

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

1/28/2004
10:09:24AM
Page 50 of 143

Lawrence Livermore National Laboratory	FY 2003 Comp/Approp	FY 2004 Comp/Approp	FY 2005 Request
Energy Supply			
Energy Efficiency and Renewable Energy			
Geothermal Technology	\$1,200	\$671	\$650
Hydrogen Technology	\$1,750	\$630	\$2,000
<i>Total Energy Efficiency and Renewable Energy</i>	\$2,950	\$1,301	\$2,650
Research & Development			
Nuclear Energy Research Initiative	\$795	\$0	\$0
Advanced Fuel Cycle Initiative	\$175	\$150	\$100
Generation IV Nuclear Energy Systems Initiative	\$700	\$346	\$300
<i>Total Research & Development</i>	\$1,670	\$496	\$400
Environment, Safety and Health			
Environment, Safety and Health	\$80	\$0	\$0
<i>Total Energy Supply</i>	\$4,700	\$1,797	\$3,050
Science			
High Energy Physics			
High Energy Physics	\$1,531	\$650	\$436
Nuclear Physics			
Nuclear Physics	\$823	\$690	\$500
Biological and Environmental Research			
Biological and Environmental Research	\$22,351	\$24,426	\$23,645
Basic Energy Sciences			
Basic Energy Sciences	\$4,374	\$4,537	\$4,676
Fusion Energy Sciences Program			
Fusion Energy Sciences Program	\$14,114	\$14,266	\$13,408
Science Laboratories Infrastructure			
Science Laboratories Infrastructure	\$250	\$250	\$300
Advanced Scientific Computing Research			
Advanced Scientific Computing Research	\$5,965	\$5,313	\$3,023
<i>Total Science</i>	\$49,408	\$50,132	\$45,988
Weapons Activities			
Directed Stockpile Work			
Directed Stockpile Work	\$99,900	\$99,797	\$103,350
Science Campaign			
Science Campaign	\$88,230	\$92,511	\$97,840
Engineering Campaign			
Engineering Campaign	\$29,235	\$30,234	\$30,997
Inertial Confinement Fusion and High Yield Campaign			
Inertial Confinement Fusion and High Yield Campaign	\$346,631	\$322,101	\$336,133
Advanced Simulation & Computing Campaign			
Advanced Simulation & Computing Campaign	\$175,316	\$166,976	\$148,666
Pit Manufacturing and Certification Campaign			
Pit Manufacturing and Certification Campaign	\$4,281	\$10,100	\$17,500
Readiness Campaign			
Readiness Campaign	\$5,270	\$6,640	\$6,496

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

1/28/2004
10:09:24AM
Page 51 of 143

Lawrence Livermore National Laboratory	FY 2003 Comp/Approp	FY 2004 Comp/Approp	FY 2005 Request
Readiness in Technical Base and Facilities			
Readiness in Technical Base and Facilities	\$80,275	\$60,335	\$61,814
Nuclear Weapons Incident Response			
Nuclear Weapons Incident Response	\$11,901	\$14,751	\$13,665
Facilities and Infrastructure Recapitalization Program			
Facilities and Infrastructure Recapitalization Program	\$35,342	\$29,884	\$37,239
Safeguards and Security			
Safeguards and Security	\$92,944	\$95,100	\$109,551
<i>Total Weapons Activities</i>	\$969,325	\$928,429	\$963,251
Defense Environmental Services			
Non-Closure Environmental Activities			
Non-Closure Environmental Activities	\$20,891	\$20,395	\$22,000
<i>Total Defense Environmental Services</i>	\$20,891	\$20,395	\$22,000
Other Defense Activities			
Energy Security and Assurance			
Energy Security	\$100	\$0	\$0
Environment, Safety, and Health			
Environment, Safety, and Health	\$2,550	\$2,550	\$1,815
Security			
Nuclear Safeguards and Security	\$3,131	\$2,276	\$182
<i>Total Other Defense Activities</i>	\$5,781	\$4,826	\$1,997
Defense Nuclear Nonproliferation			
Nonproliferation and Verification R&D			
Nonproliferation and Verification R&D	\$37,742	\$29,938	\$32,356
Nonproliferation and International Security			
Nonproliferation and International Security	\$11,138	\$9,366	\$10,698
Nonproliferation Programs with Russia			
International Nuclear Materials Protection & Cooperation	\$21,339	\$27,346	\$17,303
HEU Transparency Implementation	\$6,000	\$5,894	\$6,500
Fissile Materials Disposition	\$2,625	\$3,150	\$3,550
Accelerated Materials Disposition	\$488	\$0	\$0
<i>Total Nonproliferation Programs with Russia</i>	\$30,452	\$36,390	\$27,353
<i>Total Defense Nuclear Nonproliferation</i>	\$79,332	\$75,694	\$70,407
Fossil Energy Research and Development			
Coal and Other Power Systems			
Sequestration R&D	\$0	\$140	\$0
Gas			
Natural Gas Technologies	\$150	\$250	\$0
Petroleum			
Oil Technology	\$302	\$200	\$175
<i>Total Fossil Energy Research and Development</i>	\$452	\$590	\$175

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

1/28/2004
10:09:24AM
Page 52 of 143

Lawrence Livermore National Laboratory	FY 2003 Comp/Approp	FY 2004 Comp/Approp	FY 2005 Request
Energy Conservation			
Industrial Technologies			
Industries of the Future (Specific)	\$400	\$335	\$140
Fuel Cell Technologies			
Stack Component R&D	\$187	\$0	\$0
Technology Validation	\$238	\$175	\$175
<i>Total Fuel Cell Technologies</i>	\$425	\$175	\$175
Vehicle Technologies			
Vehicle Systems	\$600	\$947	\$600
Advanced Combustion R&D	\$690	\$1,251	\$1,500
Materials Technology	\$467	\$644	\$610
Fuels Technology	\$268	\$400	\$350
<i>Total Vehicle Technologies</i>	\$2,025	\$3,242	\$3,060
<i>Total Energy Conservation</i>	\$2,850	\$3,752	\$3,375
Defense Nuclear Waste Disposal			
Defense Nuclear Waste Disposal			
Defense Nuclear Waste Disposal	\$18,029	\$16,983	\$17,173
<i>Total Defense Nuclear Waste Disposal</i>	\$18,029	\$16,983	\$17,173
Defense Site Acceleration Completion			
2006 Accelerated Completions			
2006 Accelerated Completions	\$19,137	\$17,584	\$21,648
2012 Accelerated Completions			
2012 Accelerated Completions	\$10,253	\$10,338	\$11,110
<i>Total Defense Site Acceleration Completion</i>	\$29,390	\$27,922	\$32,758
<i>Total Lawrence Livermore National Laboratory</i>	\$1,180,158	\$1,130,520	\$1,160,174