

National Nuclear Security Administration



FY 2015-2019 Congressional Budget Request

March 4, 2014



Strategic Message from the Administrator



“NNSA has an enduring responsibility to steward the taxpayers’ dollar effectively and efficiently, and we simply must do better. Therefore, NNSA is looking at ways to improve our governance through a public interest model that will incentivize mission effective and cost efficient solutions to the most high risk nuclear security challenges facing our country.”

Edward Bruce Held
Acting Administrator





Department of Energy (DOE) Mission and Goals



Enhance U.S. security and economic growth through transformative science, technology innovation, and market solutions to meet our energy, nuclear security, and environmental challenges.

DOE Goals

Science and Energy

Goal 1: *Advance foundational science, innovate energy technologies, and inform data driven policies that enhance U.S. economic growth and job creation, energy security, and environmental quality, with emphasis on implementation of the President's Climate Action Plan to mitigate the risks of and enhance resilience against climate change*

Secure Our Nation

Goal 2: *Enhance national security by maintaining and modernizing the nuclear stockpile and nuclear security infrastructure, reducing global nuclear threats, providing for nuclear propulsion, improving physical and cybersecurity, and strengthening key science, technology, and engineering capabilities*

Management and Performance

Goal 3: *Position the Department of Energy to meet the challenges of the 21st century and the nation's Manhattan Project and Cold War legacy responsibilities by employing effective management and refining operational and support capabilities to pursue departmental missions*



NNSA Key Mission Areas & Objectives



- ***Manage the Nuclear Weapons Stockpile*** by completing life extension programs and through robust surveillance and assessment activities, both enabled by investments in the science, technology, and engineering base;
- ***Reduce Global Nuclear Dangers*** by securing the most vulnerable nuclear materials worldwide; strengthening the nonproliferation regime; and maintaining emergency response, counterterrorism and counterproliferation capabilities;
- ***Advance Naval Nuclear Propulsion*** by supporting the existing nuclear-powered fleet; developing the next generation reactor plant technology for the replacement to the Ohio-class submarine; and refueling the land-based prototype;
- ***Strengthen the Science, Technology, and Engineering Base*** that underpin current mission needs and to deal with broader national security challenges for the country;
- ***Modernize the NNSA Infrastructure*** to ensure that the core capabilities are in place to meet mission requirements for the long-term and to create a 21st century national nuclear security enterprise; and,
- ***Drive an Integrated and Effective Enterprise*** through the application of improved governance and business models and the recruitment and retention of highly talented Federal nuclear security professionals.



NNSA Budget Summary



(\$ in thousands)

	FY 2013 Current	FY 2014 Enacted	FY 2015 Request	\$ Change vs FY 2014	% Change vs FY 2014
Weapons Activities	6,966,855	7,781,000	8,314,902	533,902	6.9%
Defense Nuclear Nonproliferation	2,237,420	1,954,000	1,555,156	-398,844	-20.4%
Naval Reactors	994,118	1,095,000	1,377,100	282,100	25.8%
NNSA Federal Salaries & Expenses	377,457	377,000	410,842	33,842	9.0%
Total	10,575,789*	11,207,000	11,658,000	451,000	4.0%

* Includes Rescission for Cerro Grande



NNSA Future-Years Nuclear Security Program (FYNSP)



(\$ in thousands)

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Weapons Activities	8,314,902	8,907,239	9,261,422	9,476,640	9,702,327
Defense Nuclear Nonproliferation	1,555,156	1,694,479	1,700,815	1,734,831	1,743,505
Naval Reactors	1,377,100	1,271,496	1,303,120	1,334,751	1,366,387
NNSA Federal Salaries & Expenses	410,842	408,786	416,643	424,778	434,781
Total	11,658,000	12,282,000	12,682,000	12,971,000	13,247,000



NNSA Budget Highlights



- **Supports key Presidential priorities outlined in the Nuclear Posture Review (NPR) to modernize the stockpile and enterprise infrastructure and to prevent nuclear proliferation and terrorism by:**
 - Supporting key Life Extension Programs and priority infrastructure investments including the Uranium Processing Facility;
 - Preventing nuclear proliferation and terrorism by securing nuclear material at home and abroad, developing and fielding technologies to deter or detect proliferation, and implementing international nonproliferation regulatory controls;
 - o Places the MOX project in cold stand-by to further study more efficient options for plutonium disposition
 - Sustains emergency response and nuclear counterterrorism capabilities against a wide range of nuclear or radiological incidents and threats.
- **Supports three major initiatives of Naval Reactors: *Ohio*-class Replacement, refueling of the Land-Based Prototype reactor, and the Spent Fuel Handling Recapitalization Project .**
- **Sustains physical security and increases cybersecurity to support effective operations**
- **Identifies key mission and supporting infrastructure activities, for the “*Opportunity, Growth and Security Initiative (OGSI)*”**
 - OGSI supports the President’s broad vision for investing in growth, opportunity, and national security and advancing important Presidential goals while respecting the budgetary consensus developed under the Bipartisan Budget Agreement of December 2013.



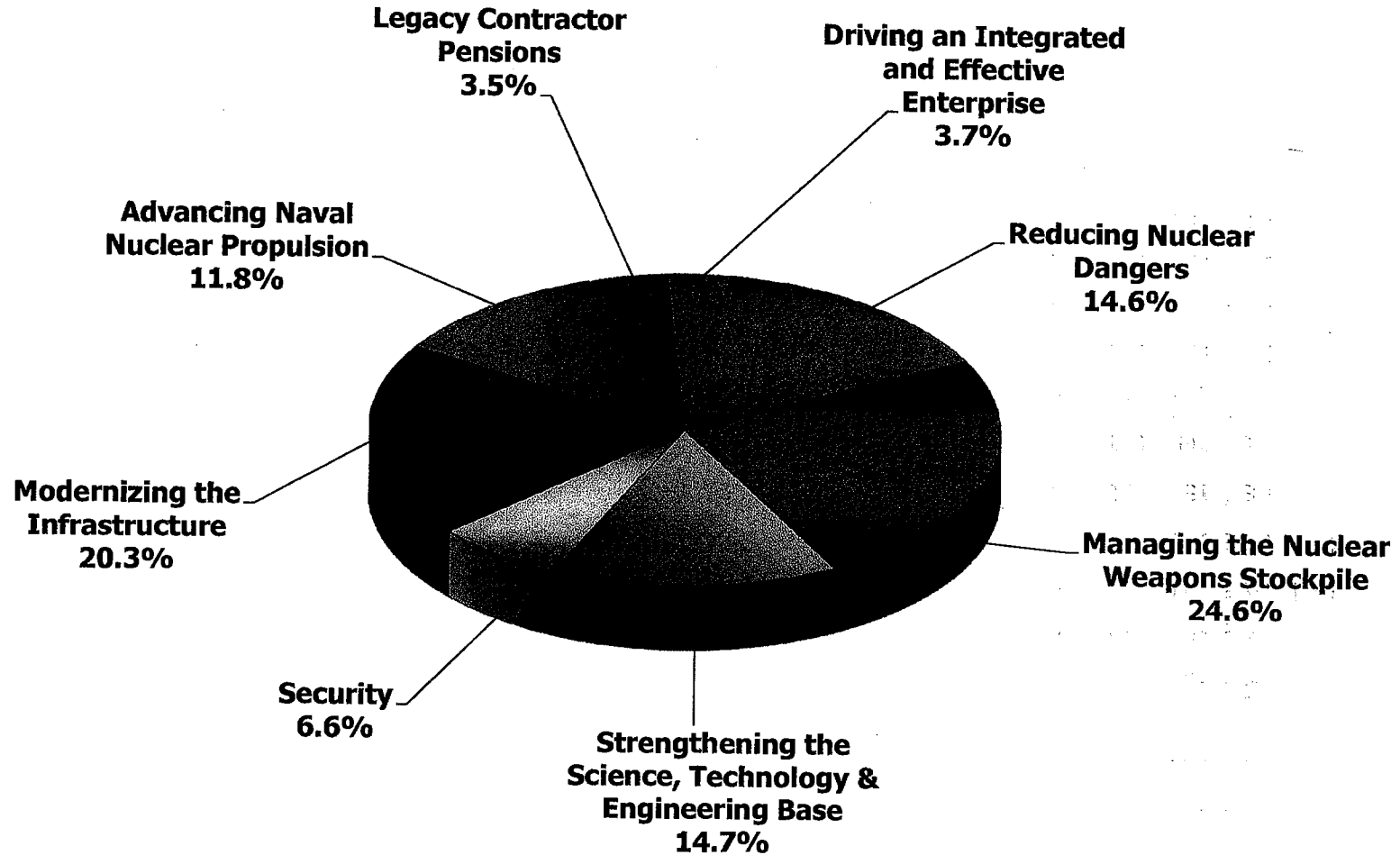
DOE/NNSA-DoD Coordination



- **Building on last year's jointly conducted planning process for nuclear weapons modernization activities, DOE/NNSA and DoD agreed on a prioritized plan to meet requirements within current fiscal constraints of the Bipartisan Budget Act.**
- **The Administration has a prioritized plan to meet the key stockpile stewardship and management objectives in a fiscally constrained environment.**
- **Specifically, the FY 2015-19 Budget proposal:**
 - Completes production of the W76-1 warhead by FY 2019
 - Achieves the B61-12 LEP First Production Unit (FPU) by FY 2020
 - Achieves the W88 ALT 370 FPU by FY 2020
 - Defers the W78/88-1LEP FPU by five years to FY 2030
 - Delays the Long-Range Standoff warhead FPU by three years to FY 2027 while evaluating the option to fund an earlier FPU if circumstances dictate
 - Continues funding engineering design for the Uranium Processing Facility and to study alternative approaches
 - Continues implementing the Plutonium Strategy to better align with DoD requirements while reducing safety risk in CMR and PF-4

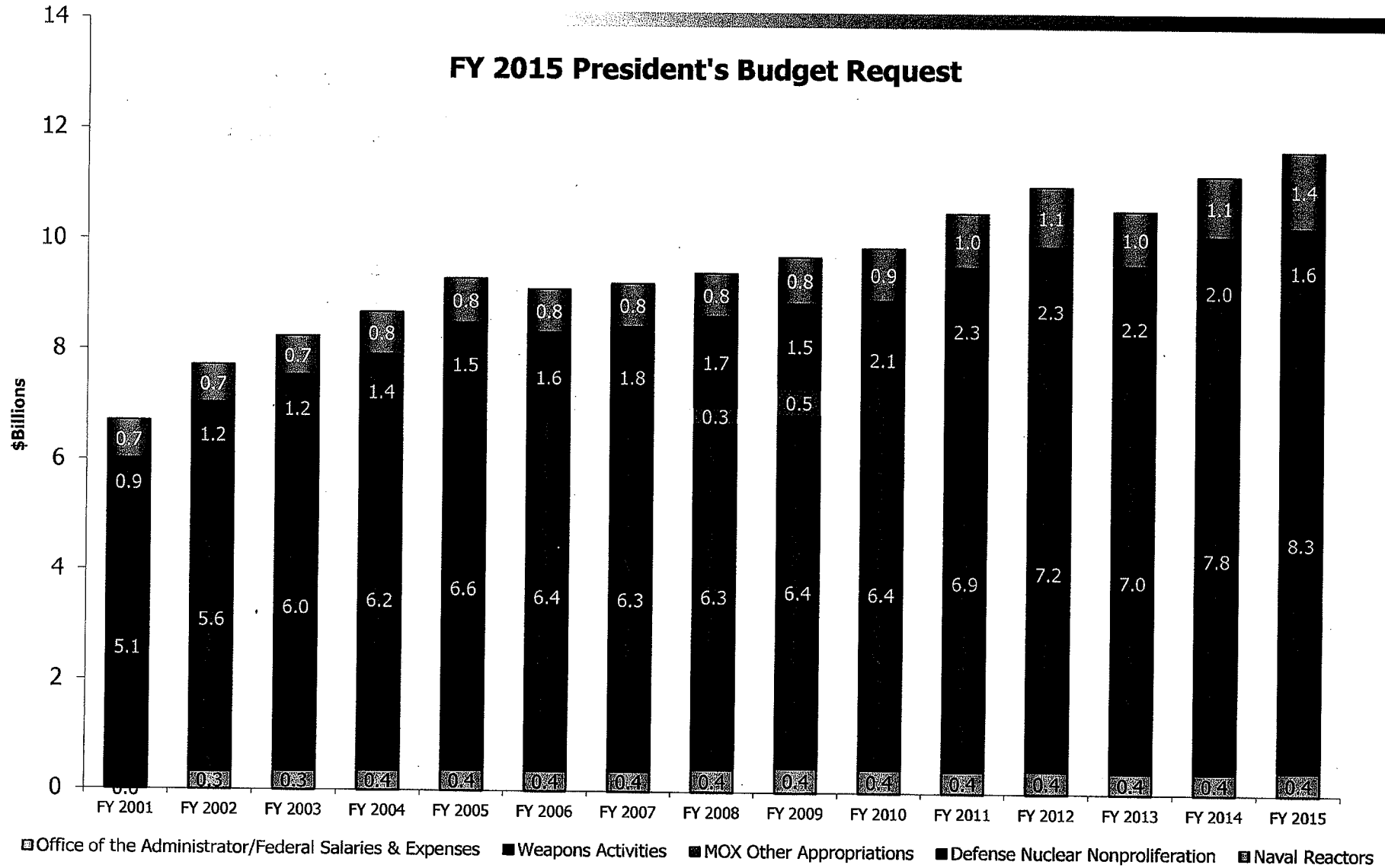


FY 2015 Budget Request = \$11.7 Billion





NNSA Appropriations History FY 2001 – FY 2015





NNSA Site Funding Estimates FY 2015 Congressional Budget

(\$ in Millions)



Site	FY 2013 Current	FY 2014 Enacted	FY 2015 Request	\$ Change vs FY 2014	% Change vs FY 2014
Kansas City Field Office	478.2	570.6	620.1	+49.4	+8.7%
Kansas City Plant	471.2	563.9	613.3	+49.3	+8.7%
Kansas City Field Office	7.0	6.7	6.8	+0.1	+0.8%
Livermore Field Office	1,114.7	1,080.7	1,120.9	+40.2	+3.7%
Lawrence Livermore National Laboratory	1,096.9	1,063.4	1,103.5	+40.1	+3.8%
Livermore Field Office	17.8	17.3	17.4	+0.1	+0.9%
Los Alamos Field Office	1,552.5	1,624.9	1,618.9	-6.0	-0.4%
Los Alamos National Laboratory	1,536.0	1,609.1	1,603.0	-6.1	-0.4%
Los Alamos Field Office	16.5	15.8	15.9	+0.1	+0.9%
NNSA Production Office	573.2	618.3	651.0	+32.6	+5.3%
NNSA Production Office	28.8	27.5	33.8	+6.2	+22.7%
Pantex Plant	544.4	590.8	617.2	+26.4	+4.5%
Y-12 National Security Complex	1,110.7	1,150.1	1,164.7	+14.7	+1.3%
Nevada Field Office	423.7	407.7	380.7	-27.0	-6.6%
Nevada National Security Site	335.8	317.0	292.5	-24.5	-7.7%
Nevada Field Office	87.9	90.7	88.2	-2.5	-2.8%
Sandia Field Office	1,433.4	1,580.6	1,687.6	+107.0	+6.8%
Sandia National Laboratories	1,418.0	1,564.9	1,671.7	+106.9	+6.8%
Sandia Field Office	15.4	15.7	15.9	+0.1	+0.8%
Savannah River Operations Office	808.3	721.8	555.8	-165.9	-23.3%
Savannah River Operations Office	458.5	384.9	229.4	-155.4	-40.4%
Savannah River Site	344.9	330.8	319.6	-11.2	-3.4%
Savannah River Site Office	4.9	6.1	6.8	+0.7	+10.6%