

# Nuclear Watch New Mexico

## Department of Energy FY 2019 Nuclear Weapons Budget Request

### National Nuclear Security Administration (All numbers in thousands of US dollars)

(NNSA is the semi-autonomous nuclear weapons agency with DOE)	<i>FY2017 Enacted</i>	<i>FY2018 Annualized CR</i>	<i>FY2019 Request</i>	<i>FY19-FY18 +%</i>
<b>Total NNSA Weapons Activities</b>	<b>9,240,739</b>	<b>9,241,675</b>	<b>11,017,078</b>	<b>19.2%</b>
<b>Directed Stockpile Work</b> (The core hands-on nuclear weapons work)	<b>3,308,027</b>	<b>3,285,561</b>	<b>4,666,205</b>	<b>42.0%</b>
<b>Life Extension Programs</b>	<b>1,340,341</b>	<b>1,331,238</b>	<b>1,919,988</b>	<b>44.2%</b>
W80-4 Life Extension Program	220,253	218,757	654,766	199.3%
IW1	0	0	53,000	new
<b>Stockpile Systems</b>	<b>443,676</b>	<b>440,663</b>	<b>619,482</b>	<b>40.6%</b>
<b>Weapons Dismantlement and Disposition</b>	<b>56,000</b>	<b>55,620</b>	<b>56,000</b>	<b>0.7%</b>
<b>Stockpile Services</b>	<b>890,173</b>	<b>884,128</b>	<b>1,068,363</b>	<b>20.8%</b>
<b>Strategic Materials</b>	<b>577,837</b>	<b>573,912</b>	<b>1,002,372</b>	<b>74.7%</b>
Plutonium Sustainment	184,970	183,714	361,282	96.7%
<b>Research, Development, Test and Evaluation</b>	<b>1,842,230</b>	<b>1,829,721</b>	<b>1,995,393</b>	<b>9.1%</b>
<b>Science</b> (Provide assessments of weapon performance)	<b>436,500</b>	<b>433,537</b>	<b>564,860</b>	<b>30.3%</b>
Enhanced Capabilities for Subcritical Experiments	0	0	117,000	new
<b>Engineering</b> (Tools and capabilities necessary to maintain the stockpile)	<b>132,482</b>	<b>131,582</b>	<b>211,367</b>	<b>60.6%</b>
<b>Inertial Confinement Fusion Ignition &amp; High Yield</b> (Validation of nuclear weapons design codes)	<b>522,959</b>	<b>519,408</b>	<b>418,927</b>	<b>-19.3%</b>
<b>Advanced Simulation and Computing Campaign</b> (Computer simulation of nuclear explosions)	<b>663,184</b>	<b>658,680</b>	<b>703,401</b>	<b>6.8%</b>
<b>Advanced Manufacturing Development</b>	<b>87,105</b>	<b>86,514</b>	<b>96,838</b>	<b>11.9%</b>
<b>Infrastructure and Operations</b>	<b>2,808,363</b>	<b>2,789,290</b>	<b>3,002,736</b>	<b>7.7%</b>
<b>Total Operating</b>	<b>2,001,148</b>	<b>1,987,558</b>	<b>1,911,688</b>	<b>-3.8%</b>
<b>Construction</b>	<b>807,215</b>	<b>801,732</b>	<b>1,091,048</b>	<b>36.1%</b>
Uranium Processing Facility, Y-12	575,000	663,000	703,000	6.0%
Chemistry and Metallurgy Research Replacement Project, LANL	150,615	180,900	235,095	30.0%
<b>Secure Transportation Asset</b>	<b>248,889</b>	<b>247,199</b>	<b>278,639</b>	<b>12.7%</b>
<b>Defense Nuclear Security</b> (guards, guns, and gates)	<b>685,500</b>	<b>680,845</b>	<b>690,638</b>	<b>1.4%</b>
<b>IT &amp; Cybersecurity</b>	<b>176,592</b>	<b>175,393</b>	<b>221,175</b>	<b>26.1%</b>
<b>Legacy Contractor Pensions</b>	<b>248,000</b>	<b>247,000</b>	<b>162,000</b>	<b>-34.4%</b>

### Defense Nuclear Nonproliferation

(All numbers in thousands of US dollars)

	<i>FY2017 Enacted</i>	<i>FY2018 Annualized CR</i>	<i>FY2019 Request</i>	<i>FY19-FY18 +%</i>
<b>Defense Nuclear Nonproliferation</b>	<b>1,879,738</b>	<b>1,885,920</b>	<b>1,862,825</b>	<b>-1.2%</b>
<b>Material Management and Minimization</b>	<b>288,350</b>	<b>286,391</b>	<b>332,094</b>	<b>16.0%</b>
<b>Global Material Security</b>	<b>367,108</b>	<b>364,615</b>	<b>337,108</b>	<b>-7.5%</b>
<b>Nonproliferation and Arms Control</b>	<b>124,703</b>	<b>123,856</b>	<b>129,703</b>	<b>4.7%</b>
<b>Defense nuclear nonproliferation R&amp;D</b>	<b>469,750</b>	<b>466,560</b>	<b>456,095</b>	<b>-2.2%</b>
<b>Nonproliferation Construction</b>	<b>335,000</b>	<b>332,725</b>	<b>279,000</b>	<b>-16.1%</b>
(NNSA is terminating the boondoggle MOX program in favor of diluting plutonium and disposing at the WIPP facility)				
Mixed Oxide (MOX) Fuel Fabrication Facility	335,000	332,725	220,000	-33.9%
Surplus Plutonium Disposition Project	0	0	59,000	new

<b>Nuclear Counterterrorism and Incident Response</b>	<b>271,881</b>	<b>270,035</b>	<b>319,185</b>	<b>18.2%</b>
<b>Legacy Contractor Pensions</b>	<b>83,208</b>	<b>82,643</b>	<b>28,640</b>	<b>-65.3%</b>
<b>Naval Reactors</b> (Reactors in nuclear-powered submarines and aircraft carriers)	<b>1,419,792</b>	<b>1,410,455</b>	<b>1,788,618</b>	<b>26.8%</b>
<b>Federal Salaries and Expenses</b>	<b>387,366</b>	<b>384,736</b>	<b>422,529</b>	<b>9.8%</b>
<b>Total NNSA</b>	<b>12,927,635</b>	<b>12,922,786</b>	<b>15,091,050</b>	<b>16.8%</b>

### Environmental Management

(All numbers in thousands of US dollars)

	<i>FY2017 Enacted</i>	<i>FY2018 Annualized CR</i>	<i>FY2019 Request</i>	<i>FY19-FY18 +%</i>
<b>Environmental Management</b>	<b>6,418,908</b>	<b>6,376,728</b>	<b>6,601,217</b>	<b>3.4%</b>
<b>Defense Environmental Cleanup</b>	<b>5,405,000</b>	<b>5,368,298</b>	<b>5,630,217</b>	<b>4.9%</b>
Hanford Site Total	839,760	834,057	658,171	-21.1%
Office of River Protection (Also at Hanford)	1,499,965	1,489,779	1,438,513	-3.4%
Idaho National Laboratory Total	382,088	379,493	349,226	-8.0%
Savannah River Site Total	1,233,429	1,225,054	1,472,823	20.2%
Oak Ridge Total	263,219	261,432	226,206	-13.5%
Waste Isolation Pilot Plant	292,720	290,732	396,907	36.5%
Los Alamos National Laboratory	194,000	192,683	191,629	-0.5%
Nevada	62,176	61,754	60,136	-2.6%
<b>Defense Uranium Enrichment Decontamination and Decommissioning</b>	<b>563,000</b>	<b>559,177</b>	<b>0</b>	<b>-100.0%</b>
<b>Non-Defense Environmental Cleanup</b>	<b>247,000</b>	<b>245,324</b>	<b>218,400</b>	<b>-11.0%</b>
<b>Uranium Enrichment Decontamination and Decommissioning Fund</b>	<b>768,324</b>	<b>763,106</b>	<b>752,749</b>	<b>-1.4%</b>

### Energy and Water Development

(All numbers in thousands of US dollars)

	<i>FY2017 Enacted</i>	<i>FY2018 Annualized CR</i>	<i>FY2019 Request</i>	<i>FY19-FY18 +%</i>
<b>Energy and Water Development Total</b>	<b>10,953,295</b>	<b>10,926,999</b>	<b>9,064,504</b>	<b>-20.5%</b>
<b>Energy Programs</b>	<b>3,279,988</b>	<b>3,277,197</b>	<b>1,609,809</b>	<b>-103.6%</b>
Energy Efficiency and Renewable Energy	2,034,582	2,040,249	695,610	-65.9%
Electricity Delivery and Energy Reliability	229,585	228,026	0	-100.0%
Electricity Delivery	0	0	61,309	new
Cybersecurity, Energy Security, and Emergency Respon	0	0	95,800	new
Nuclear Energy	1,015,821	1,008,922	757,090	-25.0%
<b>Fossil Energy Programs</b>	<b>662,261</b>	<b>667,882</b>	<b>697,175</b>	<b>4.4%</b>
Fossil Energy Research and Development	421,154	425,093	502,070	18.1%
Strategic Petroleum Reserve	222,605	221,485	175,105	-20.9%
<b>Advanced Research Projects Agency - Energy</b>	<b>305,245</b>	<b>303,172</b>	<b>0</b>	<b>-100.0%</b>

Sources: DOE FY 2019 Congressional Budget Justification, Volumes 1 & 5

<https://www.energy.gov/cfo/downloads/fy-2019-budget-justification>

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