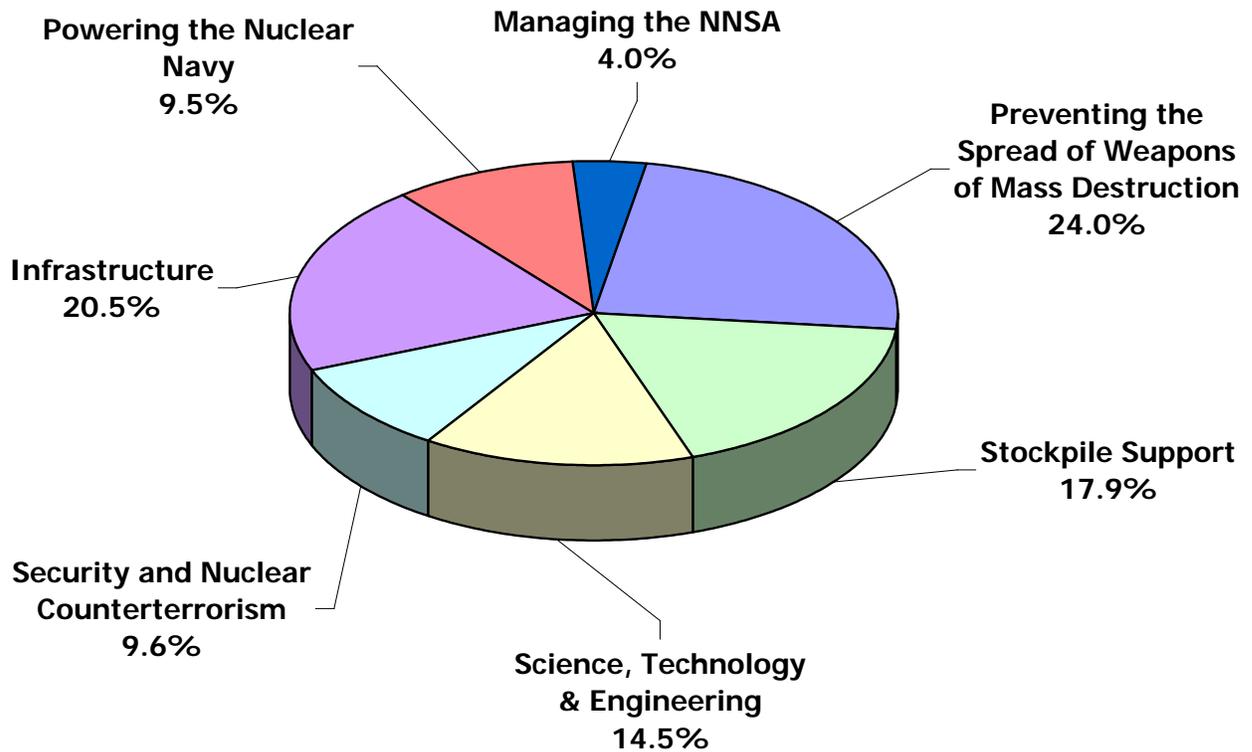


## National Nuclear Security Administration FY 2011 – FY 2015 Budget Outlook



The FY 2011 Request for the **National Nuclear Security Administration (NNSA)** is \$11.2 billion, an increase of 13.4 percent from the enacted FY 2010 appropriation. Outyear projections are consistent with this level to meet the requirements for significant long term investments in the nuclear security enterprise deliverables, capabilities and infrastructure.

The **Weapons Activities** appropriation programs are requested at \$7,009 million, an increase of \$624 million from FY 2010, reflecting the President's commitment to maintain the safety, security and effectiveness of the nuclear deterrent without underground nuclear testing, consistent with the principles of the Stockpile Management Program outlined in Section 3113(a)(2) of the National Defense Authorization Act for Fiscal Year 2010 (50 U.S.C. 2524). The request supports:

- **Stockpile Support** activities (Directed Stockpile Work, Readiness Campaign) are requested at \$2,010 million, an increase of \$405 million (25%) from FY 2010, providing for the safety, security, and effectiveness of the nuclear weapons stockpile. Increases support scale-up to full production of the W76 LEP by the end of FY 2013 to meet the NNSA commitment to the DoD; a life extension study of the B61; a study to explore future options and approaches to maintaining the W78 warhead; and maintenance, surveillance and certification for all weapon systems.
- **Science, Technology and Engineering** (Science Campaign, Engineering Campaign, Inertial Confinement Fusion and High Yield Campaign, Advanced Simulation and Computing Campaign, Science, Technology and Engineering Capability) activities are requested at \$1,624 million, an increase of \$153 million (10.4%) from FY 2010, providing sufficient funds for the science and technology that support stockpile assessment and certification in the absence of nuclear testing, as well as enhancing technologies that support broader national security and energy missions. The ICF campaign increases for experimental activities as NIF moves toward ignition.
- **Infrastructure** (Readiness in Technical Base and Facilities, Secure Transportation Asset, Facilities and Infrastructure Recapitalization Program, and Site Stewardship) activities are requested at \$2,024 million, an increase of \$151 million (4.7%) from FY 2010. Includes funding for major long-term construction projects

needed to restore critical capabilities in plutonium and uranium. Increases in Site Stewardship are largely the result of regulatory concerns and implementation of new packaging requirements for LLNL TRU waste.

- **Security and Nuclear Counterterrorism** (Defense Nuclear Security, Cyber Security, and Nuclear Counterterrorism Incident Response) activities are requested at \$1,077 million, a decrease of \$36 million (-3.3%) from FY 2010. The decrease is driven by efficiencies that will be achieved through risk-informed decisions identified through the Defense Nuclear Security Zero-Based Security Review which were balanced with the Graded Security Protection Policy. There are minor increases in Cyber Security to support Technology Application Development through the implementation of risk mitigation processes complex-wide, and a 5% increase in Nuclear Counterterrorism Incident Response for Nuclear Forensics and R&D for combating nuclear terrorism.

**Preventing the Spread of Weapons of Mass Destruction (Defense Nuclear Nonproliferation)** programs are requested at \$2,687 million, an overall 25.7 percent increase from the FY 2010 appropriation reflecting the President's April 5, 2009 Prague commitment to secure all vulnerable nuclear material within four years and consolidating the disposition of dangerous nuclear weapons materials into one account.. The request supports:

- **Nonproliferation and Verification R&D** request is \$351.6 million, an increase of \$34.3 million (10.7 %) from the FY 2010 level, to support testing & evaluation of new technologies at the Nevada Test Site in support of treaty monitoring and verification.
- **Nonproliferation and International Security** request is \$155.9 million, a decrease of \$31.3 million (-16.6%) from FY 2010 resulting from a reduction to Democratic People's Republic of Korea activities and operational efficiencies
- **International Materials Protection, Control and Cooperation** is requested at \$590 million, an increase of \$18.1 million (3.1%) to secure vulnerable nuclear materials around the world in four years. The activities include MPC&A at Rosatom Weapons Complex sites added after Bratislava Agreement, and additional sustainability efforts.
- **Fissile Materials Disposition** request is \$1,030.7 million, an increase of \$328.8 million (46.8 %) to continue domestic construction of the MOX Fuel Fabrication Facility and related facilities in support of U.S. plutonium disposition activities. Includes funding for the PDC facility, transferred from Weapons Activities. Also includes \$100 million of a \$400 million commitment to support Russian plutonium disposition activities.
- **Global Threat Reduction Initiative** is requested at \$558.8 million, an increase of \$225.3 million (68%) from FY 2010. Most of this increase results from additional funding for 4 additional HEU Reactor Conversions, and acceleration of removal or disposition of high-priority vulnerable nuclear materials from the out years into FY 2011.

**Powering the Nuclear Navy (Naval Reactors)** program is requested at \$1,070.5 million, an increase of \$125.4 million (13.3%) to fund several initiatives, including continuation of design and development work for the OHIO-class ballistic missile submarine replacement and the refueling of the S8G land-based nuclear prototype located in upstate New York. The increase also provides for conceptual design and NEPA efforts in support of recapitalization of the Program's spent nuclear fuel infrastructure. Additional planning and design work is necessary to refuel, overhaul, and modernize the land-based prototype.

**Managing the NNSA (Office of the Administrator)** program direction is requested at \$448.3 million, an increase of \$28 million (6.4%) attributable to payroll escalation including the projected cost of living adjustment and performance base salary increases, fully funding all NNSA site office space requirements, new building maintenance and lease requirements at the Service Center, and NNSA international expansion under the Defense Nuclear Nonproliferation programs. The Historically Black Colleges and Universities/Hispanic Serving Institutions programs will continue through FY 2011 with both OA (\$4.7 million) and NNSA program funding (up to \$10 million).

## NNSA Budget Summary

(dollars in thousands)

	FY 2009 Actual Appropriation	FY 2010 Current Appropriation	FY 2011 Request
<b>National Nuclear Security Administration</b>			
Office of the Administrator	439,190	420,754	448,267
Weapons Activities	6,410,000	6,384,431	7,008,835
Defense Nuclear Nonproliferation	1,544,684	2,136,709	2,687,167
[non-add MOX Project funded in other appropriations]	[278,879]	N/A	N/A
Naval Reactors	828,054	945,133	1,070,486
<b>Total, NNSA</b>	<b>9,221,928</b>	<b>9,887,027</b>	<b>11,214,755</b>

## NNSA Future-Years Nuclear Security Program (FYNSP)

(dollars in thousands)

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
<b>NNSA</b>					
Office of the Administrator	448,267	426,424	430,726	435,069	448,498
Weapons Activities	7,008,835	7,032,672	7,082,146	7,400,966	7,648,200
Defense Nuclear Nonproliferation	2,687,167	2,507,191	2,715,191	2,833,243	2,956,328
Naval Reactors	1,070,486	1,099,734	1,171,178	1,226,017	1,310,530
<b>Total, NNSA</b>	<b>11,214,755</b>	<b>11,066,021</b>	<b>11,399,241</b>	<b>11,895,295</b>	<b>12,363,556</b>