

# Nuclear Watch New Mexico

## Compilation of NNSA FY 2014 Budget Request

(All numbers in thousands of US dollars)

<b>Nuclear Weapons Activities</b>	<b>FY 2012 Actual</b>	<b>FY 2013 Cont. Resolution</b>	<b>FY 2014 Request</b>	<b>FY13-FY14 ±%</b>
<b>Total Weapons Activities</b>	<b>7,214,834</b>	<b>7,557,342</b>	<b>7,868,409</b>	<b>4.1% (a)</b>
<b>Directed Stockpile Work</b>	<b>1,862,113</b>	<b>2,111,274</b>	<b>2,428,516</b>	<b>15.0%</b>
<b>Life Extension Programs and Major Alterations</b>	<b>379,467</b>	<b>566,931</b>	<b>1,014,604</b>	<b>79.0%</b>
W76 Life Extension Program	253,633	197,931	235,382	18.9%
B61 Life Extension Program	125,834	369,000	537,044	45.5%
W78/88-1 Life Extension Program	--	--	72,690	--
W88 ALT 370	--	--	169,487	--
<b>Stockpile systems</b>	<b>578,335</b>	<b>590,409</b>	<b>454,488</b>	<b>-23.0%</b>
B61 Stockpile Systems	169,407	72,364	83,536	15.4%
W78 Stockpile Systems	93,853	139,207	54,381	-60.9%
W87 Stockpile Services	83,943	85,689	101,506	18.5%
W88 Stockpile Stewardship	75,119	123,217	62,600	-49.2%
<b>Weapons Dismantlement and Disposition</b>	<b>55,881</b>	<b>51,265</b>	<b>49,264</b>	<b>-3.9%</b>
<b>Stockpile Services</b>	<b>848,430</b>	<b>902,669</b>	<b>910,160</b>	<b>0.8%</b>
Plutonium Sustainment	138,243	141,685	156,949	10.8%
<b>Campaigns</b>	<b>1,694,512</b>	<b>1,690,770</b>	<b>1,710,965</b>	<b>1.2%</b>
<b>Science Campaign</b>	<b>331,860</b>	<b>350,104</b>	<b>397,902</b>	<b>13.7%</b>
Advanced Certification	39,820	44,104	54,730	24.1%
Primary Assessment Technologies	85,119	94,000	109,231	16.2%
Dynamic Materials Properties	96,251	97,000	116,965	20.6%
Advanced Radiography	25,926	30,000	30,509	1.7%
Secondary Assessment Technologies	84,744	85,000	86,467	1.7%
<b>Engineering Campaign</b>	<b>141,803</b>	<b>150,571</b>	<b>149,911</b>	<b>-0.4%</b>
Enhanced Surety	41,488	46,421	51,771	11.5%
<b>Inertial Confinement Fusion Ignition and High Yield Campaign</b>	<b>474,484</b>	<b>465,000</b>	<b>401,043</b>	<b>-13.8%</b>
National Ignition Facility (NIF) diagnostics [& other diagnostics]	85,654	81,942	59,897	-26.9%
Facility Ops and Target Production (NIF, OMEGA, & Z)	264,845	269,691	232,678	-13.7%
<b>Advanced Simulation and Computing Campaign</b>	<b>617,959</b>	<b>595,000</b>	<b>564,329</b>	<b>-5.2%</b>
<b>Readiness Campaign</b>	<b>128,406</b>	<b>130,095</b>	<b>197,780</b>	<b>52.0%</b>
Tritium Readiness	63,475	65,414	91,695	40.2%
<b>Nuclear Programs (b)</b>	<b>--</b>	<b>--</b>	<b>744,405</b>	<b>--</b>
<b>Facility Design/Construction</b>	<b>515,966</b>	<b>434,322</b>	<b>449,510</b>	<b>3.5%</b>
LANL TRU Waste Facilities	11,220	27,201	30,315	11.4%
LANL TA-55 Reinvestment Phase II	11,500	10,020	32,462	224.0%
LANL Radioactive Liquid Waste Treatment Facility	698	1,640	57,898	3430.4%
Y-12 Uranium Processing Facility	160,194	340,000	328,835	-3.3%
LANL Chemistry & Metallurgy Research Replacement CMRR	200,000	0	--	--
<b>Readiness in Technical Base and Facilities (RTBF)</b>	<b>2,013,742</b>	<b>2,216,828</b>	<b>0 (c)</b>	<b>--</b>
<b>Site Stewardship</b>	<b>1,290,804</b>	<b>1,492,848</b>	<b>1,706,007</b>	<b>14.3%</b>
<b>Operations of Facilities</b>	<b>1,290,804</b>	<b>1,492,848</b>	<b>1,706,007</b>	<b>14.3%</b>
Kansas City Plant (KCP) Total	155,759	177,158	180,008	1.6%
Lawrence Livermore National Laboratory	88,744	97,887	220,053	124.8%
Los Alamos National Laboratory (LANL)	317,592	345,111	302,115	-12.5%
Nevada National Security Site	101,230	123,282	125,356	1.7%
Pantex (See Endnote d)	164,365	180,584	Not Available	Not Available
Sandia National Laboratory	120,354	176,495	170,555	-3.4%
Savannah River Site	97,480	122,513	128,786	5.1%
Y-12 National Security Complex (See Endnote d)	245,280	269,818	Not Available	Not Available

A pdf is available at: [http://nukewatch.org/economics/FY2014\\_NNSA\\_Budget\\_4-10-13\\_Print.pdf](http://nukewatch.org/economics/FY2014_NNSA_Budget_4-10-13_Print.pdf)

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(All numbers in thousands of US dollars)

	<i>FY 2012 Actual</i>	<i>FY 2013 Cont. Resolution</i>	<i>FY 2014 Request</i>	<i>FY13-FY14 +%</i>
<b>Secure Transportation Asset</b>	243,116	219,361	219,190	-0.1%
<b>Nuclear Counterterrorism Incident Response See (e)</b>	221,369	247,552	--	--
<b>Facilities and Infrastructure Recapitalization Program</b>	96,120	--	--	--
<b>Site Stewardship See (c)</b>	82,181	90,001	1,706,007	1795.5%
<b>Defense Nuclear Security See (c)</b>	692,079	674,504	--	--
<b>Cyber Security See (c)</b>	131,370	137,022	--	--
<b>Legacy Contractor Pensions</b>	168,232	185,000	279,597	51.1%

<b>Total, Defense Nuclear Nonproliferation</b>	<b>2,300,950</b>	<b>2,409,930</b>	<b>2,140,142</b>	<b>-11.2%</b>
<b>Verification R&amp;D</b>	347,905	456,317	388,838	-14.8%
<b>Nonproliferation and International Security</b>	153,594	154,534	141,675	-8.3%
<b>Int. Nuclear Materials Protection and Cooperation</b>	575,789	573,415	369,625	-35.5%
<b>Fissile Materials Disposition</b>	685,386	721,784	502,557	-30.4%
MOX Fuel Fabrication Facility at the Savannah River Site	435,172	437,835	320,000	-26.9%
Waste Solidification Building	17,582	49,894	--	--
Uranium Disposition	26,000	26,159	25,000	-4.4%
<b>Global Threat Reduction Initiative</b>	503,453	501,048	424,487	-15.3%
<b>Legacy Contractor Pensions</b>	55,823	56,165	93,703	66.8%

<b>Total, Naval Reactors</b>	<b>1,080,000</b>	<b>1,086,610</b>	<b>1,246,134</b>	<b>14.7%</b>
<b>Total, Office of the Administrator</b>	<b>410,000</b>	<b>412,509</b>	<b>397,784</b>	<b>-3.6%</b>

<b>Total, NNSA</b>	<b>11,005,784</b>	<b>11,466,391</b>	<b>11,652,469</b>	<b>1.6%</b>
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<b>DOE Defense Environmental Cleanup See (f)</b>	<b>5,002,847</b>	<b>5,033,568</b>	<b>4,853,909</b>	<b>-3.6%</b>
<b>DOE Energy Efficiency and Renewable Energy</b>	<b>1,780,548</b>	<b>1,820,713</b>	<b>2,775,700</b>	<b>52.5%</b>
<b>DOE Nuclear Energy</b>	<b>760,466</b>	<b>770,075</b>	<b>735,460</b>	<b>-4.5%</b>
<b>DOE Science</b>	<b>4,934,980</b>	<b>4,903,461</b>	<b>5,152,752</b>	<b>5.1%</b>

Note: Columns do not add up to totals because not all budget subcategories are included here, including Use of Prior Year Balances

Source: <http://www.cfo.doe.gov/budget/14budget/Content/approstat.pdf>

### Five-Year Projection NNSA Nuclear Weapons Activities

(in billions of dollars)

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Weapons Activities Total Including DoD Funds	7.67	8.55	8.79	8.93	9.29

Source: <http://www.whitehouse.gov/sites/default/files/omb/budget/fy2014/assets/doe.pdf>, Pg. 371

### Projected Total NNSA Funding Levels

(Budget Authority in billions of dollars)

year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2014-2018	2014-2023
NNSA	9.9	10.5	11.0	11.5	11.7	11.0	11.2	11.4	11.7	11.9	12.2	12.4	12.8	13.1	56.9	119.3

### Projected DOD Allocations to NNSA

year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2014-2018	2014-2023
Total to NNSA						1.19	1.44	1.60	1.67	1.70						14.81
Allocation to Weapons Activities						.95	1.13	1.13	1.27							
Allocation to Naval Reactors						.25	.31	.47	.39							

(Numbers are not available for all years)

<http://www.whitehouse.gov/sites/default/files/omb/budget/fy2014/assets/budget.pdf>, Table S-1 Pg. 222

<http://www.whitehouse.gov/sites/default/files/omb/budget/fy2014/assets/doe.pdf>, Pg. 371

### How Much Did NNSA's Nuclear Weapons Budget Really Increase for FY 2014?

This depends on what number is used for FY 2013.

	FY 2014 Request	FY 2014 Increase
<b>Options for FY 2013 Actual</b>	<b>Amount</b>	
NNSA's Continuing Resolution "Total Weapons Activities"	7,557,342	4.1%
Nuclear Counterterrorism transfer to Nonproliferation See (d)	7,309,792	7.6%
Sequestration Cut of 7.8% from Continuing Res. See (a)	6,967,869	12.9%
Nuclear Counterterrorism Transfer and Sequestration	6,739,628	16.7%

Thus, in real terms NNSA's FY 2014 nuclear weapons request is a 16.7% increase above FY 2013 sequestration levels.

(All numbers in thousands of US dollars)

**NNSA Site Tables**

	<i>FY 2012</i> <i>Actual</i>	<i>FY 2013</i> <i>Cont. Resolution</i>	<i>FY2014</i> <i>Request</i>	<i>FY13-FY14</i> <i>±%</i>
<b>Kansas City Plant (Total DOE)</b>	<b>500,043</b>	<b>535,160</b>	<b>578,992</b>	<b>8.19%</b>
Weapons Activities	498,282	532,463	561,904	5.53%
Site Stewardship See (c)	1,889	2,218	180,008	8015.78%
Nonproliferation	1,726	2,687	17,078	535.58%
<b>Lawrence Livermore National Laboratory (Total DOE)</b>	<b>1,314,330</b>	<b>1,188,579</b>	<b>1,137,792</b>	<b>-4.27%</b>
Weapons Activities	1,103,174	980,632	951,199	-3.00%
Site Stewardship See (c)	36,766	29,537	220,053	645.01%
Nonproliferation	110,536	107,492	133,795	24.47%
Cleanup	2,173	878	1,476	68.11%
<b>Los Alamos National Laboratory (Total DOE)</b>	<b>2,005,067</b>	<b>1,826,850</b>	<b>1,962,384</b>	<b>7.42%</b>
Weapons Activities	1,449,888	1,310,123	1,415,994	8.08%
Nonproliferation	218,540	179,402	217,512	21.24%
Cleanup	185,600	186,132	215,686	15.88%
<b>Nevada National Security Site (Total DOE)</b>	<b>361,909</b>	<b>382,546</b>	<b>395,574</b>	<b>3.41%</b>
Weapons Activities	246,083	256,793	243,858	-5.04%
Nonproliferation	65,225	66,773	109,890	64.57%
Cleanup	50,601	58,980	41,826	-29.08%
<b>Pantex Plant (Total DOE) See (d)</b>	<b>626,955</b>	<b>587,246</b>	<b>Not Available</b>	<b>Not Available</b>
Weapons Activities	625,978	586,550	Not Available	Not Available
Site Stewardship	12,130	14,359	Not Available	Not Available
Nonproliferation	972	686	Not Available	Not Available
<b>Sandia National Laboratories (Total DOE)</b>	<b>1,649,985</b>	<b>1,807,095</b>	<b>1,814,638</b>	<b>0.42%</b>
Weapons Activities	1,244,369	1,436,378	1,465,789	2.05%
Site Stewardship See (c)	10,264	8,565	170,555	1891.30%
Nonproliferation	229,299	212,570	204,353	-3.87%
Cleanup	2,814	3,032	2,814	-7.19%
<b>Savannah River Operation Office (Total DOE)</b>	<b>589,579</b>	<b>543,723</b>	<b>424,300</b>	<b>-21.96%</b>
Weapons Activities	0	1,108	0	-100.00%
Nonproliferation	523,989	480,645	366,985	-23.65%
Cleanup	59,754	59,726	55,055	-7.82%
<b>Y-12 National Security Complex (Total DOE) See (d)</b>	<b>837,342</b>	<b>982,384</b>	<b>Not Available</b>	<b>Not Available</b>
Weapons Activities	816,428	961,355	Not Available	Not Available
Site Stewardship	7,000	6,539	Not Available	Not Available
Nonproliferation	20,914	21,029	Not Available	Not Available

Source: <http://www.cfo.doe.gov/budget/14budget/Content/LabTable.pdf>

Endnote a : A more apt comparison is between the FY 2014 budget request and the FY 2013 Continuing Resolution dollar amounts after they have been cut by 7.8% because of sequestration. Combined with one major transfer (see (d) below), the real increase in NNSA's FY 2014 nuclear weapons budget request above FY 2013 levels is 16.7%, virtually unheard of in all other federal agencies given national fiscal constraints. That large increase is especially ironic given NNSA's chronic cost overruns and mismanagement in both construction projects and nuclear weapons programs.

Endnote b : Nuclear Programs is a new budget category for processing, inventory management, and capability investments in Special Nuclear Materials (i.e., plutonium and highly enriched uranium), most of which was formerly in Readiness in Technical Base and Facilities (RTBF). This includes most construction for new nuclear weapons facilities, including the Uranium Processing Facility. Nuclear Programs are planned to grow to \$1.3 billion by FY 2018, out of which construction projects are \$869 million in that one year alone (\$641 million for the UPF). Prior years' construction costs are from RTBF.

Endnote c : Readiness in Technical Base and Facilities has been eliminated in FY 2014 and transferred to Nuclear Programs or Site Stewardship, Enterprise Infrastructure and Security. This move out of NNSA Defense Programs into the new Office of Infrastructure and Operations could be potentially significant. What was known as Site Stewardship in FY 2012 and 2013 (mostly environmental cleanup) has been moved back to Defense Environmental Cleanup, where it previously resided. (Thanks to Marylia Kelley, Tri-Valley CAREs)

Endnote d : NNSA has yet to provide the FY14 Lab Table numbers for Pantex and Y-12.

Endnote e : NNSA shifted Nuclear Counterterrorism incident response from Total Weapons Activities to Defense Nuclear Nonproliferation. So for an apples to apples comparison, the NNSA approp for FY 2013 should be 7.577 billion – 247.55 million, or 7.33 billion. So even before sequestration, this year's request balloons from a 4.1% increase over the FY13 level to 7.3%. (Thanks to Kingston Reif, Center for Arms Control and Non-Proliferation)

Endnote f : DOE states that its FY 2014 request for "Defense Environmental Cleanup" is \$5,316,909,000. However, that includes \$463,000,000 for the Uranium D&D Fund, which was not included in the FY 2012 and FY 2013 cleanup budgets. Hence we used the figure \$4,853,909,000, a 3.57% decrease from FY 2013. (Thanks to Don Hancock, SRIC)