

Department Of Energy  
 FY 2005 Congressional Budget  
 Laboratory Table  
 (Dollars In Thousands)

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Los Alamos National Laboratory	FY 2003 Comp/Approp	FY 2004 Comp/Approp	FY 2005 Request
<b>Energy Supply</b>			
Electric Transmission and Distribution			
Research & Development	\$7,202	\$6,091	\$8,084
Energy Efficiency and Renewable Energy			
Hydrogen Technology	\$415	\$1,490	\$1,000
<i>Total Energy Efficiency and Renewable Energy</i>	\$7,617	\$7,581	\$9,084
Research & Development			
Nuclear Energy Research Initiative	\$422	\$295	\$0
Advanced Fuel Cycle Initiative	\$12,040	\$12,000	\$7,825
Generation IV Nuclear Energy Systems Initiative	\$550	\$327	\$400
<i>Total Research &amp; Development</i>	\$13,012	\$12,622	\$8,225
Infrastructure			
Radiological Facilities Management	\$14,748	\$15,212	\$16,960
<i>Total Energy Supply</i>	\$35,377	\$35,415	\$34,269
<b>Non-Defense Site Acceleration Completion</b>			
2035 Accelerated Completions			
2035 Accelerated Completions	\$433	\$480	\$451
<i>Total Non-Defense Site Acceleration Completion</i>	\$433	\$480	\$451
<b>Science</b>			
High Energy Physics			
High Energy Physics	\$964	\$695	\$825
Nuclear Physics			
Nuclear Physics	\$9,678	\$8,963	\$9,107
Biological and Environmental Research			
Biological and Environmental Research	\$24,091	\$21,134	\$19,600
Basic Energy Sciences			
Basic Energy Sciences	\$29,554	\$34,192	\$23,663
Fusion Energy Sciences Program			
Fusion Energy Sciences Program	\$6,661	\$3,868	\$3,574
Advanced Scientific Computing Research			
Advanced Scientific Computing Research	\$3,990	\$3,448	\$3,030
<i>Total Science</i>	\$74,938	\$72,300	\$59,799
<b>Weapons Activities</b>			
Directed Stockpile Work			
Directed Stockpile Work	\$218,142	\$206,840	\$210,972
Science Campaign			
Science Campaign	\$77,118	\$62,724	\$93,229
Engineering Campaign			
Engineering Campaign	\$19,664	\$24,402	\$29,150
Inertial Confinement Fusion and High Yield Campaign			
Inertial Confinement Fusion and High Yield Campaign	\$27,487	\$28,887	\$32,180
Advanced Simulation & Computing Campaign			
Advanced Simulation & Computing Campaign	\$160,089	\$144,370	\$153,255

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Pit Manufacturing and Certification Campaign			
Pit Manufacturing and Certification Campaign	\$208,605	\$217,139	\$220,820
Readiness Campaign			
Readiness Campaign	\$11,814	\$8,875	\$9,566
Readiness in Technical Base and Facilities			
Readiness in Technical Base and Facilities	\$348,545	\$402,315	\$412,476
Nuclear Weapons Incident Response			
Nuclear Weapons Incident Response	\$7,572	\$8,636	\$8,847
Facilities and Infrastructure Recapitalization Program			
Facilities and Infrastructure Recapitalization Program	\$41,116	\$45,520	\$56,719
Safeguards and Security			
Safeguards and Security	\$126,519	\$120,661	\$168,385
<i>Total Weapons Activities</i>	<i>\$1,246,671</i>	<i>\$1,270,369</i>	<i>\$1,395,599</i>
Other Defense Activities			
Security			
Nuclear Safeguards and Security	\$5,435	\$5,695	\$5,399
Office of Legacy Management			
Worker and Community Transition	\$880	\$0	\$0
<i>Total Other Defense Activities</i>	<i>\$6,315</i>	<i>\$5,695</i>	<i>\$5,399</i>
Defense Nuclear Nonproliferation			
Nonproliferation and Verification R&D			
Nonproliferation and Verification R&D	\$78,621	\$66,800	\$75,075
Nonproliferation and International Security			
Nonproliferation and International Security	\$16,034	\$14,297	\$14,306
Nonproliferation Programs with Russia			
International Nuclear Materials Protection & Cooperation	\$17,897	\$20,524	\$12,319
Russian Transition Initiatives	\$4,999	\$5,076	\$5,120
HEU Transparency Implementation	\$1,600	\$2,100	\$2,600
Fissile Materials Disposition	\$42,000	\$34,450	\$8,550
Offsite Source Recovery Project	\$2,172	\$1,961	\$5,600
<i>Total Nonproliferation Programs with Russia</i>	<i>\$68,668</i>	<i>\$64,111</i>	<i>\$34,189</i>
<i>Total Defense Nuclear Nonproliferation</i>	<i>\$163,323</i>	<i>\$145,208</i>	<i>\$123,570</i>
Fossil Energy Research and Development			
Coal and Other Power Systems			
Central Systems	\$1,375	\$1,364	\$400
Sequestration R&D	\$200	\$270	\$0
Fuels	\$0	\$0	\$700
Advanced Research	\$200	\$200	\$200
<i>Total Coal and Other Power Systems</i>	<i>\$1,775</i>	<i>\$1,834</i>	<i>\$1,300</i>
Gas			
Natural Gas Technologies	\$150	\$300	\$0
Petroleum			
Oil Technology	\$825	\$50	\$0

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<i>Total Fossil Energy Research and Development</i>	\$2,750	\$2,184	\$1,300
Energy Conservation			
Industrial Technologies			
Industries of the Future (Specific)	\$1,001	\$250	\$320
Industries of the Future (Crosscutting)	\$671	\$675	\$358
<i>Total Industrial Technologies</i>	\$1,672	\$925	\$678
Fuel Cell Technologies			
Transportation Systems	\$0	\$200	\$200
Fuel Processor R&D	\$0	\$359	\$709
Stack Component R&D	\$5,310	\$4,400	\$7,150
<i>Total Fuel Cell Technologies</i>	\$5,310	\$4,959	\$8,059
Vehicle Technologies			
Advanced Combustion R&D	\$985	\$400	\$1,100
Materials Technology	\$125	\$270	\$108
<i>Total Vehicle Technologies</i>	\$1,110	\$670	\$1,208
Building Technologies			
Emerging Technologies	\$0	\$250	\$0
<i>Total Energy Conservation</i>	\$8,092	\$6,804	\$9,945
Defense Nuclear Waste Disposal			
Defense Nuclear Waste Disposal			
Defense Nuclear Waste Disposal	\$12,785	\$12,146	\$14,690
<i>Total Defense Nuclear Waste Disposal</i>	\$12,785	\$12,146	\$14,690
Defense Site Acceleration Completion			
2012 Accelerated Completions			
2012 Accelerated Completions	\$28,916	\$42,730	\$41,502
2035 Accelerated Completions			
2035 Accelerated Completions	\$71,453	\$70,890	\$79,692
Technology Development and Deployment			
Technology Development and Deployment	\$582	\$0	\$0
<i>Total Defense Site Acceleration Completion</i>	\$100,951	\$113,620	\$121,194
<i>Total Los Alamos National Laboratory</i>	\$1,651,635	\$1,664,221	\$1,766,216