

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

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Sandia National Laboratories	FY 2003 Comp/Approp	FY 2004 Comp/Approp	FY 2005 Request
Energy Supply			
Electric Transmission and Distribution			
Research & Development	\$5,338	\$7,298	\$5,638
Energy Efficiency and Renewable Energy			
Biomass and Biorefinery Systems R&D	\$30	\$30	\$0
Wind Energy	\$3,760	\$3,700	\$3,900
Geothermal Technology	\$6,425	\$4,690	\$4,540
Hydrogen Technology	\$2,613	\$3,867	\$3,900
Solar Energy	\$10,000	\$10,100	\$9,000
Intergovernmental Activities	\$375	\$525	\$525
<i>Total Energy Efficiency and Renewable Energy</i>	\$28,541	\$30,210	\$27,503
Research & Development			
Nuclear Energy Plant Optimization	\$452	\$0	\$0
Nuclear Energy Research Initiative	\$1,442	\$906	\$0
Nuclear Hydrogen Initiative	\$650	\$600	\$1,400
Advanced Fuel Cycle Initiative	\$824	\$1,800	\$1,210
Generation IV Nuclear Energy Systems Initiative	\$825	\$1,330	\$670
<i>Total Research & Development</i>	\$4,193	\$4,636	\$3,280
Infrastructure			
Radiological Facilities Management	\$1,800	\$1,750	\$1,900
<i>Total Energy Supply</i>	\$34,534	\$36,596	\$32,683
Science			
Biological and Environmental Research			
Biological and Environmental Research	\$7,447	\$6,814	\$6,646
Basic Energy Sciences			
Basic Energy Sciences	\$31,047	\$47,260	\$54,548
Fusion Energy Sciences Program			
Fusion Energy Sciences Program	\$3,107	\$2,678	\$2,812
Advanced Scientific Computing Research			
Advanced Scientific Computing Research	\$9,735	\$9,318	\$8,572
Program Direction			
Program Direction	\$163	\$0	\$0
<i>Total Science</i>	\$51,499	\$66,070	\$72,578
Weapons Activities			
Directed Stockpile Work			
Directed Stockpile Work	\$406,750	\$439,327	\$451,636
Science Campaign			
Science Campaign	\$14,323	\$14,600	\$15,262
Engineering Campaign			
Engineering Campaign	\$208,048	\$184,808	\$161,984
Inertial Confinement Fusion and High Yield Campaign			
Inertial Confinement Fusion and High Yield Campaign	\$36,610	\$45,603	\$46,307
Advanced Simulation & Computing Campaign			
Advanced Simulation & Computing Campaign	\$148,031	\$137,431	\$130,817

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Pit Manufacturing and Certification Campaign			
Pit Manufacturing and Certification Campaign	\$0	\$300	\$0
Readiness Campaign			
Readiness Campaign	\$21,507	\$24,406	\$23,810
Readiness in Technical Base and Facilities			
Readiness in Technical Base and Facilities	\$206,797	\$259,556	\$201,248
Nuclear Weapons Incident Response			
Nuclear Weapons Incident Response	\$7,900	\$8,264	\$8,466
Facilities and Infrastructure Recapitalization Program			
Facilities and Infrastructure Recapitalization Program	\$25,169	\$28,525	\$34,673
Safeguards and Security			
Safeguards and Security	\$68,806	\$75,500	\$93,524
<i>Total Weapons Activities</i>	\$1,143,941	\$1,218,320	\$1,167,727
Other Defense Activities			
Environment, Safety, and Health			
Environment, Safety, and Health	\$200	\$200	\$640
Security			
Nuclear Safeguards and Security	\$10,396	\$11,990	\$10,230
<i>Total Other Defense Activities</i>	\$10,596	\$12,190	\$10,870
Defense Nuclear Nonproliferation			
Nonproliferation and Verification R&D			
Nonproliferation and Verification R&D	\$77,898	\$71,417	\$64,800
Nonproliferation and International Security			
Nonproliferation and International Security	\$18,915	\$24,442	\$18,055
Nonproliferation Programs with Russia			
International Nuclear Materials Protection & Cooperation	\$59,929	\$55,620	\$54,190
Russian Transition Initiatives	\$4,321	\$4,428	\$4,458
HEU Transparency Implementation	\$1,530	\$1,750	\$2,100
Fissile Materials Disposition	\$280	\$680	\$680
<i>Total Nonproliferation Programs with Russia</i>	\$66,060	\$62,478	\$61,428
<i>Total Defense Nuclear Nonproliferation</i>	\$162,873	\$158,337	\$144,283
Fossil Energy Research and Development			
Coal and Other Power Systems			
Central Systems	\$50	\$0	\$0
Sequestration R&D	\$0	\$200	\$0
Advanced Research	\$550	\$700	\$550
<i>Total Coal and Other Power Systems</i>	\$600	\$900	\$550
Gas			
Natural Gas Technologies	\$686	\$340	\$0
<i>Total Fossil Energy Research and Development</i>	\$1,286	\$1,240	\$550
Energy Conservation			

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Industrial Technologies			
Industries of the Future (Specific)	\$2,380	\$775	\$400
Industries of the Future (Crosscutting)	\$511	\$181	\$250
<i>Total Industrial Technologies</i>	\$2,891	\$956	\$650
Program Management			
Program Management	\$249	\$247	\$250
Federal Energy Management Program			
Federal Energy Management Program	\$486	\$240	\$240
Fuel Cell Technologies			
Fuel Processor R&D	\$25	\$0	\$0
Vehicle Technologies			
Vehicle Systems	\$16	\$100	\$200
Hybrid and Electric Propulsion	\$1,870	\$2,188	\$1,700
Advanced Combustion R&D	\$5,246	\$6,046	\$5,500
Materials Technology	\$177	\$175	\$1,263
Fuels Technology	\$590	\$610	\$350
<i>Total Vehicle Technologies</i>	\$7,899	\$9,119	\$9,013
<i>Total Energy Conservation</i>	\$11,550	\$10,562	\$10,153
Defense Nuclear Waste Disposal			
Defense Nuclear Waste Disposal			
Defense Nuclear Waste Disposal	\$14,382	\$13,663	\$10,830
<i>Total Defense Nuclear Waste Disposal</i>	\$14,382	\$13,663	\$10,830
Defense Site Acceleration Completion			
2006 Accelerated Completions			
2006 Accelerated Completions	\$23,918	\$21,804	\$20,246
Technology Development and Deployment			
Technology Development and Deployment	\$123	\$0	\$0
<i>Total Defense Site Acceleration Completion</i>	\$24,041	\$21,804	\$20,246
Strategic Petroleum Reserve			
Storage Facilities Operations			
SPR - Facilities Development	\$2,558	\$2,612	\$2,667
<i>Total Strategic Petroleum Reserve</i>	\$2,558	\$2,612	\$2,667
<i>Total Sandia National Laboratories</i>	\$1,457,260	\$1,541,394	\$1,472,587