and Operations: Infrastructure and Safety	24,750	1,000	FY 2023	FY 2023	FY 2025

Project	Site	Project Description	Program	TPC	Construction Design Estimate	Project Milestones		
						Project Start	Design Complete	Construction Complete
New Experimental Science Office Facility Building 266 (STAR)	LLNL	Construct a 22,000 square foot office building near the NA-11 RDT&E work areas. This office building includes ~100 offices, conference rooms, collaborative space, and mechanical/electrical rooms for building services as well as site preparation and utility services. Reusing the LLNL STAR B224 office building design.	Infrastructure and Operations: Infrastructure and Safety	22,200	900	FY 2022	FY 2022	FY 2023
New Site 200 Weapon Activity Warehouse	LLNL	Construct an approximately 20,000 square foot building to provide secure and climate-controlled warehouse space. The building will not be occupied nor have offices. Project will address both the growing need for storage of classified parts and the existing need of climate-controlled storage for critical life safety spare parts not currently being met. This project supports NNSA's resilience and sustainability planning, design, construction, and/or operation objectives.	Infrastructure and Operations: Infrastructure and Safety	13,950	825	FY 2023	FY 2023	FY 2025

Project	Site	Project Description	Program	TPC	Construction Design Estimate	Project Milestones		
						Project Start	Design Complete	Construction Complete
Site 200 Electrical Utility Re-distribution System Capacity Upgrade	LLNL	Install additional high-voltage (13.8kV) power cables to Load Grid System (LGS)-63 and LGS-66 to increase the reliability and useable capacity to 24MW each. This project will also install high-voltage (13.8kV) power factor correction capacitor banks at LGS-63 and LGS-66. This project supports NNSA's resilience and sustainability planning, design, construction, and/or operation objectives.	Infrastructure and Operations: Infrastructure and Safety	15,025	245	FY 2023	FY 2024	FY 2025
Building 331 Tritium Delivery System Upgrade	LLNL	Install a new Tritium Delivery System (TDS) housed in two new glove boxes and associated ventilated enclosures (and associated systems) in B331 R154/158. The two boxes will increase overall system availability, as an issue preventing one box from operating can allow continued operation in the other box to support critical fill for Stockpile stewardship, radiation survivability effects, and HED experiments. This project supports NNSA's resilience and sustainability planning, design, construction, and/or operation objectives.	Infrastructure and Operations: Infrastructure and Safety	19,450	1,650	FY 2022	FY 2023	FY 2025

Project	Site	Project Description	Program	TPC	Construction Design Estimate	Project Milestones		
						Project Start	Design Complete	Construction Complete
Building 151 Nuclear and Radiochemistry Facility Dissolver Laboratory Suite Revitalization	LLNL	Replace antiquated gloveboxes with standalone gloveboxes and fume hoods and renovate sample storage rooms. Two outdated changing rooms will be repurposed: one into a restroom and the other, merged with a small adjacent laboratory, into a large wet chemistry laboratory. Two hot-cells will be restored to full operational capability.	Infrastructure and Operations: Infrastructure and Safety	12,400	585	FY 2023	FY 2024	FY 2025
U193 Site 200 Sewer Diversion Plant Facility Upgrade ^a	LLNL	Renovate the existing Sewer Diversion Facility by replacing all existing system pumps, pipes, tanks, power systems, alarm, lighting, and control systems.	Infrastructure and Operations: Infrastructure and Safety	16,375	1,200	FY 2024	FY 2025	FY 2026
Quench furnace infrastructure and space buildout	LLNL	Remove old equipment and build out a suitable space for a custom vacuum quench furnace in support of DU modernization and broader Production Modernization and Science activities	Production Modernization	10,500	500	FY 2022	FY 2022	FY 2023
DAF Glovebox Exhaust System for expanded glovebox operations	LLNL	This project will make necessary modifications to the facility to install the glovebox exhaust system at NNSS to support various glovebox configurations that support pit certification needs, current end of life equipment replacements, existing pit certification residue processing, and SCE fabrication equipment.	Production Modernization	10,000	750	FY 2023	FY 2023	FY 2024

^a Project is not funded in FY 2023 but is included as a provisional notification in the event the program reprioritizes activities to initiate the project.

Project	Site	Project Description	Program	TPC	Construction Design Estimate	Project Milestones		
						Project Start	Design Complete	Construction Complete
New TA-03 Weapons Archive Records Facility (WARF)	LANL	Construct a 6,000 square foot climate-controlled storage facility in TA-03. The interior configuration consists of 3,000 square foot for NARA-approved climate-controlled storage of mission-critical film media and 3,000 square foot of space for digitizing the film media.	Infrastructure and Operations: Infrastructure and Safety	16,600	1,800	FY 2022	FY 2023	FY 2025
New TA-63 Fire Station 1 (STAR)	LANL	Construct an approximately 16,000 square foot modern fire station with 4-5 apparatus bays and house approximately 10 on-shift personnel. This project will reuse the design for Fire Station 5. The design will be modified for site conditions and utility tie-ins based on exact siting. The new station will support an overall strategy that improves fire department emergency response times and capabilities to incidents (turnout and travel times) and provides sufficient apparatus staging and operational support space. This project supports NNSA's resilience and sustainability planning, design, construction, and/or operation objectives.	Infrastructure and Operations: Infrastructure and Safety	22,500	995	FY 2023	FY 2023	FY 2025
ATS-5 Cooling Installation	LANL	Install connecting ATS-5 system to cooling	Stockpile Research Technology and Engineering	18,000	500	FY 2025	FY 2025	FY 2026
ATS-5 Electrical Installation	LANL	Install ATS-5 system to power systems	Stockpile Research Technology and Engineering	12,000	500	FY 2025	FY 2025	FY 2026

Project	Site	Project Description	Program	TPC	Construction Design Estimate	Project Milestones		
						Project Start	Design Complete	Construction Complete
Crossroads Installation Project	LANL	The Crossroads Installation Project provides the necessary modifications to the existing electrical distribution, warm-water cooling and facility management systems to support the installation of the Crossroads supercomputer.	Stockpile Research Technology and Engineering	18,759 ^a	663	FY 2020	FY 2021	FY 2022
New U1a Centralized Monitor and Control Center Installation	NNSS	Build out and install Centralized Monitor and Control Center in New U1a Operations Support Facility. Scope will include physical connections from critical underground and surface U1a systems. The project will provide the capability to monitor all vital U1a facilities and life safety systems and allow for remote control during normal operations as well as in emergency situations. This project supports NNSA's resilience and sustainability planning, design, construction, and/or operation objectives.	Infrastructure and Operations: Infrastructure and Safety	12,000	1,700	FY 2023	FY 2024	FY 2025
New U1a 02b Refuge Station ^b	NNSS	Install the required surface infrastructure and build-out the underground space for an additional Refuge Station. A new refuge station will allow an increased number of personnel underground and will be located closer to the test beds enabling a faster, more efficient route to safety in the event of an emergency.	Infrastructure and Operations: Infrastructure and Safety	16,700	2,000	FY 2024	FY 2025	FY 2028

^a Crossroads Installation Project construction work was incorrectly included in the MIE and was not properly notified.

^b Project is not funded in FY 2023 but is included as a provisional notification in the event the program reprioritizes activities to initiate the project.

Project	Site	Project Description	Program	TPC	Construction Design Estimate	Project Milestones		
						Project Start	Design Complete	Construction Complete
Demonstration Cascade 2 (DCAS2)	ORNL	Demonstration Cascade 2 (DCAS2) is a 2 floor, ~7000 sq ft concrete addition to existing research facility at ORNL main campus (Building 6010). The project will provide the facility footprint for an R&D testbed to prove viability of small uranium enrichment centrifuges in a cascade environment.	Production Modernization	19,000	850	FY 2021 ^a	FY 2022	FY 2023
Uranium Science and Technology Center	ORNL	Renovate and repurpose radiological laboratories in 4500N Wing 1 for use in Uranium S&T Center.	DNN Research and Development	23,902	750	FY 2021 ^b	FY 2023	FY 2026

^a Project design began in FY 2021 and was halted due to lack of notification. No further work will occur until notification and the wait period is complete. Full funding was provided in FY 2021 to ensure no funding delays.

^b Project started as one useful segment in FY 2021 for \$4,900,000. Notifying project expansion to include multiple, fully funded useful segments.

Project	Site	Project Description	Program	TPC	Construction Design Estimate	Project Milestones		
						Project Start	Design Complete	Construction Complete
New Stockpile and Component Modernization Support Building (STAR)	SNL	Construct an approximately 26,000 square foot classified office building for Nuclear Deterrent staff, full time on-site and teleworkers. It will provide secure on site and reservable telework spaces for LEP work as well as more traditionally workspaces for classified. This is part of the ProtoSTAR design initiative to pilot a common kit of parts, developing a flexible, scalable design for administrative spaces that could be deployed at various NNSA complexes. This project supports NNSA's resilience and sustainability planning, design, construction, and/or operation objectives. This project supports NNSA's resilience and sustainability planning, design, construction, and/or operation objectives.	Infrastructure and Operations: Infrastructure and Safety	16,400	1,400	FY 2023	FY 2022 ^a	FY 2024
New TA-II Master Substation	SNL	Install a new 115 kV - 12.47 kV electrical master substation with 12.47 kV switchgear/capacitor bank, protection/controls/metering, walled yard with control house, grounding, and miscellaneous systems. This substation will support many Mission Critical buildings within TA-I, TA-II, and provide backup to adjacent substations, including Sub 42 located in TA-IV to the south.	Infrastructure and Operations: Infrastructure and Safety	18,500	1,850	FY 2023	FY 2023	FY 2025

^a Design was funded at \$1,400,000 in late FY 2021 as part of a ProtoSTAR design pilot.

Project	Site	Project Description	Program	TPC	Construction Design Estimate	Project Milestones		
						Project Start	Design Complete	Construction Complete
TA-III, V, & Remotes 5kV Substation Replacement	SNL	Replace and modernize three (3) of the seven (7) 5kV substations that currently serve TA-III, V, and the Remotes. This project supports NNSA's resilience and sustainability planning, design, construction, and/or operation objectives.	Infrastructure and Operations: Infrastructure and Safety	19,500	1,950	FY 2023	FY 2024	FY 2025
Waste Container Handling Area	SRS	New structure to temporarily house a large waste container on a trailer while the lid is being welded on to it. This project increases the number of extractions that can be performed in the TEF facility.	Production Modernization	11,262	3,697	FY 2023	FY 2024	FY 2025
SNL CA High Security Office Modular Addition	SNL	Install a modular-built high-security building to respond to the urgent need for high security workspace to support Nuclear Deterrence Modernization programs. The modular high-security office will enable critical programs to achieve their mission commitments and reduce schedule and security risks.	Stockpile Management	13,500 ^a	800	FY2021	FY2022	FY2023
Install Mini-TCAP in TEF	SRS	Install Mini TCAP in TEF to demonstrate that the new TCAP can provide gas that would support the loading of GTS and to allow TEF to stack waste protium.	Production Modernization	15,645	1,145	FY 2022	FY 2023	FY 2027
Mobile Melt-Consolidate System 2.0	SRS	Design and build a follow-on Mobile Melt-Consolidate system for use in a second country.	Material Management and Minimization	11,000	2,000	FY 2023	FY 2023	FY 2024

^a Notified in FY 2022; re-notifying due to TPC increase.

Project	Site	Project Description	Program	TPC	Construction Design Estimate	Project Milestones		
						Project Start	Design Complete	Construction Complete
Development Facility Acquisition & Modification, Y-12 (formerly Production Development Facility Acquisition and Revitalization Modification)	Y-12	Execute facility improvements, including modification and upgrades to laboratory and productions areas, utilities, and common areas within existing 73,000 sq ft facility. Project will provide modern and capable facility to enable relocation of development equipment and capabilities to support Y12 production mission.	Infrastructure and Operations: Infrastructure and Safety	24,000	1,500	FY 2022 ^a	FY 2023	FY 2024
LiM Lithium Lab Area Upgrades	Y-12	The scope of this project is to upgrade and refurbish the Room 121 laboratory to install lithium lab equipment in Building 9995 to support sample analysis requirements. Also, procure and install lithium lab equipment in the Room 121 laboratory of Building 9995 to support sample analysis requirements.	Production Modernization	14,000	0	FY 2023	FY 2023	FY 2026

^a Project funded with FY 2021 carryover. No work will occur until notification and the wait period is complete.

Project	Site	Project Description	Program	TPC	Construction Design Estimate	Project Milestones		
						Project Start	Design Complete	Construction Complete
LiM 9204-2 Redundant Crusher Grinder Installation	Y-12	The scope of this project is to design and install a more reliable, redundant crusher/grinder line for lithium hydride production in Building 9204-2. While this equipment has undergone upgrades in recent years and has a well-defined preventative maintenance program, there is a significant risk exist associated with internal malfunctions, requiring significant maintenance efforts with break downs resulting in excessive downtime and costs. The scope would install a scaled system to support increased production demands.	Production Modernization	11,000	0	FY 2023	FY 2023	FY 2026
KS Radio Upgrade	Kenneth A. Kesselring Site (KS)	This project will provide a new radio system for the Kesselring Site.	Naval Reactors	17,678	1,603	FY 2023	FY 2025	FY 2029
BL Simulation Development Laboratory and BRES	Bettis Atomic Power Laboratory (BL)	The Simulation Development Laboratory (SDL) provides a permanent facility to support the design and development of long term, advanced simulation technology for the Naval Nuclear Propulsion Training Program (NNPTP).	Naval Reactors	19,000	N/A	FY 2023	FY 2023	FY 2026
NRF ECF Electric Heat Conversion	Naval Reactors Facility (NRF)	Convert the steam heat to electric heat at the ECF.	Naval Reactors	13,500	1,000	FY 2023	FY 2024	FY 2028

**Institutional Minor Construction Projects for NNSA – (>\$5M)
(Dollars in Thousands)**

Weapons Activities – Los Alamos National Laboratory

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Request	FY 2023 Request	Outyears	Construction Design Estimate
Pajarito Road Traffic Circle Construction	Institutional	6,500	This project will design and construct a traffic circle along Pajarito Road where a three-way intersection currently exists. This new project will eliminate traffic safety concerns.	0	0	500	6,000	500

Weapons Activities – Sandia National Laboratories

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Request	FY 2023 Request	Outyears	Construction Design Estimate
SNL-NM - Bldg. 895 Physical Security Laboratory Addition	Institutional	6,500	Construct a staging/storage addition to Building 895 to increase utilization of high bay laboratories as existing space is at capacity and requires storage of items outside of the building.	0	0	650	5,850	650
SNL NM Radio Frequency Facility/Bldg 872 - West SCIF Upgrade	Institutional	6,400	Design and construction of implementing SCIF features for the western half of Building 872, approximately 3,938 square feet. Interior features include STC 50 conference room, manager and staff offices, computing	0	230	6,170	0	230

Project Title	Program	Total	Project Description	FY 2021 Enacted	FY 2022 Request	FY 2023 Request	Outyears	Construction Design Estimate
			areas, new shipping/receiving and restroom addition, and common space to support mission needs.					

**Institutional Minor Construction Projects for NNSA – (>\$10M)
(Dollars in Thousands)**

Project	Site	Project Description	TPC	Construction Design Estimate	Project Milestones		
					Project Start	Design Complete	Construction Complete
Diamond Drive Road Upgrades	LANL	This project will design and construct multiple road work upgrades along Diamond Drive to address traffic capacity issues. Capacity issues need to be addressed for current and future on-site mission growth.	24,000	900	FY 2023	FY 2023	FY 2024
STAR - TA-15 New Construction General Purpose Laboratory/Office Building 1	LANL	This project will construct a new 17,000 sq. ft. office facility to provide office and meeting space for multiple staff and programs within TA-15.	22,500	900	FY 2023	FY 2023	FY 2024
Building 9103 Revitalization	Y-12	This project involves the modification of Building 9103, a Balance of Plant facility. The facility will support various Programs at the site. It includes renovation and modernization of Building 9103's restrooms, change houses, two vault type rooms, office space, storage space and facility systems such as electrical, plumbing, and HVAC.	13,100	2,000	FY 2023	FY 2023	FY 2024

Information on Maintenance in response to legislative language set forth in Conference Report (H.R. Conf. Rep. No. 108-10) accompanying the Consolidated Appropriations Resolution, 2003 (Public Law 108-7) (pages 886-887), which directs the Department of Energy provide an annual year-end report on maintenance expenditures to the Committees on Appropriations is included within the Infrastructure Crosscut in Volume 2.

Site Estimates
(Dollars in Thousands)

Site	FY 2021 Enacted	FY 2022 Annualized	FY 2023 Request				
			FSE	WA	DNN	NR	Total
Argonne National Laboratory	53,524	41,721	923	5,040	41,970	-	47,933
Bettis Atomic Power Laboratory	364,997	364,997	-	-	-	652,183	652,183
Brookhaven National Laboratory	14,931	17,243	6	515	16,363	-	16,884
Carlsbad Area Office	56	1	1	-	49	-	50
Chicago Operations Office	6	6	6	-	-	-	6
Fermi National Accelerator Laboratory	750	750	-	-	843	-	843
Fluor Marine Propulsion, LLC	475	445	-	500	-	-	500
Idaho National Laboratory	369,301	359,165	6	5,542	97,161	195,891	298,600
Kansas City National Security Complex (KCNSC)	1,209,612	1,171,525	110	1,276,598	49,716	-	1,326,424
Kansas City Site Office	10,448	11,346	9,664	425	3,753	-	13,842
Knolls Atomic Power Laboratory	654,727	654,727	-	-	-	653,950	653,950
Lawrence Berkeley National Laboratory	10,875	15,185	-	572	11,386	-	11,958
Lawrence Livermore National Laboratory	2,057,676	2,089,597	1,580	2,007,276	211,809	-	2,220,665
Livermore Site Office	17,112	17,516	18,241	1,000	-	-	19,241
Los Alamos National Laboratory	3,290,364	3,098,197	-	3,608,575	477,452	-	4,086,027
Los Alamos Site Office	17,064	17,474	20,669	60	-	-	20,729
National Energy Technology Laboratory	64,706	58,109	113	26,484	1,635	-	28,232
Naval Reactors Facility	325,121	325,121	-	-	-	503,000	503,000
Naval Reactors Laboratory Field Office	20,680	20,680	-	-	-	23,410	23,410
Naval Research Laboratory	8,500	7,000	-	2,500	-	-	2,500
Nevada Field Office	19,435	17,816	19,821	1,335	-	-	21,156
Nevada National Security Site	786,307	776,524	150	554,395	98,744	-	653,289
NNSA Albuquerque Complex	1,308,278	1,375,584	7,484	1,020,543	215,557	-	1,243,584
NNSA Production Office (NPO)	86,098	46,927	32,122	11,000	75,146	-	118,268
Oak Ridge Institute for Science & Education	2,047	5,162	-	-	3,228	-	3,228
Oak Ridge National Laboratory	201,780	175,781	-	72,491	159,763	-	232,254
Office of Scientific & Technical Information	477	333	-	539	72	-	611
Pacific Northwest National Laboratory	335,847	346,645	1,500	91,307	266,079	-	358,886
Pantex Plant	987,692	973,369	-	1,134,159	9,415	-	1,143,574
Portsmouth Gaseous Diffusion Plant	43,000	32,000	-	60,000	-	-	60,000
Princeton Plasma Physics Laboratory	760	460	-	-	855	-	855
Richland Operations Office	2,920	2,111	6	-	2,788	-	2,794
Sandia National Laboratories	2,611,217	2,509,782	-	2,565,772	245,047	-	2,810,819
Sandia Site Office	64,339	75,673	20,018	957	42,223	-	63,198
Savannah River Operations Office	30,419	20,289	10,871	18,248	135	-	29,254
Savannah River Site	1,051,626	1,117,371	-	1,263,360	176,219	-	1,439,579
SLAC National Accelerator Laboratory	1,916	1,755	-	180	1,862	-	2,042
Thomas Jefferson National Accelerator Facility	-	100	-	100	-	-	100
University of Rochester	82,000	82,000	-	75,000	-	-	75,000
Washington Headquarters	1,490,269	1,693,255	369,909	1,116,138	186,787	53,011	1,725,845
Waste Isolation Pilot Plant	11,067	6,607	-	-	12,890	-	12,890
Y-12 National Security Complex	2,123,781	2,201,851	-	1,961,691	60,358	-	2,022,049
Adjustment	-	-	(16,800)	(396,004)	(123,048)	-	(535,852)
Grand Total	19,732,200	19,732,200	496,400	16,486,298	2,346,257	2,081,445	21,410,400

Support Service Contracts

Annual report on “NNSA service support contracts” – Reporting for FY 2021

The following table provides information required by paragraphs (f)(2), (f)(3), f(5) and f(6). Note: The FSE chapter of the budget provides information for (f)(1). This information does not address paragraph (f)(4). As noted in responses to the GAO audit for support service contracts, NNSA has been fully transparent in its budget justification materials regarding data limitations that prevent accurate, reliable reporting of this information. NNSA does not have access to contractor personnel systems and collecting and reporting such data could run counter to regulations/statutes regarding employer/employee relationships. In this case, the vendor, not NNSA, is the employer and we must avoid any activities that would give the appearance of attempting to manage or oversee contractor employees or staffing. NNSA will, however, meet with congressional staff on ways to further enhance the reported data to meet their needs. *Status as of CY2021: NA-APM has coordinated with NA-EA to schedule follow-up discussions with congressional parties. To date, we have not received any further direction or feedback from our inquiries.*

For the Annual Service Support Contractor (SSC) table, we continue to include Technical and Management (professional) support service contracts and exclude the following services: Management and Operating contracts, contracts for housekeeping, custodial, physical security, IT helpline, maintenance, and facilities maintenance.

The total number of SSC active in FY 2021 is 186, with 1,328 contractor Full Time Equivalent (FTEs) reported:

Awardee Name / Vendor Name	Contract/Order Number	Fund Value and Description	Expired or Follow-On		Total FTEs for Active		Total FTEs for Expired
			Contract/Order Number	Total FY 21 Obligations	Contracts a	Contracts b	
ACCENTURE FEDERAL SERVICES LLC	89233120FNA000082	Weapons Activities (WA) Primary Fund (was TC)	0	\$5,232,194	4	0	
	89233120FNA000082 Total			\$5,232,194	4	0	
ADVANCED MANAGEMENT STRATEGIES GROUP, INC.	89233120FNA400258	Weapons Activities (WA) Primary Fund (was TC)	0	\$800,333	20	0	
		Weapons Activities Program Direction	0	\$1,450,049	0	0	
	89233120FNA400258 Total			\$2,250,382	20	0	
ALUTIIQ COMMERCIAL ENTERPRISES LLC	NA0002827	Federal Salaries and Expenses Primary Fund	0	-\$62,408	6	0	
	NA0002827 Total			-\$62,408	6	0	
ALVAREZ LLC	89233118FNA000026	Weapons Activities (WA) Primary Fund (was TC)	0	\$0	10	0	
	89233118FNA000026 Total			\$0	10	0	
	89233119FNA000049	Weapons Activities (WA) Primary Fund (was TC)	0	\$10,310,000	7	0	
	89233119FNA000049 Total			\$10,310,000	7	0	
APOGEE GROUP, LLC	89233118CNA000056	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$233,221	1	0	
	89233118CNA000056 Total			\$233,221	1	0	
APPLIED RESEARCH ASSOCIATES	89233121PNA000107	WA Reimbursable Work with Non-Federal Entities (was 2T)	0	\$14,912	1	0	
	89233121PNA000107 Total			\$14,912	1	0	
ASPEN CULTURAL RESOURCE MANAGEMENT SOLUTIONS	89233120CNA000139	Weapons Activities (WA) Primary Fund (was TC)	0	\$0	3	0	
	89233120CNA000139 Total			\$0	3	0	
AUGUR CONSULTING INC	89233120FNA400290	Federal Salaries and Expenses Primary Fund	0	\$0	1.9	0	
	89233120FNA400290 Total			\$0	1.9	0	
BANDA GROUP INTERNATIONAL, LLC	89233119CNA000066	Weapons Activities (WA) Primary Fund (was TC)	0	\$1,110,000	4	0	
	89233119CNA000066 Total			\$1,110,000	4	0	
	89233120CNA000128	Weapons Activities (WA) Primary Fund (was TC)	0	\$0	2	0	
	89233120CNA000128 Total			\$0	2	0	

^a Active or Follow-on for FY 2021 expired contract.

^b Expired Requirement with a Follow-on starting in FY 2021.

Awardee Name / Vendor Name	Contract/Order Number	Fund Value and Description	Expired or Follow-On		Total FTEs for Active	Total FTEs for Expired
			Contract/Order Number	Total FY 21 Obligations	Contracts a	Contracts b
	NA0002903	Federal Salaries and Expenses Primary Fund	89233121CNA000179	\$0	0	3
	NA0002903 Total	Expired requirement with a follow-on starting in FY21.		\$0	0	3
	NA0003412	Weapons Activities (WA) Primary Fund (was TC)	0	\$0	0	0
	NA0003412 Total			\$0	0	0
BETTERUP, INC.	89233121CNA000207	Federal Salaries and Expenses Primary Fund	0	\$300,000	1	0
	89233121CNA000207 Total			\$300,000	1	0
CE2 CORPORATION INC	89233121FNA400376	Federal Salaries and Expenses Primary Fund	0	\$2,041,704	15	0
	89233121FNA400376 Total			\$2,041,704	15	0
	DT0009471	Federal Salaries and Expenses Primary Fund	0	-\$858	0	0
	DT0009471 Total			-\$858	0	0
	DT0009761	Federal Salaries and Expenses Primary Fund	0	\$557,466	18	0
	DT0009761 Total			\$557,466	18	0
	DT0011828	Federal Salaries and Expenses Primary Fund	0	\$235,414	3	0
	DT0011828 Total			\$235,414	3	0
	DT0012670	Federal Salaries and Expenses Primary Fund	0	\$838,013	6	0
	DT0012670 Total			\$838,013	6	0
CHENEGA PROFESSIONAL & TECHNICAL SERVICES, LLC	89233119CNA000081	Weapons Activities (WA) Primary Fund (was TC)	0	\$2,700,000	18	0
	89233119CNA000081 Total			\$2,700,000	18	0
	DT0012824	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$120,000	0	0
		Federal Salaries and Expenses Primary Fund	0	\$778,800	0	0
		Weapons Activities (WA) Primary Fund (was TC)	0	\$360,000	18	0
	DT0012824 Total			\$1,258,800	18	0
COGENT SECURITY CONSULTING LLC	89233119FNA400197	Federal Salaries and Expenses Primary Fund	0	\$507,880	4	0
	89233119FNA400197 Total			\$507,880	4	0
CORPORATE ALLOCATION SERVICES, INC	BP0005605	Weapons Activities (WA) Primary Fund (was TC)	0	\$44,000	2	0
	BP0005605 Total			\$44,000	2	0
	DT0012654	WA Reimbursable Work with Other Federal Agencies (was 3T)	0	\$0	3	0
		Weapons Activities (WA) Primary Fund (was TC)	0	\$72,659	0	0
	DT0012654 Total			\$72,659	3	0

Awardee Name / Vendor Name	Contract/Order Number	Fund Value and Description	Expired or Follow-On		Total FTEs for Active	Total FTEs for Expired
			Contract/Order Number	Total FY 21 Obligations	Contracts a	Contracts b
COVENANT PARK INTEGRATED INITIATIVES						
	89233118FNA400044	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	89233121CNA000187	\$1,376,501	0	12
	89233118FNA400044 Total	Expired requirement with a follow-on starting in FY21.		\$1,376,501	0	12
	89233121CNA000187	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	89233118FNA400044	\$747,000	10	0
	89233121CNA000187 Total	Follow-on for FY21 expired contract.		\$747,000	10	0
CRITERION SYSTEMS, INC.	89233118FNA000015	Weapons Activities (WA) Primary Fund (was TC)	0	\$10,002,504	44	0
	89233118FNA000015 Total			\$10,002,504	44	0
	BP0005221	Weapons Activities (WA) Primary Fund (was TC)	0	\$1,665,498	12	0
	BP0005221 Total			\$1,665,498	12	0
DELOITTE CONSULTING LLP	89233121FNA000091	Federal Salaries and Expenses Primary Fund	0	\$126,000	0	0
	89233121FNA000091 Total			\$126,000	0	0
DIGON SYSTEMS, LLC	89233120CNA000146	Weapons Activities (WA) Primary Fund (was TC)	0	\$1,140,235	13	0
	89233120CNA000146 Total			\$1,140,235	13	0
DIVERSIFIED PROTECTION CORPORATION						
	89233120FNA400244	Federal Salaries and Expenses Primary Fund	0	\$0	28.62	0
	89233120FNA400244 Total			\$0	28.62	0
	89233121CNA000174	Federal Salaries and Expenses Primary Fund	0	\$138,549	1	0
	89233121CNA000174 Total			\$138,549	1	0
DOXCELERATE CORPORATION	NA0003349	Federal Salaries and Expenses Primary Fund	89233121CNA000227	\$0	0	1.5
	NA0003349 Total	Expired requirement with a follow-on starting in FY21.		\$0	0	1.5
EUCLID TECHLABS, LLC	89233121CNA000209	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$1,679,894	3	0
	89233121CNA000209 Total			\$1,679,894	3	0
FEASIBILITY RESEARCH GROUP OHIO LLC						
	89233121FNA400383	Weapons Activities (WA) Primary Fund (was TC)	0	\$20,596	5	0
	89233121FNA400383 Total			\$20,596	5	0
GARTNER, INC.	89233120FNA400298	Weapons Activities (WA) Primary Fund (was TC)	0	\$3,586,990	8	0
	89233120FNA400298 Total			\$3,586,990	8	0
GRADILLAS COURT REPORTERS INC	89233119FNA400231	Federal Salaries and Expenses Primary Fund	0	\$5,000	0	0
	89233119FNA400231 Total			\$5,000	0	0
HARKCON, INC	89233120FNA400313	Federal Salaries and Expenses Primary Fund	0	\$3,154,647	17	0
	89233120FNA400313 Total			\$3,154,647	17	0
	89233121FNA400339	Federal Salaries and Expenses Primary Fund	DT009564	\$812,484	6	0
	89233121FNA400339 Total	Follow-on for FY21 expired contract.		\$812,484	6	0
HENRY L STIMSON CENTER	89233119CNA000075	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$1,885,192	8.6	0
	89233119CNA000075 Total			\$1,885,192	8.6	0

Awardee Name / Vendor Name	Contract/Order Number	Fund Value and Description	Expired or Follow-On		Total FTEs for Active	Total FTEs for Expired
			Contract/Order Number	Total FY 21 Obligations	Contracts a	Contracts b
HYPERION TECHNOLOGIES LLC	89233119CNA000107	DA Primary Fund	0	\$50,000	0	0
		Weapons Activities (WA) Primary Fund (was TC)	0	\$240,000	4.5	0
	89233119CNA000107 Total				\$290,000	4.5
INNOVATIVE TECHNOLOGY PARTNERSHIPS LLC						
89233120FNA400249	89233120FNA400249	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$770,000	8	0
		89233120FNA400249 Total				\$770,000
89233120FNA400264	89233120FNA400264	WA Reimbursable Work with Other Federal Agencies (was 3T)	0	\$1,942	0	0
		Weapons Activities (WA) Primary Fund (was TC)	0	\$5,520,093	65	0
89233120FNA400264 Total				\$5,522,035	65	0
DT0014072	DT0014072	Federal Salaries and Expenses Primary Fund	0	\$168,151	2	0
DT0014072 Total				\$168,151	2	0
INTERNATIONAL SERVICES AND ADVISORS INC						
NA0003742	NA0003742	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$0	5	0
NA0003742 Total				\$0	5	0
INTUITIVE INFORMATION SYSTEMS TECHNOLOGIES, LLC						
89233120FNA400273	89233120FNA400273	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$1,589,032	5.5	0
89233120FNA400273 Total				\$1,589,032	5.5	0
JG MANAGEMENT SYSTEMS INC						
89233118FNA400104	89233118FNA400104	Federal Salaries and Expenses Primary Fund	0	\$199,552	2.23	0
89233118FNA400104 Total				\$199,552	2.23	0
89233119FNA400184	89233119FNA400184	Weapons Activities (WA) Primary Fund (was TC)	0	\$1,393,407	9	0
89233119FNA400184 Total				\$1,393,407	9	0
89233120FNA400246	89233120FNA400246	WA Reimbursable Work with Non-Federal Entities (was 2T)	0	\$234,690	2	0
89233120FNA400246 Total				\$234,690	2	0
89233120FNA400293	89233120FNA400293	Weapons Activities (WA) Primary Fund (was TC)	0	\$9,114	4.22	0
89233120FNA400293 Total				\$9,114	4.22	0
DT0011413	DT0011413	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$289,844	3	0
DT0011413 Total				\$289,844	3	0
JGMS GOVERNMENT SERVICES, LLC						
89233118FNA400056	89233118FNA400056	Weapons Activities (WA) Primary Fund (was TC)	0	\$242,523	4	0
89233118FNA400056 Total				\$242,523	4	0
89233118FNA400094	89233118FNA400094	Federal Salaries and Expenses Primary Fund	0	\$175,000	2	0
89233118FNA400094 Total				\$175,000	2	0
89233118FNA400103	89233118FNA400103	Federal Salaries and Expenses Primary Fund	0	\$163,237	1.85	0
89233118FNA400103 Total				\$163,237	1.85	0
BP0005948	BP0005948	Federal Salaries and Expenses Primary Fund	0	\$54,451	1.5	0
BP0005948 Total				\$54,451	1.5	0
DT0011516	DT0011516	Weapons Activities (WA) Primary Fund (was TC)	0	\$902,855	7	0
DT0011516 Total				\$902,855	7	0
DT0012665	DT0012665	Federal Salaries and Expenses Primary Fund	0	\$351,942	0	0
		Other Defense Activities (ODA) Primary Fund (was TF)	0	\$50,000	5	0
DT0012665 Total				\$401,942	5	0

Awardee Name / Vendor Name	Contract/Order Number	Fund Value and Description	Expired or Follow-On		Total FTEs for Active		Total FTEs for Expired
			Contract/Order Number	Total FY 21 Obligations	Contracts a	Contracts b	
HYPERION TECHNOLOGIES LLC	89233119CNA000107	DA Primary Fund	0	\$50,000	0	0	
		Weapons Activities (WA) Primary Fund (was TC)	0	\$240,000	4.5	0	
	89233119CNA000107 Total			\$290,000	4.5	0	
INNOVATIVE TECHNOLOGY PARTNERSHIPS LLC							
PARTNERSHIPS LLC	89233120FNA400249	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$770,000	8	0	
		89233120FNA400249 Total		\$770,000	8	0	
	89233120FNA400264	WA Reimbursable Work with Other Federal Agencies (was 3T)	0	\$1,942	0	0	
	Weapons Activities (WA) Primary Fund (was TC)	0	\$5,520,093	65	0		
89233120FNA400264 Total			\$5,522,035	65	0		
DT0014072		Federal Salaries and Expenses Primary Fund	0	\$168,151	2	0	
DT0014072 Total				\$168,151	2	0	
INTERNATIONAL SERVICES AND ADVISORS INC							
INTERNATIONAL SERVICES AND ADVISORS INC	NA0003742	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$0	5	0	
		NA0003742 Total		\$0	5	0	
INTUITIVE INFORMATION SYSTEMS TECHNOLOGIES, LLC							
INTUITIVE INFORMATION SYSTEMS TECHNOLOGIES, LLC	89233120FNA400273	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$1,589,032	5.5	0	
		89233120FNA400273 Total		\$1,589,032	5.5	0	
JG MANAGEMENT SYSTEMS INC	89233118FNA400104	Federal Salaries and Expenses Primary Fund	0	\$199,552	2.23	0	
		89233118FNA400104 Total		\$199,552	2.23	0	
	89233119FNA400184	Weapons Activities (WA) Primary Fund (was TC)	0	\$1,393,407	9	0	
89233119FNA400184 Total			\$1,393,407	9	0		
89233120FNA400246		WA Reimbursable Work with Non-Federal Entities (was 2T)	0	\$234,690	2	0	
89233120FNA400246 Total				\$234,690	2	0	
89233120FNA400293		Weapons Activities (WA) Primary Fund (was TC)	0	\$9,114	4.22	0	
89233120FNA400293 Total				\$9,114	4.22	0	
DT0011413		Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$289,844	3	0	
DT0011413 Total				\$289,844	3	0	
JGMS GOVERNMENT SERVICES, LLC	89233118FNA400056	Weapons Activities (WA) Primary Fund (was TC)	0	\$242,523	4	0	
		89233118FNA400056 Total		\$242,523	4	0	
	89233118FNA400094	Federal Salaries and Expenses Primary Fund	0	\$175,000	2	0	
	89233118FNA400094 Total			\$175,000	2	0	
89233118FNA400103		Federal Salaries and Expenses Primary Fund	0	\$163,237	1.85	0	
89233118FNA400103 Total				\$163,237	1.85	0	

Awardee Name / Vendor Name	Contract/Order Number	Fund Value and Description	Expired or Follow-On		Total FTEs for Active	Total FTEs for Expired	
			Contract/Order Number	Total FY 21 Obligations	Contracts a	Contracts b	
	BP0005948	Federal Salaries and Expenses Primary Fund		0	\$54,451	1.5	0
	BP0005948 Total				\$54,451	1.5	0
	DT0011516	Weapons Activities (WA) Primary Fund (was TC)		0	\$902,855	7	0
	DT0011516 Total				\$902,855	7	0
	DT0012665	Federal Salaries and Expenses Primary Fund		0	\$351,942	0	0
		Other Defense Activities (ODA) Primary Fund (was TF)		0	\$50,000	5	0
	DT0012665 Total				\$401,942	5	0
LINK TECHNOLOGIES INC	89233120FNA400317	WA Reimbursable Work with Other Federal Agencies (was 3T)	DT0013473		\$1,847,017	19	0
		Weapons Activities (WA) Primary Fund (was TC)	DT0013473		\$800,000	0	0
	89233120FNA400317 Total	Follow-on for FY21 expired contract.			\$2,647,017	19	0
	DT0013473	WA Reimbursable Work with Other Federal Agencies (was 3T)	89233120FNA400317		\$0	0	12
		Weapons Activities (WA) Primary Fund (was TC)	89233120FNA400317		-\$236,552	0	0
	DT0013473 Total	Expired requirement with a follow-on starting in FY21.			-\$236,552	0	12
LONGENECKER AND ASSOCIATES, INC	89233118FNA400109	Federal Salaries and Expenses Primary Fund		0	\$335,000	4.01	0
	89233118FNA400109 Total				\$335,000	4.01	0
	89233118FNA400112	Weapons Activities (WA) Primary Fund (was TC)		0	\$6,728,318	7.41	0
	89233118FNA400112 Total				\$6,728,318	7.41	0
	89233119FNA400224	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)		0	\$500,000	3	0
	89233119FNA400224 Total				\$500,000	3	0
	DT0009564	Federal Salaries and Expenses Primary Fund		0	\$0	0	0
		Weapons Activities (WA) Primary Fund (was TC)		0	\$0	7	0
	DT0009564 Total				\$0	7	0
LTD GLOBAL, LLC	89233118CNA000052	Federal Salaries and Expenses Primary Fund		0	\$792,971	4.1	0
	89233118CNA000052 Total				\$792,971	4.1	0
		Defense Environmental Cleanup Primary Fund (was Defense Facilities Closure Projects thru FY03; Defense Site Acceleration Completion thru FY06) (was TP)		0	\$65,000	0.85	0
	89233119CNA000062	Weapons Activities (WA) Primary Fund (was TC)		0	\$45,018	0	0
	89233119CNA000062 Total				\$110,018	0.85	0
	NA0003116	Federal Salaries and Expenses Primary Fund		0	\$1,715	0	0
	NA0003116 Total				\$1,715	0	0
	NA0003420	Federal Salaries and Expenses Primary Fund	89233121FNA400390		\$0	0	3
	NA0003420 Total	Expired requirement with a follow-on starting in FY21.			\$0	0	3

Awardee Name / Vendor Name	Contract/Order Number	Fund Value and Description	Expired or Follow-On		Total FTEs for Active	Total FTEs for Expired
			Contract/Order Number	Total FY 21 Obligations	Contracts a	Contracts b
MCLANE ADVANCED TECHNOLOGIES, LLC	89233121FNA400365	Weapons Activities (WA) Primary Fund (was TC)	0	\$3,692,025	35	0
	89233121FNA400365 Total			\$3,692,025	35	0
MELE ASSOCIATES INC	89233118FNA000008	Weapons Activities (WA) Primary Fund (was TC)	0	\$1,525,000	5	0
	89233118FNA000008 Total			\$1,525,000	5	0
	89233119FNA400200	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$3,166,000	0	0
		Weapons Activities (WA) Primary Fund (was TC)	0	\$700,000	22	0
	89233119FNA400200 Total			\$3,866,000	22	0
	89233120FNA400255	Weapons Activities (WA) Primary Fund (was TC)	0	\$13,483,233	42	0
	89233120FNA400255 Total			\$13,483,233	42	0
	89233120FNA400260	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$6,848,210	0	0
		Weapons Activities (WA) Primary Fund (was TC)	0	\$0	26.5	0
	89233120FNA400260 Total			\$6,848,210	26.5	0
	89233121FNA400373	Weapons Activities (WA) Primary Fund (was TC)	0	\$2,567,599	6.5	0
	89233121FNA400373 Total			\$2,567,599	6.5	0
	DT0013157	Weapons Activities (WA) Primary Fund (was TC)	0	\$7,662,000	41	0
	DT0013157 Total			\$7,662,000	41	0
	DT0013826	Federal Salaries and Expenses Primary Fund	0	\$175,000	0	0
		Weapons Activities (WA) Primary Fund (was TC)	0	\$2,000,000	15	0
	DT0013826 Total			\$2,175,000	15	0
MONTECH INC.	NA0003226	WA Program Direction	0	\$0	0	0
		Weapons Activities (WA) Primary Fund (was TC)	0	\$0	0	0
	NA0003226 Total			\$0	0	0
	NA0003445	Federal Salaries and Expenses Primary Fund	0	\$0	0	0
		Transfers Activity - DOE PAC Phase II (Admin) (was YY)	0	\$50,000	2.53	0
		WA Program Direction	0	\$0	0	0
	NA0003445 Total			\$50,000	2.53	0
	NA0003599	Federal Salaries and Expenses Primary Fund	0	\$2,000	1	0
	NA0003599 Total			\$2,000	1	0
	NA0003675	Federal Salaries and Expenses Primary Fund	0	-\$48,793	0	0
	NA0003675 Total			-\$48,793	0	0
NATIONAL ACADEMY OF PUBLIC ADMINISTRATION	NA0003411	Federal Salaries and Expenses Primary Fund	0	\$0	1	0
	NA0003411 Total			\$0	1	0
NATIONAL ACADEMY OF SCIENCES	NA0003381	Federal Salaries and Expenses Primary Fund	0	\$0	1	0
	NA0003381 Total			\$0	1	0

Awardee Name / Vendor Name	Contract/Order Number	Fund Value and Description	Expired or Follow-On		Total FTEs for Active	Total FTEs for Expired
			Contract/Order Number	Total FY 21 Obligations	Contracts a	Contracts b
NAVARRO RESEARCH AND ENGINEERING, INC						
	89233118FNA400122	Weapons Activities (WA) Primary Fund (was TC)	89233121FNA400384	\$78,403	0	3
	89233118FNA400122 Total	Expired requirement with a follow-on starting in FY21.		\$78,403	0	3
	89233121FNA400384	Weapons Activities (WA) Primary Fund (was TC)	89233118FNA400122	\$128,342	3	0
	89233121FNA400384 Total	Follow-on for FY21 expired contract.		\$128,342	3	0
PARSONS GOVERNMENT SERVICES INC						
	89233118FNA000001	Weapons Activities (WA) Primary Fund (was TC)	0	\$766,065	0.11	0
	89233118FNA000001 Total			\$766,065	0.11	0
	89233118FNA000012	Weapons Activities (WA) Primary Fund (was TC)	0	-\$868	0.54	0
	89233118FNA000012 Total			-\$868	0.54	0
	89233118FNA000013	Federal Salaries and Expenses Primary Fund	0	\$0	0	0
		Weapons Activities (WA) Primary Fund (was TC)	0	\$0	0.3	0
	89233118FNA000013 Total			\$0	0.3	0
	89233118FNA000016	Weapons Activities (WA) Primary Fund (was TC)	0	\$299,200	0.39	0
	89233118FNA000016 Total			\$299,200	0.39	0
	89233118FNA000022	Federal Salaries and Expenses Primary Fund	0	\$100,000	0	0
		Weapons Activities (WA) Primary Fund (was TC)	0	\$175,000	2.39	0
	89233118FNA000022 Total			\$275,000	2.39	0
	89233119FNA000037	Weapons Activities (WA) Primary Fund (was TC)	0	\$1,777,583	0	0
	89233119FNA000037 Total			\$1,777,583	0	0
	89233119FNA000039	Weapons Activities (WA) Primary Fund (was TC)	0	\$1,000	18.9	0
	89233119FNA000039 Total			\$1,000	18.9	0
	89233119FNA000041	Working Capital Fund (42 USC 5815) (was WF)	0	-\$85,091	1.4	0
	89233119FNA000041 Total			-\$85,091	1.4	0
	89233119FNA000043	Def. Env. Cleanup ORP Waste Treatment Plant 01-D-416(A-E) (OMB SF132 FY12)	0	\$310,402	7.37	0
	89233119FNA000043 Total			\$310,402	7.37	0
	89233119FNA000044	Federal Salaries and Expenses Primary Fund	0	\$1,606,438	3.15	0
	89233119FNA000044 Total			\$1,606,438	3.15	0
	89233119FNA000045	Federal Salaries and Expenses Primary Fund	0	\$152,355	3	0
	89233119FNA000045 Total			\$152,355	3	0
	89233119FNA000046	Federal Salaries and Expenses Primary Fund	0	\$2,329,482	7.3	0
	89233119FNA000046 Total			\$2,329,482	7.3	0
	89233119FNA000050	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$100,000	0	0
		Weapons Activities (WA) Primary Fund (was TC)	0	\$507,270	1.69	0
	89233119FNA000050 Total			\$607,270	1.69	0

Awardee Name / Vendor Name	Contract/Order Number	Fund Value and Description	Expired or Follow-On		Total FTEs for Active	Total FTEs for Expired
			Contract/Order Number	Total FY 21 Obligations	Contracts a	Contracts b
	89233119FNA000051	Weapons Activities (WA) Primary Fund (was TC)	0	\$6,525,000	7.18	0
	89233119FNA000051 Total			\$6,525,000	7.18	0
	89233119FNA000057	Federal Salaries and Expenses Primary Fund	0	\$989,365	4.62	0
	89233119FNA000057 Total			\$989,365	4.62	0
	89233119FNA000061	Weapons Activities (WA) Primary Fund (was TC)	0	\$0	2.75	0
	89233119FNA000061 Total			\$0	2.75	0
	89233120FNA000065	Weapons Activities (WA) Primary Fund (was TC)	0	\$0	4	0
	89233120FNA000065 Total			\$0	4	0
	89233120FNA000067	Weapons Activities (WA) Primary Fund (was TC)	0	\$1,097,903	8.05	0
	89233120FNA000067 Total			\$1,097,903	8.05	0
	89233120FNA000069	EERE Program Direction	0	\$29,291	0.91	0
	89233120FNA000069 Total			\$29,291	0.91	0
	89233120FNA000070	Weapons Activities (WA) Primary Fund (was TC)	0	\$2,700,000	4.3	0
	89233120FNA000070 Total			\$2,700,000	4.3	0
	89233120FNA000074	Federal Salaries and Expenses Primary Fund	0	\$50,000	0	0
		Weapons Activities (WA) Primary Fund (was TC)	0	\$50,000	2.67	0
	89233120FNA000074 Total			\$100,000	2.67	0
	89233120FNA000075	Federal Salaries and Expenses Primary Fund	0	\$51,000	1.05	0
	89233120FNA000075 Total			\$51,000	1.05	0
	89233121FNA000084	Weapons Activities (WA) Primary Fund (was TC)	0	\$1,512,768	6.4	0
	89233121FNA000084 Total			\$1,512,768	6.4	0
	89233121FNA000085	Weapons Activities (WA) Primary Fund (was TC)	0	\$555,165	0.56	0
	89233121FNA000085 Total			\$555,165	0.56	0
	89233121FNA000095	Federal Salaries and Expenses Primary Fund	0	\$589,872	1.31	0
	89233121FNA000095 Total			\$589,872	1.31	0
	DT0013131	Weapons Activities (WA) Primary Fund (was TC)	0	\$0	1.52	0
	DT0013131 Total			\$0	1.52	0
	DT0013499	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$24,000	1.09	0
	DT0013499 Total			\$24,000	1.09	0
	DT0013580	Weapons Activities (WA) Primary Fund (was TC)	0	-\$650,132	2.59	0
	DT0013580 Total			-\$650,132	2.59	0
PERATON INC.	89233119CNA000083	WA Reimbursable Work with Non-Federal Entities (was 2T)	0	\$0	3	0
	89233119CNA000083 Total			\$0	3	0
PERIKIN ENTERPRISES, LLC	89233118CNA000039	Federal Salaries and Expenses Primary Fund	0	\$102,618	1	0
	89233118CNA000039 Total			\$102,618	1	0
	89233119CNA000080	Federal Salaries and Expenses Primary Fund	0	\$90,000	2	0
	89233119CNA000080 Total			\$90,000	2	0

Awardee Name / Vendor Name	Contract/Order Number	Fund Value and Description	Expired or Follow-On		Total FTEs for Active	Total FTEs for Expired
			Contract/Order Number	Total FY 21 Obligations	Contracts a	Contracts b
	89233120FNA400291	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$1,902,145	9	0
	89233120FNA400291 Total			\$1,902,145	9	0
	89233120FNA400292	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$1,818,283	9	0
	89233120FNA400292 Total			\$1,818,283	9	0
PROJECT ENHANCEMENT CORPORATION						
	89233118FNA400114	Federal Salaries and Expenses Primary Fund	89233121FNA400393	\$138,706	0	5
	89233118FNA400114 Total	Expired requirement with a follow-on starting in FY21.		\$138,706	0	5
	89233120FNA400303	Weapons Activities (WA) Primary Fund (was TC)	0	\$949,759	8	0
		Weapons Activities Program Direction	0	\$860,959	0	0
	89233120FNA400303 Total			\$1,810,717	8	0
	89233121FNA400380	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	DT0011426	\$5,390,000	0	0
		WA Reimbursable Work with Other Federal Agencies (was 3T)	DT0011426	\$30,000	39	0
	89233121FNA400380 Total	Follow-on for FY21 expired contract.		\$5,420,000	39	0
	89233121FNA400393	Federal Salaries and Expenses Primary Fund	89233118FNA400114	\$980,000	5	0
	89233121FNA400393 Total	Follow-on for FY21 expired contract.		\$980,000	5	0
	DT0011426	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	89233121FNA400380	\$13,399,153	0	39
	DT0011426 Total	Expired requirement with a follow-on starting in FY21.		\$13,399,153	0	39
RADUS SOFTWARE LLC	89233121CNA000189	Weapons Activities (WA) Primary Fund (was TC)	0	\$512,885	1.25	0
	89233121CNA000189 Total			\$512,885	1.25	0
RED RIVER COMPUTER CO., INC.	89233120FNA400304	Weapons Activities (WA) Primary Fund (was TC)	0	\$3,983,333	1	0
	89233120FNA400304 Total			\$3,983,333	1	0
RHINOCORPS LTD CO	89233121CNA000219	Weapons Activities (WA) Primary Fund (was TC)	0	\$300,000	12	0
	89233121CNA000219 Total			\$300,000	12	0
	NA0003782	Weapons Activities (WA) Primary Fund (was TC)	0	\$415,000	15	0
	NA0003782 Total			\$415,000	15	0
RIVIDUM INC.	89233121FNA400361	Federal Salaries and Expenses Primary Fund	0	\$1,540,324	11	0
	89233121FNA400361 Total			\$1,540,324	11	0
SIGMA SCIENCE INC	89233118FNA400089	Weapons Activities (WA) Primary Fund (was TC)	0	-\$3,644	1	0
	89233118FNA400089 Total			-\$3,644	1	0
	89233119FNA400172	Federal Salaries and Expenses Primary Fund	0	-\$114,056	10	0
	89233119FNA400172 Total			-\$114,056	10	0
	89233119FNA400185	Weapons Activities (WA) Primary Fund (was TC)	89233121FNA400367	-\$9,665	0	1
	89233119FNA400185 Total	Expired requirement with a follow-on starting in FY21.		-\$9,665	0	1
	89233119FNA400186	Weapons Activities (WA) Primary Fund (was TC)	0	\$827,559	1	0
	89233119FNA400186 Total			\$827,559	1	0
	89233119FNA400188	Weapons Activities (WA) Primary Fund (was TC)	89233121FNA400367	-\$17,907	0	1
	89233119FNA400188 Total	Expired requirement with a follow-on starting in FY21.		-\$17,907	0	1

Awardee Name / Vendor Name	Contract/Order Number	Fund Value and Description	Expired or Follow-On		Total FTEs for Active	Total FTEs for Expired
			Contract/Order Number	Total FY 21 Obligations	Contracts a	Contracts b
	89233119FNA400189	Weapons Activities (WA) Primary Fund (was TC)	89233121FNA400367	-\$15,103	0	1
	89233119FNA400189 Total	Expired requirement with a follow-on starting in FY21.		-\$15,103	0	1
	89233119FNA400195	Federal Salaries and Expenses Primary Fund		0	\$210,750	0
		Weapons Activities (WA) Primary Fund (was TC)		0	\$0	1
	89233119FNA400195 Total			\$210,750	1	0
	89233119FNA400196	Weapons Activities (WA) Primary Fund (was TC)	89233121FNA400378	-\$563,752	0	0
	89233119FNA400196 Total	Expired requirement with a follow-on starting in FY21.		-\$563,752	0	0
	89233119FNA400205	Federal Salaries and Expenses Primary Fund		0	\$1,290,134	6
	89233119FNA400205 Total			\$1,290,134	6	0
	89233121FNA400336	Weapons Activities (WA) Primary Fund (was TC)		0	\$1,307,691	9
	89233121FNA400336 Total			\$1,307,691	9	0
			89233119FNA400185, 89233119FNA400188, & 89233119FNA400189	\$859,336	3	0
	89233121FNA400367	Weapons Activities (WA) Primary Fund (was TC)	89233119FNA400189	\$859,336	3	0
	89233121FNA400367 Total	Follow-on for FY21 expired contract.		\$859,336	3	0
	89233121FNA400368	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	BP0004432	\$1,180,000	0	0
		Weapons Activities (WA) Primary Fund (was TC)	BP0004432	\$6,067,700	23	0
	89233121FNA400368 Total	Follow-on for FY21 expired contract.		\$7,247,700	23	0
	89233121FNA400378	Weapons Activities (WA) Primary Fund (was TC)	89233119FNA400196	\$492,410	1	0
	89233121FNA400378 Total	Follow-on for FY21 expired contract.		\$492,410	1	0
SOUTHWEST RESEARCH INSTITUTE	89233120CNA000127	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)		0	\$14,576,000	32
	89233120CNA000127 Total				\$14,576,000	32
STARFIRE INDUSTRIES LLC	89233121CNA000229	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)		0	\$1,045,449	2
	89233121CNA000229 Total				\$1,045,449	2
STRATIVIA LLC	89233121CNA000179	Federal Salaries and Expenses Primary Fund		0	\$315,103	3
	89233121CNA000179 Total				\$315,103	3
STREET LEGAL INDUSTRIES, INC	89233121CNA000173	Federal Salaries and Expenses Primary Fund		0	\$632,000	6
	89233121CNA000173 Total				\$632,000	6
SUMMIT EXERCISES AND TRAINING LLC	89233118FNA400091	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)		0	\$2,163,237	0
		WA Reimbursable Work with Other Federal Agencies (was 3T)		0	\$375,000	10
	89233118FNA400091 Total				\$2,538,237	10
SYSTEMATIC MANAGEMENT SERVICES INC	89233120FNA400309	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)		0	\$6,865,813	23
	89233120FNA400309 Total				\$6,865,813	23
TECHNOLOGY VENTURES INC	89233119CNA000098	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)		0	\$759,954	4
	89233119CNA000098 Total				\$759,954	4

Awardee Name / Vendor Name	Contract/Order Number	Fund Value and Description	Expired or Follow-On		Total FTEs for Active	Total FTEs for Expired	
			Contract/Order Number	Total FY 21 Obligations	Contracts a	Contracts b	
TECHNOMICS INC	89233118FNA400047	Federal Salaries and Expenses Primary Fund		0	\$1,910,890	7	0
	89233118FNA400047 Total				\$1,910,890	7	0
	89233119FNA400217	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)		0	\$389,174	0	0
		Federal Salaries and Expenses Primary Fund		0	\$74,146	0	0
		Weapons Activities (WA) Primary Fund (was TC)		0	\$2,614,882	8	0
	89233119FNA400217 Total				\$3,078,201	8	0
	89233120FNA400261	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)		0	\$1,162,982	0	0
		Weapons Activities (WA) Primary Fund (was TC)		0	\$6,231,101	18	0
	89233120FNA400261 Total				\$7,394,083	18	0
	89233121FNA400398	Weapons Activities (WA) Primary Fund (was TC)		0	\$100,000	7	0
	89233121FNA400398 Total				\$100,000	7	0
TECHSOURCE INC	89233119FNA400223	Weapons Activities (WA) Primary Fund (was TC)		0	\$978,822	1.32	0
	89233119FNA400223 Total				\$978,822	1.32	0
	89233120FNA400310	Weapons Activities (WA) Primary Fund (was TC)		0	\$1,400,015	4	0
	89233120FNA400310 Total				\$1,400,015	4	0
	89233120FNA400321	Weapons Activities (WA) Primary Fund (was TC)		0	\$1,575,000	15.5	0
	89233120FNA400321 Total				\$1,575,000	15.5	0
	89233120FNA400322	Weapons Activities (WA) Primary Fund (was TC)		0	\$4,039,027	10	0
	89233120FNA400322 Total				\$4,039,027	10	0
	89233121FNA400330	Weapons Activities (WA) Primary Fund (was TC)	DT0013256		\$1,500,000	4.5	0
	89233121FNA400330 Total	Follow-on for FY21 expired contract.			\$1,500,000	4.5	0
	89233121FNA400340	Weapons Activities (WA) Primary Fund (was TC)	DT0013337		\$1,257,891	3.5	0
	89233121FNA400340 Total	Follow-on for FY21 expired contract.			\$1,257,891	3.5	0
	89233121FNA400357	Weapons Activities (WA) Primary Fund (was TC)		0	\$4,902,112	35	0
	89233121FNA400357 Total				\$4,902,112	35	0
	89233121FNA400374	Weapons Activities (WA) Primary Fund (was TC)	DT0013591		\$947,000	2.5	0
	89233121FNA400374 Total	Follow-on for FY21 expired contract.			\$947,000	2.5	0
	89233121FNA400375	Weapons Activities (WA) Primary Fund (was TC)	DT0014080		\$2,595,000	7.13	0
	89233121FNA400375 Total	Follow-on for FY21 expired contract.			\$2,595,000	7.13	0
	BP0004432	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	89233121FNA400368		\$180,696	0	23
		Weapons Activities (WA) Primary Fund (was TC)	89233121FNA400368		\$1,860,000	0	0
	BP0004432 Total	Expired requirement with a follow-on starting in FY21.			\$2,040,696	0	23
	DT0011895	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)		0	\$1,030,000	3.5	0
	DT0011895 Total				\$1,030,000	3.5	0

Awardee Name / Vendor Name	Contract/Order Number	Fund Value and Description	Expired or Follow-On		Total FTEs for Active		Total FTEs for Expired	
			Contract/Order Number	Total FY 21 Obligations	Contracts a	Contracts b		
	DT0012050	Weapons Activities (WA) Primary Fund (was TC)	0	\$206,972	4.5	0		
	DT0012050 Total			\$206,972	4.5	0		
	DT0012554	Weapons Activities (WA) Primary Fund (was TC)	0	\$0	3	0		
	DT0012554 Total			\$0	3	0		
	DT0013032	Weapons Activities (WA) Primary Fund (was TC)	0	\$1,624,064	9.5	0		
	DT0013032 Total			\$1,624,064	9.5	0		
	DT0013256	Weapons Activities (WA) Primary Fund (was TC)	89233121FNA400330	\$0	0	4.5		
	DT0013256 Total	Expired requirement with a follow-on starting in FY21.		\$0	0	4.5		
	DT0013337	Weapons Activities (WA) Primary Fund (was TC)	89233121FNA400340	\$0	0	3		
	DT0013337 Total	Expired requirement with a follow-on starting in FY21.		\$0	0	3		
	DT0013591	Weapons Activities (WA) Primary Fund (was TC)	89233121FNA400374	\$303,000	0	4		
	DT0013591 Total	Expired requirement with a follow-on starting in FY21.		\$303,000	0	4		
	DT0014080	Weapons Activities (WA) Primary Fund (was TC)	89233121FNA400375	\$505,000	0	11		
	DT0014080 Total	Expired requirement with a follow-on starting in FY21.		\$505,000	0	11		
TETRA TECH INC	89233119FNA400183	Weapons Activities (WA) Primary Fund (was TC)	0	\$0	2.4	0		
	89233119FNA400183 Total			\$0	2.4	0		
	89233120FNA400272	Weapons Activities (WA) Primary Fund (was TC)	0	\$1,454,931	9	0		
	89233120FNA400272 Total			\$1,454,931	9	0		
THE A R GROUP LLP	89233119FNA400174	Federal Salaries and Expenses Primary Fund	0	\$25,000	0	0		
	89233119FNA400174 Total			\$25,000	0	0		
THE MITRE CORPORATION	89233120FNA400300	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$0	1.5	0		
	89233120FNA400300 Total			\$0	1.5	0		
TI VERBATIM CONSULTING INC.	89233121FNA400390	Federal Salaries and Expenses Primary Fund	0	\$200,000	3	0		
	89233121FNA400390 Total			\$200,000	3	0		
TIBARAY, INC.	89233121CNA000226	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$2,407,514	3.5	0		
	89233121CNA000226 Total			\$2,407,514	3.5	0		
TIERRA RIGHT OF WAY SERVICES, LTD.	89233120PNA000093	Weapons Activities (WA) Primary Fund (was TC)	0	-\$29,456	0.75	0		
	89233120PNA000093 Total			-\$29,456	0.75	0		
	89233121PNA000112	Weapons Activities (WA) Primary Fund (was TC)	0	\$202,686	5	0		
	89233121PNA000112 Total			\$202,686	5	0		
TUVA, LLC	NA0003424	Weapons Activities (WA) Primary Fund (was TC)	0	\$4,900,000	63	0		
	NA0003424 Total			\$4,900,000	63	0		
VECTOR RESOURCE INC	89233118FNA400001	Weapons Activities (WA) Primary Fund (was TC)	89233121FNA400386	\$369,000	0	4		
	89233118FNA400001 Total	Expired requirement with a follow-on starting in FY21.		\$369,000	0	4		
	89233118FNA400013	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$0	0	0		
		Weapons Activities (WA) Primary Fund (was TC)	0	\$0	3.5	0		
	89233118FNA400013 Total			\$0	3.5	0		

Awardee Name / Vendor Name	Contract/Order Number	Fund Value and Description	Expired or Follow-On		Total FTEs for Active		Total FTEs for Expired
			Contract/Order Number	Total FY 21 Obligations	Contracts a	Contracts b	
	89233118FNA400053	Federal Salaries and Expenses Primary Fund	0	\$1,400,000	5	0	
	89233118FNA400053 Total			\$1,400,000	5	0	
	89233119FNA400239	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$0	3.5	0	
	89233119FNA400239 Total			\$0	3.5	0	
	89233120FNA400281	Weapons Activities (WA) Primary Fund (was TC)	0	\$1,152,532	5	0	
	89233120FNA400281 Total			\$1,152,532	5	0	
	89233121FNA400328	Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	0	\$234,088	6	0	
		Weapons Activities (WA) Primary Fund (was TC)	0	\$1,898,316	0	0	
	89233121FNA400328 Total			\$2,132,404	6	0	
	89233121FNA400386	Weapons Activities (WA) Primary Fund (was TC)	89233118FNA400001	\$1,800,000	4	0	
	89233121FNA400386 Total	Follow-on for FY21 expired contract.		\$1,800,000	4	0	
	DT0012586	Weapons Activities (WA) Primary Fund (was TC)	0	\$10,632,000	33.1	0	
	DT0012586 Total			\$10,632,000	33.1	0	
WYANT DATA SYSTEMS, INC	89233119FNA400230	Weapons Activities (WA) Primary Fund (was TC)	0	\$846,055	6.5	0	
	89233119FNA400230 Total			\$846,055	6.5	0	
Grand Total				\$276,398,492	1328	131	

^a Active or Follow-on for FY 2021 expired contract.

^b Expired Requirement with a Follow-on starting in FY 2021.

NNSA Support Service Contracts NDAAs Annual Report on SSC (Active throughout FY 2021) Summary of Original Fund Value Categories _ Total amount obligated from Individual Contracts above	
Subtotals for all Fund Values Reported above for Individual Contracts	Sum of FY21 Obligations
DA Primary Fund	\$50,000
FY12)	\$310,402
Closure Projects thru FY03; Defense Site Acceleration Completion thru FY06)	\$65,000
Defense Nuclear Nonproliferation (DNN) Primary Fund (was NS)	\$73,833,384
EERE Program Direction	\$29,291
Federal Salaries and Expenses Primary Fund	\$26,467,044
Other Defense Activities (ODA) Primary Fund (was TF)	\$50,000
Transfers Activity - DOE PAC Phase II (Admin) (was YY)	\$50,000
WA Program Direction	\$0
WA Reimbursable Work with Non-Federal Entities (was 2T)	\$249,602
WA Reimbursable Work with Other Federal Agencies (was 3T)	\$2,253,959
Weapons Activities (WA) Primary Fund (was TC)	\$170,813,894
Weapons Activities Program Direction	\$2,311,007
Working Capital Fund (42 USC 5815) (was WF)	-\$85,091
Grand Total	\$276,398,492