DOE/CF-0065

# Department of Energy FY 2012 Congressional Budget Request



# Laboratory Tables Preliminary

# **Department of Energy FY 2012 Congressional Budget Request**



# **Laboratory** Tables **Preliminary**

The numbers depicted in this document represent the gross level of DOE budget authority for the years displayed. The figures include both the discretionary and mandatory funding in the budget. They do not consider revenues/receipts, use of prior year balances, deferrals, rescissions, or other adjustments appropriated as offsets to the DOE appropriations by the Congress.

Office of Chief Financial Officer 

Printed with soy ink on recycled paper

February 2012

2/10/2011 4:54:18PM Page 1 of 3

Page Number	Laboratory / Facility Index	FY 2010 Appropriation	FY 2012 Request
1	Ames Laboratory	\$29,452	\$24,414
2	Ames Site Office	\$528	\$699
3	Argonne National Laboratory	\$531,565	\$582,267
6	Argonne Site Office	mo 440	\$4,149
7	Berkeley Site Office	\$4 459	\$4,415
8	Bettis Atomic Power Laboratory	\$434 400	\$545,672
9	Brookhaven National Laboratory	\$619,686	\$595,567
11	Brookhaven Site Office	¢E 100	\$5,235
12	Carlsbad Area Office	\$40 634	\$43,280
13	Chicago Operations Office	\$1 231 686	\$803,130
15	Consolidated Business Center	\$48,858	\$40,781
16	East Tennessee Technology Park (K25)	\$259,318	\$218,672
	Energy Technology Engineering Center	\$10,500	\$10,679
18	Fermi National Accelerator Laboratory	¢118 102	\$397,485
19	Fermi Site Office	\$2,279	\$2,601
20	Fernald Environmental Management Project	\$1,850	\$0
21	Fernald Site	\$19,583	\$15,102
22	General Atomics Site	\$22.455	\$21,000
23	Golden Field Office	\$485 848	\$550,410
24	Grand Junction Office	¢07.000	\$32,314
25	Hanford Site	\$1.058.723	\$985,809
26	Idaho National Laboratory	\$1 1 <i>4</i> 2 9 <i>4</i> 7	\$1,054,864
29	Idaho Operations Office	\$201,547	\$189,528
31	Inhalation Toxicology Research Institute	\$580	\$0
32	Kansas City Plant	\$433 197	\$548,094
33	Kansas City Site Office	\$6 472	\$6,677
34	Knolls Atomic Power Laboratory	\$391 800	\$455,500
35	Lawrence Berkeley National Laboratory	\$596,007	\$589,229
37	Lawrence Livermore National Laboratory	\$1,156,457	\$1,229,933
	Livermore Site Office	\$19,001	\$19,409
41	Los Alamos National Laboratory	\$1,878,348	\$2,326,181
44	Los Alamos Site Office	¢10.097	\$19,297
45	Miamisburg Site	¢22 062	\$0
	Moab Site	¢20.000	\$31,000
47	Morgantown Office	¢10.450	\$14,435
	MOUND SITE	\$1,000	\$11,311
49	National Energy Technology Lab	\$646 694	\$584,460
	National Renewable Energy Laboratory	\$288,612	\$301,530
	Naval Petroleum Reserve No 1	\$5,740	\$4,480

2/10/2011 4:54:18PM Page 2 of 3

Page Number	Laboratory / Facility Index	FY 2010 Appropriation	FY 2012 Reques
53	Naval Petroleum Reserve No 3	\$12,595	\$9,179
54	Naval Research Laboratory	\$21,892	\$27,888
55	NE Home Heating Oil Reserve Project Office	\$0	\$9,744
56	Nevada National Security Site	\$321,831	\$345,933
57	Nevada Operations Office	\$244	\$244
58	Nevada Site Office	\$200,712	\$112,893
60	New Brunswick Laboratory	\$9,934	\$7,945
61	NNSA Service Center	\$636,475	\$665,956
63	Oak Ridge Institute for Science & Education	\$48,363	\$44,159
64	Oak Ridge National Laboratory	\$1,189,640	\$1,126,987
67	Oak Ridge National Laboratory Site Office	\$4,619	\$4,416
68	Oak Ridge Operations Office	\$109,182	\$105,57
70	Oak Ridge Reservation	\$50,249	\$102,000
71	Oak Ridge Reservation (Off-Site)	\$0	\$6,409
72	Office of River Protection	\$1,125,291	\$1,387,78
73	Office of Scientific & Technical Information	\$14,992	\$11,53
74	Ohio Field Office	\$28	\$2
75	Pacific Northwest National Laboratory	\$581,476	\$556,893
77	Pacific Northwest Site Office	\$5,463	\$5,77
78	Paducah Gaseous Diffusion Plant	\$169,402	\$69,064
79	Paducah Site Office	\$230	\$78,010
80	Pantex Plant	\$555,732	\$649,38
81	Pantex Site Office	\$13,105	\$14,26
82	PINELLAS SITE	\$7,869	\$6,07
83	Portsmouth Gaseous Diffusion Plant	\$333,402	\$330,28
84	Princeton Plasma Physics Laboratory	\$78,902	\$73,15
85	Princeton Site Office	\$1,747	\$1,98
86	Radiological & Envir. Sciences Lab	\$5,163	\$5,60
	Remote Sensing Laboratory	\$3,025	\$4,47
88	Richland Operations Office	\$78,595	\$82,78
89	Rocky Flats Site	\$100,856	\$68,65
90	Rocky Mountain Oilfield Testing Center	\$3,300	\$
	Sandia National Laboratories	\$1,381,463	\$1,598,22
	Sandia Site Office	\$14,493	\$14,88
95	Savannah River National Laboratory	\$70,298	\$9,44
	Savannah River Operations Office	\$683,930	\$763,71
	Savannah River Site	\$1,633,498	\$1,699,06
	Savannah River Site Office	\$9,386	\$7,11
	Separations Process Research Unit	\$15,000	\$1,500

2/10/2011 4:54:18PM Page 3 of 3

Page Number	Laboratory / Facility Index	FY 2010 Appropriation	FY 2012 Request
101	SLAC National Accelerator Laboratory	\$304,878	\$328,969
102	Southeastern Power Administration	\$78,444	\$108,590
103	Southwestern Power Administration	\$82,944	\$85,010
104	Stanford Site Office	\$2,871	\$2,845
105	Strategic Petroleum Reserve - Bayou Choctow	\$44,601	\$11,425
106	Strategic Petroleum Reserve - Big Hill	\$23,260	\$20,968
107	Strategic Petroleum Reserve - Bryan Mound	\$20,033	\$16,925
108	Strategic Petroleum Reserve - West Hackberry	\$30,167	\$21,069
109	Strategic Petroleum Reserve Project Office	\$91,564	\$111,183
110	Strategic Petroleum Reserve-RICHTON	\$25,000	\$0
111	Thomas Jefferson National Accelerator Facility	\$147,438	\$177,160
112	Thomas Jefferson Site Office	\$2,069	\$2,098
113	University of Rochester	\$60,514	\$61,000
114	Washington Headquarters	\$3,720,821	\$6,312,816
121	Waste Isolation Pilot Plant	\$203,553	\$200,155
122	West Valley Demonstration Project	\$59,933	\$60,000
123	Western Area Power Administration	\$876,551	\$813,404
124	Y-12 National Security Complex	\$761,918	\$927,601
125	Y-12 Site Office	\$235,884	\$182,399
126	Yucca Mountain Site Office	\$19,000	\$1,400
	Total Department Of Energy	¢29.444.025	¢04 700 607

Total Department Of Energy

\$28,411,035

\$31,723,637

2/10/2011 4:54:13PM Page 1 of 126

es Laboratory	FY 2010 Appropriation	FY 2012 Reques
Energy Efficiency and Renewable Energy		
Energy Efficiency and Renewable Energy		
Wind Energy	\$11	\$C
Vehicle Technologies Industrial Technologies	\$2,000 \$699	\$2,000 \$0
Total Energy Efficiency and Renewable Energy	\$2,710	\$2,000
Total Energy Efficiency and Renewable Energy	\$2,710	\$2,000
Science		
Biological and Environmental Research		
Biological and Environmental Research	\$675	\$675
Basic Energy Sciences		
Basic Energy Sciences	\$21,613	\$18,808
Advanced Scientific Computing Research	¢000	ድር
Advanced Scientific Computing Research Safeguards and Security	\$900	\$0
Safeguards and Security	\$1,185	\$950
Workforce Development for Teachers and Scientists	ψ1,100	<b>4000</b>
Workforce Development for Teachers and Scientists	\$544	\$313
Total Science	\$24,917	\$20,746
Defense Nuclear Nonproliferation		
Nonproliferation and Verification R&D		
Nonproliferation and Verification R&D	\$435	\$208
Total Defense Nuclear Nonproliferation	\$435	\$208
Fossil Energy Research and Development		
Fuels and Other Power Systems		
Advanced Research	\$1,390	\$1,110
Advanced Turbines	\$0	\$350
Total Fuels and Other Power Systems	\$1,390	\$1,460
Total Fossil Energy Research and Development	\$1,390	\$1,460
al Ames Laboratory	\$29,452	\$24,414

FY 2012 Cor Labora	artment Of Energy ngressional Budget atory Table s In Thousands)	2/10/2011 4:54:18PM Page 2 of 126
nes Site Office	FY 2010 Appropriation	FY 2012 Request
Energy Efficiency and Renewable Energy Energy Efficiency and Renewable Energy		
Progam Support	\$0	\$100
Total Energy Efficiency and Renewable Energy	\$0	\$100
Science Program Direction		
Program Direction	\$528	\$599
Total Science	\$528	\$599
tal Ames Site Office	\$528	\$699

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 3 of 126

onne National Laboratory	FY 2010 Appropriation	FY 2012 Reques
Non-Defense Environmental Cleanup		
Small Sites		
Small Sites	\$10,000	\$C
Total Non-Defense Environmental Cleanup	\$10,000	\$C
Electricity Delivery and Energy Reliability		
Electricity Delivery and Energy Reliability		
Research and Development	\$2,380	\$4,200
Permitting Siting and Analysis	\$600	\$213
Infrastructure Security & Energy Restoration	\$200	\$300
Total Electricity Delivery and Energy Reliability	\$3,180	\$4,713
Total Electricity Delivery and Energy Reliability	\$3,180	\$4,713
Nuclear Energy		
Nuclear Power 2010		
Nuclear Power 2010	\$550	\$C
Generation IV Nuclear Energy Systems		
Generation IV Nuclear Energy Systems	\$15,494	\$C
Fuel Cycle R & D		
Fuel Cycle R & D	\$9,648	\$12,144
Nuclear Energy Enabling Technologies		
Nuclear Energy Enabling Technologies	\$0	\$3,726
Reactors Concepts RD&D		
Reactors Concepts RD&D	<b>\$</b> 0	\$8,091
International Nuclear Energy Cooperation		
International Nuclear Energy Cooperation	\$0	\$960
Total Nuclear Energy	\$25,692	\$24,921
Energy Efficiency and Renewable Energy		
Energy Efficiency and Renewable Energy		
Biomass and Biorefinery Systems R&D	\$2,500	\$3,550
Wind Energy	\$1,096	\$274
Geothermal Technology	\$400	\$1,000
Hydrogen Technology	\$16,917	\$10,100
Water Power	\$1,046	\$1,355
Solar Energy	\$850	\$C
Vehicle Technologies	\$35,424	\$35,000
Building Technologies	\$0	\$2,697
Industrial Technologies	\$5,853	\$C
Federal Energy Management Program	\$150	\$C
Progam Support	\$610	\$460
Total Energy Efficiency and Renewable Energy	\$64,846	\$54,436
Total Energy Efficiency and Renewable Energy	\$64,846	\$54,436

Science

2/10/2011 4:54:18PM Page 4 of 126

Laboratory Table (Dollars In Thousands)

onne National Laboratory	FY 2010 Appropriation	FY 2012 Reques
High Energy Physics		
High Energy Physics	\$16,503	\$13,162
Nuclear Physics		
Nuclear Physics	\$29,643	\$28,935
Biological and Environmental Research		
Biological and Environmental Research	\$30,353	\$21,689
Basic Energy Sciences		
Basic Energy Sciences	\$212,919	\$246,726
Fusion Energy Sciences Program	<b>4</b>	• · ·
Fusion Energy Sciences Program	\$193	\$40
Science Laboratories Infrastructure	<b>A- - - - - - - - - -</b>	<b>•</b> • • • • • •
Science Laboratories Infrastructure	\$8,000	\$40,000
Advanced Scientific Computing Research	<b>*</b> • • • • •	<b>*</b> ~~~~
Advanced Scientific Computing Research	\$60,640	\$66,315
Safeguards and Security	<b>\$</b> 0,400	<b>\$</b> 0.000
Safeguards and Security	\$9,163	\$8,983
Workforce Development for Teachers and Scientists	<b>#0</b> 400	<b>#0.000</b>
Workforce Development for Teachers and Scientists	\$2,400	\$2,328
Total Science	\$369,814	\$428,178
Advanced Simulation & Computing Campaign Advanced Simulation & Computing Campaign Readiness in Technical Base and Facilities Readiness in Technical Base and Facilities	\$1,000 \$380	\$C \$C
Nuclear Couterterrorism Incident Response		
Nuclear Weapons Incident Response	\$2,297	\$2,480
Total Weapons Activities	\$3,677	\$2,480
Other Defense Activities		
Health Safety and Security		
Health Safety and Security (All other)	\$1,546	\$1,426
Total Other Defense Activities	\$1,546	\$1,426
Defense Nuclear Nonproliferation		
Nonproliferation and Verification R&D		
Nonproliferation and Verification R&D	\$2,523	\$1,065
Nonproliferation and International Security		
Nonproliferation and International Security	\$6,662	\$6,250
Non Proliferation Programs with Russia		
International Nuclear Materials Protection & Cooperation	\$2,237	\$3,125
Global Threat Reduction Initiative		<b>•</b>
Global Threat Reduction Initiative	\$38,125	\$55,473
Total Defense Nuclear Nonproliferation	\$49,547	\$65,913

Fossil Energy Research and Development

2/10/2011 4:54:18PM Page 5 of 126

onne National Laboratory	FY 2010 Appropriation	FY 2012 Request
Fuels and Other Power Systems		· · ·
Fuel Cells	\$1,200	\$0
Fuels	\$750	\$0
Advanced Research	\$725	\$200
Innovations for Existing Plants	\$460	\$0
Total Fuels and Other Power Systems Natural Gas Technologies	\$3,135	\$200
Natural Gas Technologies	\$128	\$0
Total Fossil Energy Research and Development	\$3,263	\$200
al Argonne National Laboratory	\$531,565	\$582,267

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 6 of 126	
Argonne Site Office	FY 2010 Appropriation	FY 2012 Request	
Science Program Direction Program Direction	\$3,418	\$4,149	
Total Science	\$3,418	\$4,149	
Total Argonne Site Office	\$3,418	\$4,149	

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 7 of 126	
Berkeley Site Office	FY 2010 Appropriation	FY 2012 Request	
Science Program Direction Program Direction	\$4,459	\$4,415	
Total Science	\$4,459	\$4,415	
Total Berkeley Site Office	\$4,459	\$4,415	

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 8 of 126	
Bettis Atomic Power Laboratory	FY 2010 Appropriation	FY 2012 Request	
Naval Reactors Naval Reactors Development Naval Reactors Development	\$434,400	\$545,672	
Total Naval Reactors	\$434,400	\$545,672	
Total Bettis Atomic Power Laboratory	\$434,400	\$545,672	

2/10/2011 4:54:18PM Page 9 of 126

okhaven National Laboratory	FY 2010 Appropriation	FY 2012 Request
Non-Defense Environmental Cleanup		
Small Sites Small Sites	\$15,000	\$8,185
	\$15,000	\$8,185
Total Non-Defense Environmental Cleanup	\$15,000	φο, ιου
Electricity Delivery and Energy Reliability Electricity Delivery and Energy Reliability		
Research and Development	\$350	\$0
Total Electricity Delivery and Energy Reliability	\$350	\$0
Nuclear Energy		
Generation IV Nuclear Energy Systems		
Generation IV Nuclear Energy Systems	\$125	\$0
Fuel Cycle R & D Fuel Cycle R & D	¢1 150	¢1 100
Nuclear Energy Enabling Technologies	\$1,150	\$1,102
Nuclear Energy Enabling Technologies	\$0	\$0
Reactors Concepts RD&D	<b>*</b> *	
Reactors Concepts RD&D	\$0	\$150
Total Nuclear Energy	\$1,275	\$1,252
Energy Efficiency and Renewable Energy		
Energy Efficiency and Renewable Energy		
Hydrogen Technology	\$2,393	\$1,400
Solar Energy	\$470	\$490
Vehicle Technologies Progam Support	\$1,250 \$740	\$1,200 \$845
Total Energy Efficiency and Renewable Energy	\$4,853	\$3,935
Total Energy Efficiency and Renewable Energy	\$4,853	\$3,935
Science		
High Energy Physics High Energy Physics	\$61,487	\$44,044
Nuclear Physics	φ01,407	φ <del>4</del> 4,044
Nuclear Physics	\$182,314	\$195,334
Biological and Environmental Research	. ,	. ,
Biological and Environmental Research	\$21,118	\$17,152
Basic Energy Sciences		
Basic Energy Sciences	\$243,541	\$272,943
Science Laboratories Infrastructure	¢44.007	
Science Laboratories Infrastructure Advanced Scientific Computing Research	\$44,387	\$15,500
Advanced Scientific Computing Research	\$1,180	\$300
Safeguards and Security	<i><i><i>v</i></i>,,<i>v</i></i>	<b>4000</b>
Safeguards and Security	\$11,898	\$12,857
Workforce Development for Teachers and Scientists		
Workforce Development for Teachers and Scientists	\$1,200	\$2,123

Department Of FY 2012 Congressiona Laboratory Table (Dollars In Thousand	al Budget	2/10/2011 4:54:18PM Page 10 of 126
Brookhaven National Laboratory	FY 2010 Appropriation	FY 2012 Request
Total Science	\$567,125	\$560,253
Weapons Activities Readiness in Technical Base and Facilities Readiness in Technical Base and Facilities	\$150	\$0
Nuclear Couterterrorism Incident Response Nuclear Weapons Incident Response	\$1,787	\$1,970
Total Weapons Activities	\$1,937	\$1,970
Other Defense Activities Health Safety and Security Health Safety and Security (All other)	\$454	\$454
Total Other Defense Activities	\$454	\$454
Defense Nuclear Nonproliferation Nonproliferation and Verification R&D		
Nonproliferation and Verification R&D Nonproliferation and International Security	\$4,195	\$2,239
Nonproliferation and International Security Non Proliferation Programs with Russia	\$5,868	\$4,098
International Nuclear Materials Protection & Cooperation Global Threat Reduction Initiative	\$18,169	\$12,500
Global Threat Reduction Initiative	\$460	\$681
Total Defense Nuclear Nonproliferation	\$28,692	\$19,518
Total Brookhaven National Laboratory	\$619,686	\$595,567

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 11 of 126
Brookhaven Site Office	FY 2010 Appropriation	FY 2012 Request
Science Program Direction		
Program Direction	\$5,132	\$5,235
Total Science	\$5,132	\$5,235
Total Brookhaven Site Office	\$5,132	\$5,235

2/10/2011 4:54:18PM Page 12 of 126

Isbad Area Office	FY 2010 Appropriation	FY 2012 Reques
Other Defense Activities		
Health Safety and Security		
Health Safety and Security (All other)	\$100	\$100
Total Other Defense Activities	\$100	\$100
Defense Environmental Cleanup		
Waste Isolation Pilot Plant		
Transportation	\$26,784	\$28,771
Program Direction		
Program Direction	\$9,106	\$9,564
Safeguards and Security		
Safeguards and Security	\$4,644	\$4,845
Total Defense Environmental Cleanup	\$40,534	\$43,180
al Carlsbad Area Office	\$40,634	\$43,280

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 13 of 126

cago Operations Office	FY 2010 Appropriation	FY 2012 Reques
Electricity Delivery and Energy Reliability		
Electricity Delivery and Energy Reliability		
Research and Development	\$100	\$0
Program Direction	\$220	\$0
Total Electricity Delivery and Energy Reliability	\$320	\$0
Total Electricity Delivery and Energy Reliability	\$320	\$0
Nuclear Energy		
Generation IV Nuclear Energy Systems		
Generation IV Nuclear Energy Systems	\$45	\$0
Total Nuclear Energy	\$45	\$0
Energy Efficiency and Renewable Energy		
Energy Efficiency and Renewable Energy		
Wind Energy	\$95	\$0
Solar Energy	\$21,446	\$0
Total Energy Efficiency and Renewable Energy	\$21,541	\$0
Total Energy Efficiency and Renewable Energy	\$21,541	\$(
Science		
High Energy Physics		
High Energy Physics	\$137,323	\$129,63
Nuclear Physics		
Nuclear Physics	\$88,854	\$71,53
Biological and Environmental Research		
Biological and Environmental Research	\$173,442	\$159,19
Basic Energy Sciences		
Basic Energy Sciences	\$290,554	\$243,24
Fusion Energy Sciences Program		
Fusion Energy Sciences Program	\$154,541	\$137,156
Science Laboratories Infrastructure		
Science Laboratories Infrastructure	\$809	\$1,38
Advanced Scientific Computing Research		
Advanced Scientific Computing Research	\$61,892	\$20,01
Program Direction	•	
Program Direction	\$35,961	\$32,23
Small Business Innovative Research		•
Small Business Innovative Research	\$167,529	\$
Safeguards and Security	<b>\$</b> 222	¢40
Safeguards and Security	\$988	\$13
Workforce Development for Teachers and Scientists	¢ 470	<b>.</b>
Workforce Development for Teachers and Scientists	\$473	\$149
Congressionally Directed Projects Congressionally Directed Projects	\$73,765	\$0
Total Science	\$1,186,131	\$794,683

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 14 of 126

cago Operations Office	FY 2010 Appropriation	FY 2012 Request
Weapons Activities		
Inertial Confinement Fusion and High Yield Campaign		
Inertial Confinement Fusion and High Yield Campaign	\$8	\$0
Advanced Simulation & Computing Campaign		
Advanced Simulation & Computing Campaign	\$5,311	\$0
Readiness Campaign		
Readiness Campaign	\$9,672	\$0
Total Weapons Activities	\$14,991	\$0
Other Defense Activities		
Health Safety and Security		
Health Safety and Security (All other)	\$345	\$345
Total Other Defense Activities	\$345	\$345
Departmental Administration		
Cost of Work for Others		
Cost of Work for Others	\$6,762	\$6,762
Total Departmental Administration	\$6,762	\$6,762
Office of the Inspector General		
Office of the Inspector General		
Office of the Inspector General	\$1,551	\$1,340
Total Office of the Inspector General	\$1,551	\$1,340
al Chicago Operations Office	\$1,231,686	\$803,130

FY 2	Department Of Energy 012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 15 of 126
onsolidated Business Center	FY 2010 Appropriation	FY 2012 Request
Other Defense Activities Health Safety and Security Health Safety and Security (All other)	\$900	\$0
Total Other Defense Activities	\$900	\$0
Defense Environmental Cleanup Program Direction Program Direction	\$47,958	\$40,781
Total Defense Environmental Cleanup	\$47,958	\$40,781
otal Consolidated Business Center	\$48,858	\$40,781

Departme FY 2012 Congres Laboratory (Dollars In Th	Table	2/10/2011 4:54:18PM Page 16 of 126
East Tennessee Technology Park (K25)	FY 2010 Appropriation	FY 2012 Request
Uranium Enrichment Decon. & Decom. Fund Uranium Enrichment D&D Fund	\$205 000	¢400.747
Uranium Enrichment D&D Fund Total Uranium Enrichment Decon, & Decom, Fund	\$225,000 \$225,000	\$182,747 \$182,747
Other Defense Activities Health Safety and Security Health Safety and Security (All other) Total Other Defense Activities	\$18 \$18	\$25 \$25
		· · · · · ·
Oak Ridge Reservation Soil and Water Remediation - Offsites Program Support	\$1,900	\$100
Community, Regulatory and Program Support Safeguards and Security	\$0	\$18,500
Safeguards and Security	\$32,400	\$17,300
Total Defense Environmental Cleanup	\$34,300	\$35,900
Total East Tennessee Technology Park (K25)	\$259,318	\$218,672

FY 2012 Co Labo	partment Of Energy ongressional Budget ratory Table rs In Thousands)	2/10/2011 4:54:18PM Page 17 of 126
Energy Technology Engineering Center	FY 2010 Appropriation	FY 2012 Request
Non-Defense Environmental Cleanup Small Sites Small Sites	\$10,500	\$10,679
Total Non-Defense Environmental Cleanup	\$10,500	\$10,679
Total Energy Technology Engineering Center	\$10,500	\$10,679

2/10/2011 4:54:18PM Page 18 of 126

ermi National Accelerator Laboratory	FY 2010 Appropriation	FY 2012 Request
Science		
High Energy Physics		
High Energy Physics	\$412,737	\$393,425
Nuclear Physics		
Nuclear Physics	\$881	\$0
Basic Energy Sciences		
Basic Energy Sciences	\$183	\$35
Science Laboratories Infrastructure		
Science Laboratories Infrastructure	\$0	\$0
Advanced Scientific Computing Research		
Advanced Scientific Computing Research	\$827	\$315
Safeguards and Security		
Safeguards and Security	\$2,991	\$3,564
Workforce Development for Teachers and Scientists		
Workforce Development for Teachers and Scientists	\$483	\$146
Total Science	\$418,102	\$397,485
otal Fermi National Accelerator Laboratory	\$418,102	\$397,485

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 19 of 126
Fermi Site Office	FY 2010 Appropriation	FY 2012 Request
Science Program Direction Program Direction	\$2,279	\$2,601
Total Science	\$2,279	\$2,601
Total Fermi Site Office	\$2,279	\$2,601

FY 2012 Cong Laborat	tment Of Energy gressional Budget ory Table n Thousands)	2/10/2011 4:54:18PM Page 20 of 126
Fernald Environmental Management Project	FY 2010 Appropriation	FY 2012 Request
Defense Environmental Cleanup Closure Sites		
Fernald	\$1,850	\$0
Total Defense Environmental Cleanup	\$1,850	\$0
Total Fernald Environmental Management Project	\$1,850	\$0

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 21 of 126
Fernald Site	FY 2010 Appropriation	FY 2012 Request
Other Defense Activities Office of Legacy Management Legacy Management	\$19,583	\$15,102
Total Other Defense Activities	\$19,583	\$15,102
otal Fernald Site	\$19,583	\$15,102

FY 2012 La	Department Of Energy 2 Congressional Budget aboratory Table <sup>Jollars In Thousands)</sup>	2/10/2011 4:54:18PM Page 22 of 126
General Atomics Site	FY 2010 Appropriation	FY 2012 Request
Weapons Activities Inertial Confinement Fusion and High Yield C Inertial Confinement Fusion and High Yield		\$21,000
Total Weapons Activities	\$22,455	\$21,000
Total General Atomics Site	\$22,455	\$21,000

2/10/2011 4:54:18PM Page 23 of 126

den Field Office	FY 2010 Appropriation	FY 2012 Reques
Electricity Delivery and Energy Reliability Electricity Delivery and Energy Reliability		
Research and Development	\$8	\$(
Permitting Siting and Analysis	\$135	\$0
Total Electricity Delivery and Energy Reliability	\$143	\$0
Total Electricity Delivery and Energy Reliability	\$143	\$0
Energy Efficiency and Renewable Energy		
Energy Efficiency and Renewable Energy		
Biomass and Biorefinery Systems R&D	\$2,044	\$2,500
Wind Energy	\$12,233	\$67,600
Program Direction	\$29,073	\$43,05 <sup>2</sup>
Geothermal Technology	\$22,800	\$55,000
Water Power	\$24,530	\$24,888
Solar Energy	\$92,955	\$339,677
Federal Energy Management Program	\$1,100	\$1,283
Progam Support	\$350	\$8,250
Tribal Energy Activities	\$8,000	\$8,000
Congressionally Directed Projects	\$292,135	\$0
Total Energy Efficiency and Renewable Energy	\$485,220	\$550,249
Total Energy Efficiency and Renewable Energy	\$485,220	\$550,249
Science		
Workforce Development for Teachers and Scientists		
Workforce Development for Teachers and Scientists	\$485	\$16 <sup>-</sup>
Total Science	\$485	\$16 <sup>-</sup>
al Golden Field Office	\$485,848	\$550,410

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 24 of 126	
Grand Junction Office	FY 2010 Appropriation	FY 2012 Request	
Other Defense Activities Office of Legacy Management Legacy Management	\$27,030	\$32,314	
Total Other Defense Activities	\$27,030	\$32,314	
Total Grand Junction Office	\$27,030	\$32,314	

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 25 of 126

nford Site	FY 2010 Appropriation	FY 2012 Request
Non-Defense Environmental Cleanup		
Fast Flux Test Reactor Facility		
Fast Flux Test Reactor Facility	\$7,652	\$2,703
Total Non-Defense Environmental Cleanup	\$7,652	\$2,703
Other Defense Activities		
Health Safety and Security		
Health Safety and Security (All other)	\$160	\$160
Total Other Defense Activities	\$160	\$160
Defense Environmental Cleanup		
Hanford Site		
2012 Accelerated Completions	\$541,367	\$0
2035 Accelerated Completions	\$426,773	\$913,712
Central Plateau Remediation	\$0	\$0
River Corridor & Other Cleanup Operations	\$0	\$0
Total Hanford Site	\$968,140	\$913,712
Safeguards and Security		
Safeguards and Security	\$82,771	\$69,234
Total Defense Environmental Cleanup	\$1,050,911	\$982,946
al Hanford Site	\$1,058,723	\$985,809

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 26 of 126

no National Laboratory	FY 2010 Appropriation	FY 2012 Reques
Non-Defense Environmental Cleanup		
Small Sites		
Small Sites	\$5,000	\$5,131
Total Non-Defense Environmental Cleanup	\$5,000	\$5,131
Electricity Delivery and Energy Reliability		
Electricity Delivery and Energy Reliability		
Research and Development	\$1,581	\$3,165
Infrastructure Security & Energy Restoration	\$0	\$200
Total Electricity Delivery and Energy Reliability	\$1,581	\$3,365
Total Electricity Delivery and Energy Reliability	\$1,581	\$3,365
Nuclear Energy		
Nuclear Power 2010		
Nuclear Power 2010	\$350	\$C
Generation IV Nuclear Energy Systems		
Generation IV Nuclear Energy Systems	\$142,002	\$C
Fuel Cycle R & D	•	•
Fuel Cycle R & D	\$53,876	\$32,785
Radiological Facilities Management	<b>A0</b> 0 40	<b>\$</b> 0.040
Radiological Facilities Management	\$9,840	\$9,840
Idaho Facilities Management	¢450.400	¢4.40.000
Idaho Facilities Management	\$159,488	\$142,200
Nuclear Energy Enabling Technologies	\$0	¢15 506
Nuclear Energy Enabling Technologies Reactors Concepts RD&D	φŪ	\$15,586
Reactors Concepts RD&D	\$0	\$74,792
International Nuclear Energy Cooperation	ψΟ	φ/ 4,7 52
International Nuclear Energy Cooperation	\$O	\$250
Total Nuclear Energy	\$365,556	\$275,453
	<i> </i>	<i> </i>
Energy Efficiency and Renewable Energy		
Energy Efficiency and Renewable Energy	¢11.000	<b>\$0.00</b>
Biomass and Biorefinery Systems R&D Wind Energy	\$11,896 \$1,351	\$9,600 \$1,004
Geothermal Technology	\$410	\$1,004
Water Power	\$940	\$1,000
Vehicle Technologies	\$9,000	\$9,000
Industrial Technologies	\$578	¢0,000 \$(
Federal Energy Management Program	\$800	\$241
Progam Support	\$0	\$100
Total Energy Efficiency and Renewable Energy	\$24,975	\$20,945
Total Energy Efficiency and Renewable Energy	\$24,975	\$20,945

Science

2/10/2011 4:54:18PM Page 27 of 126

o National Laboratory	FY 2010 Appropriation	FY 2012 Reques
Biological and Environmental Research		
Biological and Environmental Research	\$1,972	\$1,310
Basic Energy Sciences		
Basic Energy Sciences	\$1,723	\$1,822
Fusion Energy Sciences Program		
Fusion Energy Sciences Program	\$2,242	\$2,222
Workforce Development for Teachers and Scientists		
Workforce Development for Teachers and Scientists	\$166	\$336
Congressionally Directed Projects		
Congressionally Directed Projects	\$972	\$0
Total Science	\$7,075	\$5,690
Weapons Activities		
Directed Stockpile Work		
Directed Stockpile Work	\$180	\$0
Site Stewardship		
Site Stewardship	\$0	\$4,300
Readiness Campaign		. ,
Readiness Campaign	\$2,595	\$3,845
Readiness in Technical Base and Facilities		
Readiness in Technical Base and Facilities	\$5,045	\$0
Nuclear Couterterrorism Incident Response		
Nuclear Weapons Incident Response	\$615	\$678
Total Weapons Activities	\$8,435	\$8,823
Other Defense Activities		
Idaho Sitewide Safeguards and Security		
Idaho Sitewide Safeguards and Security	\$83,305	\$96,198
Health Safety and Security	400,000	φου, ιου
Health Safety and Security (All other)	\$2,035	\$755
Total Other Defense Activities	\$85,340	\$96,953
Defense Nuclear Nonproliferation		
Nonproliferation and Verification R&D		
Nonproliferation and Verification R&D	\$3,745	\$3,204
Nonproliferation and International Security	φ <b>3</b> ,745	\$3,202
	\$8,098	¢7.066
Nonproliferation and International Security Non Proliferation Programs with Russia	<b>ФО,090</b>	\$7,966
International Nuclear Materials Protection & Cooperation	\$2,525	\$2,424
Global Threat Reduction Initiative	φ2,525	φΖ,4Ζζ
Global Threat Reduction Initiative	\$86,049	\$131,191
Total Defense Nuclear Nonproliferation	\$100,417	\$144,785
	¥,	<i>\\\\\\\\\\\\\</i>
Naval Reactors		
Naval Reactors Development	<b>#7</b> 0,000	A105 001
Naval Reactors Development	\$79,200	\$105,000

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 28 of 126	
ho National Laboratory	FY 2010 Appropriation	FY 2012 Reques	
Total Naval Reactors	\$79,200	\$105,000	
Departmental Administration Cost of Work for Others Cost of Work for Others	\$1,000	\$1,000	
Total Departmental Administration	\$1,000	\$1,000	
Fossil Energy Research and Development Fuels and Other Power Systems Carbon Sequestration Advanced Research	\$0 \$170	\$850 \$(	
<i>Total Fuels and Other Power Systems</i> Natural Gas Technologies Natural Gas Technologies	\$170 \$30	\$850 \$(	
Total Fossil Energy Research and Development	\$200	\$850	
Defense Environmental Cleanup Idaho National Laboratory Soil and Water Remediation Program Support	\$464,168	\$382,769	
Community, Regulatory and Program Support	\$0	\$4,100	
Total Defense Environmental Cleanup	\$464,168	\$386,869	
al Idaho National Laboratory	\$1,142,947	\$1,054,864	

2/10/2011 4:54:18PM Page 29 of 126

no Operations Office	FY 2010 Appropriation	FY 2012 Reques
Electricity Delivery and Energy Reliability		
Electricity Delivery and Energy Reliability		
Research and Development	\$350	\$C
Total Electricity Delivery and Energy Reliability	\$350	\$C
Nuclear Energy		
University Research Program		
University Research	\$5,000	\$C
Nuclear Power 2010		
Nuclear Power 2010	\$100,110	\$C
Generation IV Nuclear Energy Systems		
Generation IV Nuclear Energy Systems	\$12,437	\$C
Fuel Cycle R & D		
Fuel Cycle R & D	\$12,068	\$33,394
Radiological Facilities Management		
Radiological Facilities Management	\$10,500	\$4,986
Idaho Facilities Management	• • • • • •	• • • • •
Idaho Facilities Management	\$12,243	\$6,300
Congressionally Directed Projects		<b>•</b>
Congressionally Directed Projects	\$2,500	\$0
Program Direction-NE	<b>*</b> 24.227	<b>AO</b> 4 4 0 0
Program Direction-NE	\$31,937	\$34,106
Nuclear Energy Enabling Technologies	<b>*</b> 0	<b>ФОГ 440</b>
Nuclear Energy Enabling Technologies	\$0	\$25,112
Reactors Concepts RD&D	<b>C</b>	¢1 047
Reactors Concepts RD&D LWR SMR Licensing Technical Support	\$0	\$1,947
<b>e</b>	\$0	¢67.000
LWR SMR Licensing Technical Support	·	\$67,000
Total Nuclear Energy	\$186,795	\$172,845
Weapons Activities		
Nuclear Couterterrorism Incident Response	£1 200	¢1 400
Nuclear Weapons Incident Response	\$1,299	\$1,400
Total Weapons Activities	\$1,299	\$1,400
Other Defense Activities		
Idaho Sitewide Safeguards and Security		
Idaho Sitewide Safeguards and Security	\$53	\$2,302
Health Safety and Security		
Health Safety and Security (All other)	\$565	\$565
Total Other Defense Activities	\$618	\$2,867
Office of the Inspector General		
Office of the Inspector General		
Office of the Inspector General	\$1,086	\$1,205
Total Office of the Inspector General	\$1,086	\$1,205

FY	Department Of Energy 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 30 of 126
Idaho Operations Office	FY 2010 Appropriation	FY 2012 Request
Defense Environmental Cleanup Program Direction Program Direction	\$11,399	\$11,211
Total Defense Environmental Cleanup	\$11,399	\$11,211
Total Idaho Operations Office	\$201,547	\$189,528

FY 2012 La	Department Of Energy Congressional Budget aboratory Table ollars In Thousands)	2/10/2011 4:54:18PM Page 31 of 126
Inhalation Toxicology Research Institute	FY 2010 Appropriation	FY 2012 Request
Non-Defense Environmental Cleanup Small Sites Small Sites	\$580	\$0
Total Non-Defense Environmental Cleanup	\$580	\$0
Total Inhalation Toxicology Research Institute	\$580	\$0

#### 2/10/2011 4:54:18PM Page 32 of 126

\$221,021	¢260.00
	<b>ФОСО О</b> О
	¢060.00
<b>A2</b> 4 2 4	\$268,88
00.404	
\$3,121	\$1,88
\$4,426	\$2,86
\$880	\$
\$11,060	\$11,30
\$5,087	\$5,58
\$16,614	\$52,66
	. ,
\$123,843	\$162,18
	. ,
\$23,897	\$22,54
	. ,
\$3,782	\$2,54
	. ,
\$16,855	\$15,00
\$430,586	\$545,47
\$3	\$3
·	\$3
• -	
¢25	\$2
\$25	φ2
¢0 500	ድጋ ደደ
. ,	\$2,55
\$2,608	\$2,58
\$433,197	\$548,09
	\$880 \$11,060 \$5,087 \$16,614 \$123,843 \$23,897 \$3,782 \$16,855 \$430,586 \$430,586 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$25 \$2,583 \$2,608

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 33 of 126
Kansas City Site Office	FY 2010 Appropriation	FY 2012 Request
Nuclear Energy Idaho Facilities Management		
Idaho Facilities Management	\$500	\$0
Total Nuclear Energy	\$500	\$0
Office of the Administrator Office of the Administrator		
Office of the Administrator	\$5,972	\$6,677
Total Office of the Administrator	\$5,972	\$6,677
Total Kansas City Site Office	\$6,472	\$6,677

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 34 of 126
Knolls Atomic Power Laboratory	FY 2010 Appropriation	FY 2012 Request
Naval Reactors Naval Reactors Development Naval Reactors Development	\$391,800	\$455,500
Total Naval Reactors	\$391,800	\$455,500
Total Knolls Atomic Power Laboratory	\$391,800	\$455,500

FY 2012 Congres	Department Of Energy FY 2012 Congressional Budget		
Laboratory (Dollars In Ti		Page 35 of 126	
vrence Berkeley National Laboratory	FY 2010 Appropriation	FY 2012 Reques	
Electricity Delivery and Energy Reliability			
Electricity Delivery and Energy Reliability	•• •••	<b>A</b>	
Research and Development	\$3,890	\$7,850	
Permitting Siting and Analysis	\$3,358	\$3,92	
Total Electricity Delivery and Energy Reliability	\$7,248	\$11,77	
Total Electricity Delivery and Energy Reliability	\$7,248	\$11,77 <sup>-</sup>	
Nuclear Energy			
Generation IV Nuclear Energy Systems			
Generation IV Nuclear Energy Systems Fuel Cycle R & D	\$200	\$	
Fuel Cycle R & D	\$1,345	\$2,254	
Nuclear Energy Enabling Technologies			
Nuclear Energy Enabling Technologies	\$0	\$54	
Total Nuclear Energy	\$1,545	\$2,79	
Energy Efficiency and Renewable Energy			
Energy Efficiency and Renewable Energy			
Biomass and Biorefinery Systems R&D	\$0	\$3,00	
Wind Energy	\$590	\$45	
Geothermal Technology	\$3,665	\$5,00	
Hydrogen Technology	\$4,491	\$4,20	
Solar Energy	\$400	\$	
Vehicle Technologies	\$14,317	\$14,00	
Building Technologies	\$19,980	\$54,68	
Industrial Technologies	\$2,876	\$2,56	
Federal Energy Management Program	\$3,597	\$4,16	
Progam Support	\$2,105	\$2,52	
State Energy Program Grants	\$500	\$50	
Total Energy Efficiency and Renewable Energy	\$52,521	\$91,08	
Total Energy Efficiency and Renewable Energy	\$52,521	\$91,088	
Science			
High Energy Physics			
High Energy Physics	\$59,848	\$45,93	
Nuclear Physics			
Nuclear Physics	\$31,249	\$20,24	
Biological and Environmental Research			
Biological and Environmental Research	\$127,688	\$132,25	
Basic Energy Sciences			
Basic Energy Sciences	\$152,988	\$162,01	
Fusion Energy Sciences Program			
Fusion Energy Sciences Program	\$4,907	\$4,59	
Science Laboratories Infrastructure	. ,	+ ,	
Science Laboratories Infrastructure	\$34,027	\$12,97	
	<i>+•</i> ·,•=·	÷ - 2,01	

Department FY 2012 Congressi Laboratory Ta (Dollars In Thou	onal Budget able	2/10/2011 4:54:18PM Page 36 of 126
awrence Berkeley National Laboratory	FY 2010 Appropriation	FY 2012 Request
Advanced Scientific Computing Research Advanced Scientific Computing Research Safeguards and Security	\$107,730	\$94,372
Safeguards and Security Workforce Development for Teachers and Scientists	\$5,184	\$5,096
Workforce Development for Teachers and Scientists	\$810	\$1,201
Total Science	\$524,431	\$478,684
Other Defense Activities Health Safety and Security Health Safety and Security (All other)	\$126	\$0
Total Other Defense Activities	\$126	\$0
Defense Nuclear Nonproliferation Nonproliferation and Verification R&D Nonproliferation and Verification R&D Nonproliferation and International Security Nonproliferation and International Security	\$6,212 \$323	\$2,986 \$303
Total Defense Nuclear Nonproliferation	\$6,535	\$3,289
Fossil Energy Research and Development Fuels and Other Power Systems		
Carbon Sequestration Advanced Research Innovations for Existing Plants Advanced Turbines	\$1,191 \$50 \$250 \$1,700	\$1,000 \$50 \$250 \$300
Total Fuels and Other Power Systems Natural Gas Technologies	\$3,191	\$1,600
Natural Gas Technologies	\$410	\$0
Total Fossil Energy Research and Development	\$3,601	\$1,600
tal Lawrence Berkeley National Laboratory	\$596,007	\$589,229

Department FY 2012 Congression Laboratory Ta (Dollars In Thou	onal Budget able	2/10/2011 4:54:18PM Page 37 of 126
rence Livermore National Laboratory	FY 2010 Appropriation	FY 2012 Request
Nuclear Energy		
Generation IV Nuclear Energy Systems		
Generation IV Nuclear Energy Systems	\$358	\$0
Fuel Cycle R & D	¢4 с <b>7</b> 0	¢0,000
Fuel Cycle R & D Nuclear Energy Enabling Technologies	\$4,573	\$2,693
Nuclear Energy Enabling Technologies	\$0	\$2,116
Reactors Concepts RD&D	Ψΰ	ψ2,110
Reactors Concepts RD&D	\$0	\$415
International Nuclear Energy Cooperation		
International Nuclear Energy Cooperation	\$0	\$250
Total Nuclear Energy	\$4,931	\$5,474
Energy Efficiency and Renewable Energy		
Energy Efficiency and Renewable Energy		
Wind Energy	\$1,292	\$352
Geothermal Technology	\$0	\$1,400
Hydrogen Technology	\$2,105	\$1,800
Vehicle Technologies	\$3,700	\$3,700
Progam Support	\$0	\$100
Total Energy Efficiency and Renewable Energy	\$7,097	\$7,352
Total Energy Efficiency and Renewable Energy	\$7,097	\$7,352
Science		
High Energy Physics		
High Energy Physics	\$1,877	\$739
Nuclear Physics	<b>A</b>	<b>A</b>
Nuclear Physics	\$3,330	\$1,300
Biological and Environmental Research	\$17,240	\$12,880
Biological and Environmental Research Basic Energy Sciences	φ17,240	φ12,000
Basic Energy Sciences	\$4,847	\$3,973
Fusion Energy Sciences Program	ψ1,0 H	φ0,010
Fusion Energy Sciences Program	\$12,902	\$12,577
Advanced Scientific Computing Research	. ,	. ,
Advanced Scientific Computing Research	\$16,765	\$4,257
Workforce Development for Teachers and Scientists		
Workforce Development for Teachers and Scientists	\$161	\$273
Total Science	\$57,122	\$35,999
Weapons Activities		
Directed Stockpile Work		
Directed Stockpile Work	\$92,904	\$125,758
Science Campaign		
Science Campaign	\$92,225	\$106,252
Site Stewardship		
Site Stewardship	\$38,132	\$44,140

#### Department Of Energy FY 2012 Congressional Budget Laboratory Table

2/10/2011 4:54:18PM Page 38 of 126

rence Livermore National Laboratory	FY 2010 Appropriation	FY 2012 Request
Engineering Campaign		
Engineering Campaign	\$23,720	\$25,622
Inertial Confinement Fusion and High Yield Campaign		
Inertial Confinement Fusion and High Yield Campaign	\$294,404	\$291,243
Advanced Simulation & Computing Campaign		
Advanced Simulation & Computing Campaign	\$199,661	\$246,963
Defense Nuclear Security		
Defense Nuclear Security	\$95,477	\$90,530
Cyber Security		
Cyber Security	\$17,756	\$17,756
Readiness Campaign		
Readiness Campaign	\$3,171	\$0
Readiness in Technical Base and Facilities		
Readiness in Technical Base and Facilities	\$90,403	\$84,148
Nuclear Couterterrorism Incident Response		
Nuclear Weapons Incident Response	\$40,236	\$41,290
Facilities and Infrastructure Recapitalization Program		
Facilities and Infrastructure Recapitalization Program	\$10,770	\$9,381
National Security Applications		
National Security Applications	\$0	\$7,925
Total Weapons Activities	\$998,859	\$1,091,008
Other Defense Activities		
Health Safety and Security		
Health Safety and Security (All other)	\$3,010	\$3,010
Total Other Defense Activities	\$3,010	\$3,010
Defense Nuclear Nonproliferation		
Nonproliferation and Verification R&D		
Nonproliferation and Verification R&D	\$36,055	\$29,320
Nonproliferation and International Security	<i><i><i><i></i></i></i></i>	<i> </i>
Nonproliferation and International Security	\$28,653	\$24,848
Non Proliferation Programs with Russia	<i> </i>	<i> </i>
International Nuclear Materials Protection & Cooperation	\$13,724	\$25,438
Global Threat Reduction Initiative	<i>Q</i> 10,7 <u>2</u> 1	φ20,100
Global Threat Reduction Initiative	\$3,895	\$5,666
Total Defense Nuclear Nonproliferation	\$82,327	\$85,272
Fossil Energy Research and Development		
Fuels and Other Power Systems		
Carbon Sequestration	\$425	\$1,183
· · · · · · · · · · · · · · · · · · ·	·	
Total Fossil Energy Research and Development	\$425	\$1,183
Defense Environmental Cleanup		
NNSA Sites NNSA Sites	\$2,686	<b>#</b> ~~~ <b>=</b>
	\$7 686	\$635

FY 20	Department Of Energy 012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 39 of 126
Lawrence Livermore National Laboratory	FY 2010 Appropriation	FY 2012 Request
Total Defense Environmental Cleanup	\$2,686	\$635
Total Lawrence Livermore National Laboratory	\$1,156,457	\$1,229,933

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 40 of 126	
Livermore Site Office	FY 2010 Appropriation	FY 2012 Request	
Office of the Administrator Office of the Administrator			
Office of the Administrator	\$19,001	\$19,409	
Total Office of the Administrator	\$19,001	\$19,409	
Total Livermore Site Office	\$19,001	\$19,409	

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 41 of 126

Alamos National Laboratory	FY 2010 Appropriation	FY 2012 Reques
Electricity Delivery and Energy Reliability		
Electricity Delivery and Energy Reliability		
Research and Development	\$7,290	\$970
Total Electricity Delivery and Energy Reliability	\$7,290	\$970
Nuclear Energy		
Generation IV Nuclear Energy Systems		
Generation IV Nuclear Energy Systems	\$364	\$0
Fuel Cycle R & D		<b>*</b> 4 <b>*</b> • • • • •
Fuel Cycle R & D	\$17,457	\$13,693
Radiological Facilities Management	<b>\$20,000</b>	¢07.000
Radiological Facilities Management	\$32,030	\$27,000
Nuclear Energy Enabling Technologies	0.2	¢5 064
Nuclear Energy Enabling Technologies Reactors Concepts RD&D	\$0	\$5,264
Reactors Concepts RD&D	\$0	\$1,540
International Nuclear Energy Cooperation	40	ψ1,0+0
International Nuclear Energy Cooperation	\$0	\$500
Total Nuclear Energy	\$49,851	\$47,997
Energy Efficiency and Renewable Energy Energy Efficiency and Renewable Energy Wind Energy Hydrogen Technology Vehicle Technologies Industrial Technologies	\$464 \$16,798 \$580 \$1,450	\$( \$8,80( \$59( \$59(
Total Energy Efficiency and Renewable Energy	\$19,292	\$9,390
Total Energy Efficiency and Renewable Energy	\$19,292	\$9,390
Science		
High Energy Physics		
High Energy Physics	\$648	\$255
Nuclear Physics	<b>\$10,000</b>	
Nuclear Physics	\$12,930	\$15,528
Biological and Environmental Research	¢10.010	¢10.107
Biological and Environmental Research Basic Energy Sciences	\$12,210	\$18,194
Basic Energy Sciences	\$41,077	\$42,379
Fusion Energy Sciences Program	\$41,077	ψ+2,073
Fusion Energy Sciences Program	\$5,313	\$2,842
	40,010	ψ2,042
Advanced Scientific Computing Research		
Advanced Scientific Computing Research	\$6,582	\$1 020
Advanced Scientific Computing Research	\$6,582	\$1,920
	\$6,582 \$223	\$1,920 \$130

Weapons Activities

## Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)

2/10/2011 4:54:18PM Page 42 of 126

\$233,331

Alamos National Laboratory	FY 2010 Appropriation	FY 2012 Reques
Directed Stockpile Work		
Directed Stockpile Work	\$307,804	\$369,46
Science Campaign		
Science Campaign	\$114,908	\$128,019
Site Stewardship		
Site Stewardship	\$3,000	\$5,600
Engineering Campaign	<b>*</b> ~~	
Engineering Campaign	\$26,890	\$27,047
Inertial Confinement Fusion and High Yield Campaign	¢44.070	
Inertial Confinement Fusion and High Yield Campaign	\$14,873	\$15,717
Advanced Simulation & Computing Campaign	<b>\$000 FC4</b>	¢400.000
Advanced Simulation & Computing Campaign	\$202,564	\$163,326
Defense Nuclear Security	\$108,343	¢106 750
Defense Nuclear Security Cyber Security	φ100,343	\$136,753
Cyber Security	\$18,554	\$17,727
Readiness Campaign	ψ10,004	φ17,727
Readiness Campaign	\$2,127	\$0
Readiness in Technical Base and Facilities	$\psi z, \tau z \tau$	ψ
Readiness in Technical Base and Facilities	\$479,708	\$667,930
Nuclear Couterterrorism Incident Response	·····	<i>+</i> ,
Nuclear Weapons Incident Response	\$38,835	\$40,494
Facilities and Infrastructure Recapitalization Program	. ,	. ,
Facilities and Infrastructure Recapitalization Program	\$16,329	\$15,114
National Security Applications		
National Security Applications	\$0	\$6,675
Total Weapons Activities	\$1,333,935	\$1,593,863
Other Defense Activities		
Health Safety and Security		
Health Safety and Security (All other)	\$145	\$145
Total Other Defense Activities	\$145	\$145
Defense Nuclear Nonproliferation		
Nonproliferation and Verification R&D		
Nonproliferation and Verification R&D	\$78,932	\$68,383
Nonproliferation and International Security	\$10,00 <u></u>	400,000
Nonproliferation and International Security	\$33,068	\$28,343
Non Proliferation Programs with Russia	<i><i><i>voo,oooo</i></i></i>	<i>4_0,0</i>
International Nuclear Materials Protection & Cooperation	\$53,554	\$54,539
Fissile Materials Disposition	\$0	\$41,311
Total Non Proliferation Programs with Russia	\$53,554	\$95,850
Global Threat Reduction Initiative		\$40,755

Total Defense Nuclear Nonproliferation

\$190,678

FY 2012 Cor Labora	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	
os Alamos National Laboratory	FY 2010 Appropriation	FY 2012 Request
Fossil Energy Research and Development		
Fuels and Other Power Systems		
Carbon Sequestration	\$608	\$1,298
Natural Gas Technologies		
Natural Gas Technologies	\$66	\$0
Total Fossil Energy Research and Development	\$674	\$1,298
Defense Environmental Cleanup		
NNSA Sites		
NNSA Sites	\$197,500	\$357,939
Total Defense Environmental Cleanup	\$197,500	\$357,939
otal Los Alamos National Laboratory	\$1,878,348	\$2,326,181

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 44 of 126
Los Alamos Site Office	FY 2010 Appropriation	FY 2012 Request
Weapons Activities		
Readiness in Technical Base and Facilities Readiness in Technical Base and Facilities	\$1,025	\$0
Total Weapons Activities	\$1,025	\$0
Office of the Administrator Office of the Administrator	<b></b>	<b>•</b> /• • • •
Office of the Administrator	\$18,962	\$19,297
Total Office of the Administrator	\$18,962	\$19,297
Total Los Alamos Site Office	\$19,987	\$19,297

#### Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)

2/10/2011 4:54:18PM Page 45 of 126

misburg Site	FY 2010 Appropriation	FY 2012 Request
Non-Defense Environmental Cleanup		-
Closure Sites		
Closure Sites	\$620	\$0
Total Non-Defense Environmental Cleanup	\$620	\$0
Defense Environmental Cleanup		
Closure Sites		
Miamisburg	\$33,243	\$0
Total Defense Environmental Cleanup	\$33,243	\$0
al Miamisburg Site	\$33,863	\$0

FY 2012 C Labo	partment Of Energy Congressional Budget oratory Table lars In Thousands)	2/10/2011 4:54:18PM Page 46 of 126
loab Site	FY 2010 Appropriation	FY 2012 Request
Non-Defense Environmental Cleanup Small Sites		
Small Sites	\$39,000	\$31,000
Total Non-Defense Environmental Cleanup	\$39,000	\$31,000
otal Moab Site	\$39,000	\$31,000

FY 20	Department Of Energy 012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 47 of 126
Morgantown Office	FY 2010 Appropriation	FY 2012 Request
Other Defense Activities Office of Legacy Management Legacy Management	\$10,452	\$14,435
Total Other Defense Activities	\$10,452	\$14,435
Total Morgantown Office	\$10,452	\$14,435

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 48 of 126
MOUND SITE	FY 2010 Appropriation	FY 2012 Request
Other Defense Activities Office of Legacy Management Legacy Management	\$1,000	\$11,311
Total Other Defense Activities	\$1,000	\$11,311
Total MOUND SITE	\$1,000	\$11,311

2/10/2011 4:54:18PM Page 49 of 126

Laboratory Table (Dollars In Thousands)

onal Energy Technology Lab	FY 2010 Appropriation	FY 2012 Reques
Electricity Delivery and Energy Reliability		·
Electricity Delivery and Energy Reliability		
Research and Development	\$49,735	\$94,81
Program Direction	\$5,684	\$8,21
Permitting Siting and Analysis	\$855	\$2,07
Infrastructure Security & Energy Restoration	\$537	\$35
Congressionally Directed Projects	\$13,075	\$
Total Electricity Delivery and Energy Reliability	\$69,886	\$105,46
Total Electricity Delivery and Energy Reliability	\$69,886	\$105,46
Energy Efficiency and Renewable Energy		
Energy Efficiency and Renewable Energy		
Biomass and Biorefinery Systems R&D	\$100	\$
Program Direction	\$15,534	\$15,15
Hydrogen Technology	\$70	\$
Building Technologies	\$0	\$45,53
Federal Energy Management Program	\$3,251	\$37
Progam Support	\$35	\$10
Total Energy Efficiency and Renewable Energy	\$18,990	\$61,15
Total Energy Efficiency and Renewable Energy	\$18,990	\$61,15
Science		
Workforce Development for Teachers and Scientists		
Workforce Development for Teachers and Scientists	\$678	\$27
Total Science	\$678	\$27
Weapons Activities		
Directed Stockpile Work		
Directed Stockpile Work	\$2,370	\$
Readiness Campaign		
Readiness Campaign	\$5,955	\$3,93
Total Weapons Activities	\$8,325	\$3,93
Departmental Administration		
Cost of Work for Others		
Cost of Work for Others	\$300	\$30
Chief Information Officer		
Cyber Security and Secure Management	\$0	\$30
Total Departmental Administration	\$300	\$60
Office of the Inspector General		
Office of the Inspector General		
Office of the Inspector General	\$3,105	\$2,94
Total Office of the Inspector General	\$3,105	\$2,94
		φ=,0

Fossil Energy Research and Development

2/10/2011 4:54:18PM Page 50 of 126

National Energy Technology Lab	FY 2010 Appropriation	FY 2012 Request
Fuels and Other Power Systems		
Fuel Cells	\$41,483	\$0
Carbon Sequestration	\$147,720	\$124,387
Fuels	\$23,591	\$0
Advanced Research	\$18,214	\$34,266
Innovations for Existing Plants	\$49,920	\$65,012
Advanced Integrated Gasification Combined Cycle	\$61,341	\$37,500
Advanced Turbines	\$28,972	\$13,639
<i>Total Fuels and Other Power Systems</i> Natural Gas Technologies	\$371,241	\$274,804
Natural Gas Technologies	\$16,369	\$0
Program Direction		
Energy Technology Center Program Direction	\$125,150	\$127,386
Fossil Energy Environmental Restoration		
Fossil Energy Environmental Restoration	\$8,310	\$6,477
Cooperative Research & Revelopment		
Cooperative Research & Development	\$4,818	\$0
Unconventional Fossil Energy Technologies		
Unconventional Fossil Energy Technologies	\$18,540	\$0
Total Fossil Energy Research and Development	\$544,428	\$408,667
Strategic Petroleum Reserve		
Storage Facilities Development		
SPR - Facilities Development	\$982	\$1,415
Total Strategic Petroleum Reserve	\$982	\$1,415
Total National Energy Technology Lab	\$646,694	\$584,460

Department Of Energy FY 2012 Congressional Budget		2/10/2011 4:54:18PM
Laboratory Table (Dollars In Thousands)		Page 51 of 126
ional Renewable Energy Laboratory	FY 2010 Appropriation	FY 2012 Reques
Electricity Delivery and Energy Reliability		
Electricity Delivery and Energy Reliability		
Research and Development	\$4,000	\$4,000
Permitting Siting and Analysis	\$559	\$0
Total Electricity Delivery and Energy Reliability	\$4,559	\$4,000
Total Electricity Delivery and Energy Reliability	\$4,559	\$4,000
Energy Efficiency and Renewable Energy		
Energy Efficiency and Renewable Energy		
Biomass and Biorefinery Systems R&D	\$38,316	\$42,330
Wind Energy	\$38,841	\$27,449
Facilities and Infrastructure	\$19,000	\$26,407
Geothermal Technology	\$4,800	\$5,000
Hydrogen Technology	\$16,372	\$13,200
Water Power	\$4,191	\$2,95
Solar Energy	\$79,694	\$72,96
Vehicle Technologies	\$19,970	\$19,000
Building Technologies	\$18,161	\$46,220
Industrial Technologies	\$475	\$(
Federal Energy Management Program	\$5,893	\$7,29 <sup>°</sup>
Progam Support	\$20,986	\$18,225
State Energy Program Grants	\$1,400	\$1,500
Tribal Energy Activities	\$800	\$800
Total Energy Efficiency and Renewable Energy	\$268,899	\$283,340
Total Energy Efficiency and Renewable Energy	\$268,899	\$283,340
Science		
Biological and Environmental Research		
Biological and Environmental Research	\$1,136	\$878
Basic Energy Sciences	<i> </i>	φ <b>σ</b> ι.
Basic Energy Sciences	\$13,231	\$12,61 <sup>-</sup>
Advanced Scientific Computing Research	¢:0,20:	<b>↓</b> . <u></u> , <b>○</b> .
Advanced Scientific Computing Research	\$522	\$0
Workforce Development for Teachers and Scientists	ψυΖΖ	Ψ(
Workforce Development for Teachers and Scientists	\$65	\$50 <sup>2</sup>
· · ·	· ·	
Total Science	\$14,954	\$13,990
Departmental Administration		
Cost of Work for Others		
Cost of Work for Others	\$200	\$200
Total Departmental Administration	\$200	\$200
al National Renewable Energy Laboratory	\$288,612	\$301,530

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 52 of 126
Naval Petroleum Reserve No 1	FY 2010 Appropriation	FY 2012 Request
Naval Petroleum and Oil Shale Reserves Naval Petroleum and Oil Shale Reserves		
Productions Operations Management	\$4,000 \$1,740	\$2,480 \$2,000
Total Naval Petroleum and Oil Shale Reserve	· ·	\$4,480
Total Naval Petroleum and Oil Shale Reserves	\$5,740	\$4,480
Total Naval Petroleum Reserve No 1	\$5,740	\$4,480

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 53 of 126
Naval Petroleum Reserve No 3	FY 2010 Appropriation	FY 2012 Request
Naval Petroleum and Oil Shale Reserves Naval Petroleum and Oil Shale Reserves		
Productions Operations Management	\$6,866 \$5,729	\$3,000 \$6,179
Total Naval Petroleum and Oil Shale Reserves	\$12,595	\$9,179
Total Naval Petroleum and Oil Shale Reserves	\$12,595	\$9,179
Total Naval Petroleum Reserve No 3	\$12,595	\$9,179

Department C FY 2012 Congression Laboratory Tal (Dollars In Thousa	nal Budget ble	2/10/2011 4:54:18PM Page 54 of 126
laval Research Laboratory	FY 2010 Appropriation	FY 2012 Request
Weapons Activities		
Science Campaign		
Science Campaign	\$3,512	\$2,060
Inertial Confinement Fusion and High Yield Campaign		
Inertial Confinement Fusion and High Yield Campaign	\$80	\$5,000
Total Weapons Activities	\$3,592	\$7,060
Naval Reactors		
Program Direction		
Program Direction	\$18,300	\$20,828
Total Naval Reactors	\$18,300	\$20,828
otal Naval Research Laboratory	\$21,892	\$27,888

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 55 of 126
NE Home Heating Oil Reserve Project Office	FY 2010 Appropriation	FY 2012 Request
Northeast Home Heating Oil Reserve Account Northeast Home Heating Oil Reserve		
Northeast Home Heating Oil Reserve	\$0	\$9,744
Total Northeast Home Heating Oil Reserve Account	\$0	\$9,744
Total NE Home Heating Oil Reserve Project Office	\$0	\$9,744

#### 2/10/2011 4:54:18PM Page 56 of 126

vada National Security Site	FY 2010 Appropriation	FY 201 Reque
Weapons Activities		
Directed Stockpile Work		
Directed Stockpile Work	\$51,245	\$20,80
Science Campaign		
Science Campaign	\$23,743	\$32,00
Site Stewardship		
Site Stewardship	\$0	\$2,62
Inertial Confinement Fusion and High Yield Campaign		
Inertial Confinement Fusion and High Yield Campaign Advanced Simulation & Computing Campaign	\$2,990	
Advanced Simulation & Computing Campaign	\$75	S
Readiness Campaign	<b>\$</b> 75	,
Readiness Campaign	\$500	S
Readiness in Technical Base and Facilities	<b>\$666</b>	·
Readiness in Technical Base and Facilities	\$109,050	\$119,6 <sup>,</sup>
Secure Transportation Asset	\$100,000	φ110,0
Secure Transportation Asset	\$4,278	\$2
Nuclear Couterterrorism Incident Response	<i> </i>	Ψ=
Nuclear Weapons Incident Response	\$45,208	\$46,3
Facilities and Infrastructure Recapitalization Program	···;	+ ; - ;
Facilities and Infrastructure Recapitalization Program	\$8,007	\$6,5
National Security Applications	+-,	+-,-
National Security Applications	\$0	\$10
Total Weapons Activities	\$245,096	\$228,3
Defense Nuclear Nonproliferation		
Nonproliferation and Verification R&D		
Nonproliferation and Verification R&D	\$18,941	\$58,7
Total Defense Nuclear Nonproliferation	\$18,941	\$58,7
Defense Environmental Cleanup		
NNSA Sites		
NNSA Sites	\$57,794	\$58,8
Total Defense Environmental Cleanup	\$57,794	\$58,8
al Nevada National Security Site	\$321,831	\$345,93
	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	\$510,0

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 57 of 126
Nevada Operations Office	FY 2010 Appropriation	FY 2012 Request
Science Basic Energy Sciences Basic Energy Sciences	\$244	\$244
Total Science	\$244	\$244
Total Nevada Operations Office	\$244	\$244

#### Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)

2/10/2011 4:54:18PM Page 58 of 126

vada Site Office	FY 2010 Appropriation	FY 2012 Request
Nuclear Energy		
Program Direction-NE	<b>0</b> 0	<b>.</b>
Program Direction-NE	\$0	\$4,235
Total Nuclear Energy	\$0	\$4,235
Weapons Activities		
Defense Nuclear Security	<b>4</b>	<b>•</b>
Defense Nuclear Security	\$76,000	\$74,075
Cyber Security	\$4,000	¢4.000
Cyber Security Readiness in Technical Base and Facilities	\$4,000	\$4,000
Readiness in Technical Base and Facilities	\$5,215	\$0
Total Weapons Activities	\$85,215	\$78,075
rolar weapons Activities	<i>403,213</i>	ψ/0,0/5
Other Defense Activities		
Health Safety and Security	• • • • •	<b>•</b>
Health Safety and Security (All other)	\$3,185	\$155
Total Other Defense Activities	\$3,185	\$155
Office of the Administrator		
Office of the Administrator		
Office of the Administrator	\$18,200	\$18,407
Total Office of the Administrator	\$18,200	\$18,407
Office of the Inspector General		
Office of the Inspector General		
Office of the Inspector General	\$1,552	\$1,072
Total Office of the Inspector General	\$1,552	\$1,072
Nuclear Waste Fund		
Nuclear Waste Disposal		
Repository Program	\$7,500	\$0
Prog. Mgmt. & Int (S & T)	\$6,200	\$0
Total Nuclear Waste Disposal	\$13,700	\$0
Total Nuclear Waste Fund	\$13,700	\$0
Defense Nuclear Waste Disposal		
Defense Nuclear Waste Disposal		
Defense Nuclear Waste Disposal	\$58,400	\$0
Total Defense Nuclear Waste Disposal	\$58,400	\$0
	. ,	
Defense Environmental Cleanup		
Program Direction Program Direction	\$3,849	\$3,821
Program Support	<b>40,049</b>	\$3,621
Community, Regulatory and Program Support	\$0	\$2,620
commany, regulatory and rogian capport	<b>4</b> 0	<i>\\</i> 2,020

F	Department Of Energy Y 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 59 of 126
Nevada Site Office	FY 2010 Appropriation	FY 2012 Request
NNSA Sites		
NNSA Sites	\$16,611	\$4,508
Total Defense Environmental Cleanup	\$20,460	\$10,949
Total Nevada Site Office	\$200,712	\$112,893

	rtment Of Energy gressional Budget	2/10/2011 4:54:18PM
	tory Table In Thousands)	Page 60 of 126
New Brunswick Laboratory	FY 2010 Appropriation	FY 2012 Request
Science		
Program Direction		
Program Direction	\$6,132	\$6,720
Safeguards and Security		
Safeguards and Security	\$33	\$0
Total Science	\$6,165	\$6,720
Weapons Activities		
Nuclear Couterterrorism Incident Response		
Nuclear Weapons Incident Response	\$210	\$232
Total Weapons Activities	\$210	\$232
Defense Nuclear Nonproliferation		
Nonproliferation and International Security		
Nonproliferation and International Security	\$3,559	\$993
Total Defense Nuclear Nonproliferation	\$3,559	\$993
Total New Brunswick Laboratory	\$9,934	\$7,945

Laboratory Table

(Dollars In Thousands)

#### 2/10/2011 4:54:18PM Page 61 of 126

FY 2010 FY 2012 **NNSA Service Center** Appropriation Request Non-Defense Environmental Cleanup **Small Sites Small Sites** \$262 \$0 Total Non-Defense Environmental Cleanup \$262 \$0 Weapons Activities **Directed Stockpile Work Directed Stockpile Work** \$10,374 \$27,063 Science Campaign Science Campaign \$21,548 \$0 Site Stewardship Site Stewardship \$0 \$3,000 **Engineering Campaign Engineering Campaign** \$362 \$0 Inertial Confinement Fusion and High Yield Campaign Inertial Confinement Fusion and High Yield Campaign \$8,795 \$0 Advanced Simulation & Computing Campaign Advanced Simulation & Computing Campaign \$0 \$21,264 **Defense Nuclear Security Defense Nuclear Security** \$8,000 \$8,200 Cyber Security Cyber Security \$4,438 \$4,438 **Readiness Campaign Readiness Campaign** \$0 \$27,880 Readiness in Technical Base and Facilities **Readiness in Technical Base and Facilities** \$17,158 \$1,494 Secure Transportation Asset Secure Transportation Asset \$176,339 \$204,343 Nuclear Couterterrorism Incident Response Nuclear Weapons Incident Response \$27,523 \$29,898 **Congressionally Directed Projects Congressionally Directed Projects** \$3,000 \$0 Total Weapons Activities \$301,176 \$303,941 Other Defense Activities Health Safety and Security Health Safety and Security (All other) \$1,758 \$1,160 Total Other Defense Activities \$1,758 \$1,160 **Defense Nuclear Nonproliferation** Nonproliferation and Verification R&D Nonproliferation and Verification R&D \$16,749 \$24,325 Nonproliferation and International Security Nonproliferation and International Security \$16,877 \$15,832

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 62 of 126

SA Service Center	FY 2010 Appropriation	FY 2012 Reque
Non Proliferation Programs with Russia	••••	· · · · ·
International Nuclear Materials Protection & Cooperation	n \$88,425	\$92,70
Elimination of Weapons -Grade Plutonium Production P		\$
Fissile Materials Disposition	\$2,575	\$12,83
Total Non Proliferation Programs with Russia	\$113,507	\$105,53
Global Threat Reduction Initiative		
Global Threat Reduction Initiative	\$73,560	\$108,96
Congrssionally Directed Projects		
Congrssionally Directed Projects	\$250	\$
Total Defense Nuclear Nonproliferation	\$220,943	\$254,64
Office of the Administrator		
Office of the Administrator		
Office of the Administrator	\$73,186	\$80,01
Congressionally Directed Projects		
Cogressionally Directed Projects	\$13,000	\$
Total Office of the Administrator	\$86,186	\$80,01
Departmental Administration		
Cost of Work for Others		
Cost of Work for Others	\$7,150	\$7,15
Chief Information Officer		
Cyber Security and Secure Management	\$0	\$2,00
Total Departmental Administration	\$7,150	\$9,15
Office of the Inspector General		
Office of the Inspector General		
Office of the Inspector General	\$7,763	\$6,96
Total Office of the Inspector General	\$7,763	\$6,96
Nuclear Waste Fund		
Nuclear Waste Disposal		
Program Direction	\$1,000	
Total Nuclear Waste Fund	\$1,000	9
Defense Environmental Cleanup		
Program Direction		
Program Direction	\$7,061	\$6,19
Program Support		
Community, Regulatory and Program Support	\$0	\$3,63
NNSA Sites		
NNSA Sites	\$3,176	\$23
Total Defense Environmental Cleanup	\$10,237	\$10,07

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 63 of 126

k Ridge Institute for Science & Education	FY 2010 Appropriation	FY 2012 Reques
Science		
High Energy Physics		
High Energy Physics	\$1,137	\$
Nuclear Physics		
Nuclear Physics	\$1,086	\$60
Biological and Environmental Research		
Biological and Environmental Research	\$7,653	\$4,17
Basic Energy Sciences		
Basic Energy Sciences	\$5,473	\$15
Fusion Energy Sciences Program		
Fusion Energy Sciences Program	\$1,935	\$1,45
Advanced Scientific Computing Research		
Advanced Scientific Computing Research	\$1,765	\$
Program Direction		
Program Direction	\$8	9
Safeguards and Security		
Safeguards and Security	\$1,626	\$1,64
Workforce Development for Teachers and Scientists		
Workforce Development for Teachers and Scientists	\$9,418	\$18,27
Total Science	\$30,101	\$26,29
Weapons Activities		
Science Campaign		
Science Campaign	\$95	9
Inertial Confinement Fusion and High Yield Campaign		
Inertial Confinement Fusion and High Yield Campaign	\$325	9
Nuclear Couterterrorism Incident Response		
Nuclear Weapons Incident Response	\$15,293	\$15,75
Total Weapons Activities	\$15,713	\$15,75
Other Defense Activities		
Health Safety and Security		
Health Safety and Security (All other)	\$2,429	\$2,03
Total Other Defense Activities	\$2,429	\$2,03
Defense Nuclear Nonproliferation		
Nonproliferation and International Security		
Nonproliferation and International Security	\$72	\$6
Non Proliferation Programs with Russia	$\varphi I Z$	φι
International Nuclear Materials Protection & Cooperation	\$48	9
Total Defense Nuclear Nonproliferation	\$120	\$6
al Oak Didge Institute for Science & Education	¢40.262	<i>Флал</i> г
al Oak Ridge Institute for Science & Education	\$48,363	\$44,15

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 64 of 126

Ridge National Laboratory	FY 2010 Appropriation	FY 201 Reque
Electricity Delivery and Energy Reliability		
Electricity Delivery and Energy Reliability		
Research and Development	\$15,710	\$12,34
Permitting Siting and Analysis	\$229	\$89
Infrastructure Security & Energy Restoration	\$100	\$30
Total Electricity Delivery and Energy Reliability	\$16,039	\$13,54
Total Electricity Delivery and Energy Reliability	\$16,039	\$13,54
Nuclear Energy		
Nuclear Power 2010	• • • •	
Nuclear Power 2010	\$300	
Generation IV Nuclear Energy Systems	•••	
Generation IV Nuclear Energy Systems	\$31,210	
Fuel Cycle R & D	<b>\$</b> 40.005	<b>\$40.0</b>
Fuel Cycle R & D	\$10,605	\$13,67
Radiological Facilities Management	¢45,400	ድር ላር
Radiological Facilities Management Nuclear Energy Enabling Technologies	\$15,160	\$5,16
<i>c, c</i>	\$0	¢00.40
Nuclear Energy Enabling Technologies Reactors Concepts RD&D	<b>Φ</b> 0	\$32,13
Reactors Concepts RD&D	\$0	\$17,59
International Nuclear Energy Cooperation	40	ψ17,00
International Nuclear Energy Cooperation	\$0	\$10
Total Nuclear Energy	\$57,275	\$68,66
Energy Efficiency and Renewable Energy		
Energy Efficiency and Renewable Energy		
Biomass and Biorefinery Systems R&D	\$5,745	\$6,23
Wind Energy	\$1,660	\$27
Geothermal Technology	\$700	\$1,40
Hydrogen Technology	\$6,967	\$4,20
Water Power	\$7,340	\$1,74
Solar Energy	\$213	\$1,00
Vehicle Technologies	\$49,446	\$44,00
Building Technologies	\$16,731 \$24,458	\$21,79
Industrial Technologies Federal Energy Management Program	\$24,458 \$4,013	\$5,72 \$2,67
Progam Support	\$647	\$99
Weatherization Assistance	\$600	\$2,00
State Energy Program Grants	\$425	\$2,50
Total Energy Efficiency and Renewable Energy	\$118,945	\$94,5
Total Energy Efficiency and Renewable Energy	\$118,945	\$94,55

High Energy Physics High Energy Physics

\$0

\$79

2/10/2011 4:54:18PM Page 65 of 126

Ridge National Laboratory	FY 2010 Appropriation	FY 2012 Reques
Nuclear Physics		
Nuclear Physics	\$34,864	\$38,483
Biological and Environmental Research		
Biological and Environmental Research	\$74,024	\$70,777
Basic Energy Sciences		
Basic Energy Sciences	\$343,956	\$350,862
Fusion Energy Sciences Program		
Fusion Energy Sciences Program	\$153,756	\$118,716
Advanced Scientific Computing Research		
Advanced Scientific Computing Research	\$104,871	\$96,95
Safeguards and Security		
Safeguards and Security	\$9,320	\$9,053
Workforce Development for Teachers and Scientists		. ,
Workforce Development for Teachers and Scientists	\$0	\$2 <sup>-</sup>
Total Science	\$720,870	\$684,867
Weapons Activities	. ,	
Directed Stockpile Work		
Directed Stockpile Work	\$15	\$
Site Stewardship	\$15	ψ
Site Stewardship	\$0	\$3,00
Advanced Simulation & Computing Campaign	<b>4</b> 0	φ3,000
	\$383	\$
Advanced Simulation & Computing Campaign Readiness in Technical Base and Facilities	<b>4303</b>	φι
	¢0.474	¢
Readiness in Technical Base and Facilities	\$3,174	\$0
Nuclear Couterterrorism Incident Response	¢4.050	¢4.000
Nuclear Weapons Incident Response	\$1,259	\$1,388
Total Weapons Activities	\$4,831	\$4,388
Other Defense Activities		
Health Safety and Security		
Health Safety and Security (All other)	\$1,853	\$720
Total Other Defense Activities	\$1,853	\$720
Defense Nuclear Nonproliferation		
Nonproliferation and Verification R&D		
Nonproliferation and Verification R&D	\$18,450	\$13,190
Nonproliferation and International Security		
Nonproliferation and International Security	\$25,324	\$22,26
Non Proliferation Programs with Russia		
International Nuclear Materials Protection & Cooperation	ח \$120,387	\$157,339
Fissile Materials Disposition	\$0	\$4,89
	ΨΟ	
Total Non Proliferation Programs with Russia	\$120,387	\$162,236
•		\$162,236

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 66 of 126	
K Ridge National Laboratory	FY 2010 Appropriation	FY 2012 Request	
Total Defense Nuclear Nonproliferation	\$175,506	\$215,193	
Fossil Energy Research and Development Fuels and Other Power Systems Advanced Research Advanced Turbines	\$3,125 \$486	\$375 \$300	
Total Fuels and Other Power Systems Natural Gas Technologies	\$3,611	\$675	
Natural Gas Technologies Total Fossil Energy Research and Development	\$150 \$3,761	\$0 \$675	
Defense Environmental Cleanup Oak Ridge Reservation Soil and Water Remediation - Offsites	\$90,199	\$44,000	
Total Defense Environmental Cleanup	\$90,199	\$44,000	
Strategic Petroleum Reserve Management for SPR Operations Management	\$361	\$390	
Total Strategic Petroleum Reserve	\$361	\$390	
al Oak Ridge National Laboratory	\$1,189,640	\$1,126,987	

FY 2012 Cong Laborate	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	
Oak Ridge National Laboratory Site Office	FY 2010 Appropriation	FY 2012 Request
Science Program Direction Program Direction	\$4,619	\$4,416
Total Science	\$4,619	\$4,416
Total Oak Ridge National Laboratory Site Office	\$4,619	\$4,416

2/10/2011 4:54:18PM Page 68 of 126

Ridge Operations Office	FY 2010 Appropriation	FY 2012 Request
Electricity Delivery and Energy Reliability		·
Electricity Delivery and Energy Reliability	•	
Research and Development	\$2,055	\$0
Total Electricity Delivery and Energy Reliability	\$2,055	\$0
Nuclear Energy		
Generation IV Nuclear Energy Systems	• •	• -
Generation IV Nuclear Energy Systems	\$1,500	\$0
Program Direction-NE Program Direction-NE	¢1 252	¢1 650
	\$1,353	\$1,650
Total Nuclear Energy	\$2,853	\$1,650
Energy Efficiency and Renewable Energy		
Energy Efficiency and Renewable Energy		
Wind Energy	\$500	\$0
Progam Support	\$2,090	\$2,500
Total Energy Efficiency and Renewable Energy	\$2,590	\$2,500
Total Energy Efficiency and Renewable Energy	\$2,590	\$2,500
Science		
Science Laboratories Infrastructure		
Science Laboratories Infrastructure	\$5,214	\$5,493
Program Direction		
Program Direction	\$38,714	\$40,510
Safeguards and Security	• • • • • • •	•
Safeguards and Security	\$19,708	\$20,604
Total Science	\$63,636	\$66,607
Other Defense Activities		
Health Safety and Security		
Health Safety and Security (All other)	\$3,197	\$3,204
Total Other Defense Activities	\$3,197	\$3,204
Defense Nuclear Nonproliferation		
Nonproliferation and International Security		
Nonproliferation and International Security	\$240	\$225
Total Defense Nuclear Nonproliferation	\$240	\$225
Departmental Administration		
Cost of Work for Others		
Cost of Work for Others	\$10,005	\$10,005
Total Departmental Administration	\$10,005	\$10,005
Office of the Inspector General		
Office of the Inspector General		
Office of the Inspector General	\$5,433	\$5,224
	40,100	\$\$, <b>22</b> 1

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 69 of 126
Oak Ridge Operations Office	FY 2010 Appropriation	FY 2012 Request
Total Office of the Inspector General	\$5,433	\$5,224
Defense Environmental Cleanup Program Direction Program Direction	\$19,173	\$16,160
Total Defense Environmental Cleanup	\$19,173	\$16,160
Total Oak Ridge Operations Office	\$109,182	\$105,575

FY 2012 Cong Laborat	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	
Oak Ridge Reservation	FY 2010 Appropriation	FY 2012 Request
Defense Environmental Cleanup Oak Ridge Reservation		
Soil and Water Remediation - Offsites	\$50,249	\$102,000
Total Defense Environmental Cleanup	\$50,249	\$102,000
Total Oak Ridge Reservation	\$50,249	\$102,000

FY 2012 Co Labo	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	
Oak Ridge Reservation (Off-Site)	FY 2010 Appropriation	FY 2012 Request
Defense Environmental Cleanup Program Support Community, Regulatory and Program Support	\$0	\$6,409
Total Defense Environmental Cleanup \$0		\$6,409
Total Oak Ridge Reservation (Off-Site)		\$6,409

F	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 72 of 126
Office of River Protection	FY 2010 Appropriation	FY 2012 Request
Defense Environmental Cleanup Office of River Protection		
Tank Farm Activities Waste Treatment Plant	\$406,600 \$690,000	\$521,391 \$840,000
Total Office of River Protection Program Direction	\$1,096,600	\$1,361,391
Program Direction	\$28,691	\$26,398
Total Defense Environmental Cleanup	\$1,125,291	\$1,387,789
Total Office of River Protection	\$1,125,291	\$1,387,789

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 73 of 126

ice of Scientific & Technical Information	FY 2010 Appropriation	FY 2012 Reques
Science		· ·
High Energy Physics		
High Energy Physics	\$255	\$12
Nuclear Physics		
Nuclear Physics	\$216	\$12
Biological and Environmental Research		
Biological and Environmental Research	\$491	\$39
Basic Energy Sciences		
Basic Energy Sciences	\$389	\$8
Fusion Energy Sciences Program		
Fusion Energy Sciences Program	\$198	\$12
Advanced Scientific Computing Research		
Advanced Scientific Computing Research	\$204	\$
Program Direction		
Program Direction	\$11,501	\$9,27
Safeguards and Security		
Safeguards and Security	\$508	\$46
Workforce Development for Teachers and Scientists		
Workforce Development for Teachers and Scientists	\$390	\$20
Total Science	\$14,152	\$10,78
Weapons Activities		
Science Campaign		
Science Campaign	\$125	\$
Cyber Security		
Cyber Security	\$362	\$36
Total Weapons Activities	\$487	\$36
Other Defense Activities		
Health Safety and Security		
Health Safety and Security (All other)	\$353	\$38
Total Other Defense Activities	\$353	\$38
al Office of Scientific & Technical Information	\$14,992	\$11,53

FY 2012 Con Labora	artment Of Energy ngressional Budget atory Table s In Thousands)	2/10/2011 4:54:18PM Page 74 of 126	
Dhio Field Office	FY 2010 Appropriation	FY 2012 Request	
Other Defense Activities Health Safety and Security Health Safety and Security (All other)	\$28	\$28	
Total Other Defense Activities	\$28	\$28	
otal Ohio Field Office	\$28	\$28	

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 75 of 126	
cific Northwest National Laboratory	FY 2010 Appropriation	FY 2012 Request	
Electricity Delivery and Energy Reliability			
Electricity Delivery and Energy Reliability Research and Development Infrastructure Security & Energy Restoration	\$13,240 \$0	\$25,845 \$300	
Total Electricity Delivery and Energy Reliability	\$13,240	\$26,145	
Total Electricity Delivery and Energy Reliability	\$13,240	\$26,145	
Nuclear Energy Generation IV Nuclear Energy Systems Generation IV Nuclear Energy Systems	\$500	\$0	
Fuel Cycle R & D Fuel Cycle R & D Nuclear Energy Enabling Technologies	\$6,618	\$7,382	
Nuclear Energy Enabling Technologies Nuclear Energy Enabling Technologies Reactors Concepts RD&D	\$0	\$2,315	
Reactors Concepts RD&D	\$0	\$1,720	
Total Nuclear Energy	\$7,118	\$11,417	
Energy Efficiency and Renewable Energy Energy Efficiency and Renewable Energy Biomass and Biorefinery Systems R&D Wind Energy Hydrogen Technology Water Power Vehicle Technologies Building Technologies Industrial Technologies Federal Energy Management Program Progam Support Total Energy Efficiency and Renewable Energy	\$10,822 \$1,675 \$6,979 \$2,708 \$8,433 \$28,166 \$1,794 \$2,248 \$1,492 \$64,317	\$20,825 \$1,431 \$3,400 \$2,515 \$8,400 \$30,434 \$0 \$1,818 \$1,410 \$70,233	
Total Energy Efficiency and Renewable Energy	\$64,317	\$70,233	
Science Nuclear Physics			
Nuclear Physics Biological and Environmental Research Biological and Environmental Research	\$849 \$111,578	\$104 \$120,460	
Basic Energy Sciences Basic Energy Sciences	\$25,337	\$23,423	
Fusion Energy Sciences Program Fusion Energy Sciences Program Advanced Scientific Computing Research	\$1,396	\$3,838	
Advanced Scientific Computing Research Safeguards and Security	\$6,908	\$2,274	
Safeguards and Security	\$11,840	\$11,520	

2/10/2011 4:54:18PM Page 76 of 126

FY 2010 Appropriation	FY 2012 Reques
\$1,224	\$499
\$159,132	\$162,118
\$16,227	\$10,686
\$2,990	\$3,100
\$19,217	\$13,792
\$2,612	\$2,53
\$2,612	\$2,537
\$34,351	\$28,71
\$25,919	\$18,54
\$197,446	\$144,398
\$0	\$1,01
\$197,446	\$145,41
\$51,724	\$77,978
\$309,440	\$270,65
\$6,000	\$
\$350	\$
\$6,350	\$
\$50	\$
\$6,400	\$
\$581,476	\$556,893
· · · ·	\$1,224 \$159,132 \$16,227 \$2,990 \$19,217 \$2,612 \$2,612 \$2,612 \$34,351 \$25,919 \$197,446 \$0 \$197,446 \$0 \$197,446 \$0 \$197,446 \$0 \$197,446 \$0 \$197,446 \$0 \$197,446 \$0 \$6,000 \$350 \$6,350 \$6,350 \$6,400

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 77 of 126	
Pacific Northwest Site Office	FY 2010 Appropriation	FY 2012 Request	
Science Program Direction Program Direction	\$5,463	\$5,771	
Total Science	\$5,463	\$5,771	
Total Pacific Northwest Site Office	\$5,463	\$5,771	

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 78 of 126
ducah Gaseous Diffusion Plant	FY 2010 Appropriation	FY 2012 Request
Non-Defense Environmental Cleanup Gaseous Diffusion Plants Gaseous Diffusion Plants	\$40,491	\$52,440
Total Non-Defense Environmental Cleanup	\$40,491	\$52,440
Uranium Enrichment Decon. & Decom. Fund Uranium Enrichment D&D Fund Uranium Enrichment D&D Fund	\$116,446	\$0
Total Uranium Enrichment Decon. & Decom. Fund	\$116,446	\$0
Other Defense Activities Office of Legacy Management Legacy Management	\$4,275	\$3,075
Total Other Defense Activities	\$4,275	\$3,075
Defense Environmental Cleanup Program Support Community, Regulatory and Program Support Safeguards and Security	\$0	\$4,114
Safeguards and Security	\$8,190	\$9,435
Total Defense Environmental Cleanup	\$8,190	\$13,549
al Paducah Gaseous Diffusion Plant	\$169,402	\$69,064

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 79 of 126
Paducah Site Office	FY 2010 Appropriation	FY 2012 Request
Uranium Enrichment Decon. & Decom. Fund Uranium Enrichment D&D Fund Uranium Enrichment D&D Fund	\$0	\$77,780
Total Uranium Enrichment Decon. & Decom. Fund	\$0	\$77,780
Other Defense Activities Health Safety and Security Health Safety and Security (All other)	\$230	\$230
Total Other Defense Activities	\$230	\$230
Total Paducah Site Office	\$230	\$78,010

#### 2/10/2011 4:54:18PM Page 80 of 126

\$220,14 \$14,63 \$2,17 \$ \$134,12
\$14,63 \$2,17 \$
\$14,63 \$2,17 \$
\$2,17 \$
\$2,17 \$
\$
\$
\$13 <u>4</u> 12
\$13 <u>4</u> 12
ψ104,12
\$7,08
\$
\$248,83
\$6,48
\$1,08
\$10,48
\$645,05
\$2
\$2
\$
\$19
\$4,10
\$4,30
_

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 81 of 126
Pantex Site Office	FY 2010 Appropriation	FY 2012 Request
Weapons Activities Readiness in Technical Base and Facilities		
Readiness in Technical Base and Facilities	\$203	\$0
Total Weapons Activities	\$203	\$0
Office of the Administrator Office of the Administrator		
Office of the Administrator	\$12,902	\$14,268
Total Office of the Administrator	\$12,902	\$14,268
Total Pantex Site Office	\$13,105	\$14,268

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 82 of 126	
PINELLAS SITE	FY 2010 Appropriation	FY 2012 Request	
Other Defense Activities Office of Legacy Management Legacy Management	\$7,869	\$6,071	
Total Other Defense Activities	\$7,869	\$6,071	
Total PINELLAS SITE	\$7,869	\$6,071	

FY 2012 Congr Laborato	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	
Portsmouth Gaseous Diffusion Plant	FY 2010 Appropriation	FY 2012 Request
Non-Defense Environmental Cleanup Gaseous Diffusion Plants Gaseous Diffusion Plants	\$60,394	\$48,148
Total Non-Defense Environmental Cleanup	\$60,394	\$48,148
Uranium Enrichment Decon. & Decom. Fund Uranium Enrichment D&D Fund Uranium Enrichment D&D Fund	\$232,404	\$243,642
Total Uranium Enrichment Decon. & Decom. Fund	\$232,404	\$243,642
Other Defense Activities		

Legacy Management	\$12,825	\$9,225
Total Other Defense Activities	\$12,825	\$9,225
Defense Environmental Cleanup		
Program Direction		
Program Direction	\$10,270	\$11,025
Program Support		
Community, Regulatory and Program Support	\$0	\$1,833
Safeguards and Security		
Safeguards and Security	\$17,509	\$16,412
Total Defense Environmental Cleanup	\$27,779	\$29,270
al Portsmouth Gaseous Diffusion Plant	\$333,402	\$330,285

2/10/2011 4:54:18PM Page 84 of 126

inceton Plasma Physics Laboratory	FY 2010 Appropriation	FY 2012 Request
Science		
High Energy Physics		
High Energy Physics	\$292	\$227
Fusion Energy Sciences Program		
Fusion Energy Sciences Program	\$75,362	\$70,517
Advanced Scientific Computing Research		
Advanced Scientific Computing Research	\$478	\$0
Safeguards and Security		
Safeguards and Security	\$2,265	\$2,222
Workforce Development for Teachers and Scientists		
Workforce Development for Teachers and Scientists	\$505	\$193
Total Science	\$78,902	\$73,159
otal Princeton Plasma Physics Laboratory	\$78,902	\$73,159

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 85 of 126
Princeton Site Office	FY 2010 Appropriation	FY 2012 Request
Science Program Direction Program Direction	\$1,747	\$1,981
Total Science	\$1,747	\$1,981
Total Princeton Site Office	\$1,747	\$1,981

	Department Of Energy 12 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 86 of 126
Radiological & Envir. Sciences Lab	FY 2010 Appropriation	FY 2012 Request
Nuclear Energy Program Direction-NE Program Direction-NE	\$5,163	\$5,606
Total Nuclear Energy	\$5,163	\$5,606
Total Radiological & Envir. Sciences Lab	\$5,163	\$5,606

FY 20	Department Of Energy D12 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 87 of 126
Remote Sensing Laboratory	FY 2010 Appropriation	FY 2012 Request
Defense Nuclear Nonproliferation Global Threat Reduction Initiative Global Threat Reduction Initiative	\$3,025	\$4,475
Total Defense Nuclear Nonproliferation	\$3,025	\$4,475
Total Remote Sensing Laboratory	\$3,025	\$4,475

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 88 of 126

nland Operations Office	FY 2010 Appropriation	FY 2012 Reques
Electricity Delivery and Energy Reliability Electricity Delivery and Energy Reliability Infrastructure Security & Energy Restoration	\$450	\$800
Total Electricity Delivery and Energy Reliability	\$450	\$800
Weapons Activities Readiness in Technical Base and Facilities		
Readiness in Technical Base and Facilities Nuclear Couterterrorism Incident Response	\$35	\$C
Nuclear Weapons Incident Response	\$1,350	\$1,469
Total Weapons Activities	\$1,385	\$1,469
Other Defense Activities Health Safety and Security		
Health Safety and Security (All other)	\$1,270	\$1,270
Total Other Defense Activities	\$1,270	\$1,270
Departmental Administration Cost of Work for Others		
Cost of Work for Others Chief Information Officer	\$550	\$550
Cyber Security and Secure Management	\$2,100	\$5,500
Total Departmental Administration	\$2,650	\$6,050
Office of the Inspector General Office of the Inspector General		
Office of the Inspector General	\$2,795	\$1,875
Total Office of the Inspector General	\$2,795	\$1,875
Defense Environmental Cleanup Hanford Site		
2035 Accelerated Completions Program Direction	\$21,940	\$0
Program Direction Program Support	\$48,105	\$50,981
Community, Regulatory and Program Support	\$O	\$20,338
Total Defense Environmental Cleanup	\$70,045	\$71,319
al Richland Operations Office	\$78,595	\$82,783

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 89 of 126
Rocky Flats Site	FY 2010 Appropriation	FY 2012 Request
Other Defense Activities Office of Legacy Management Legacy Management	\$94,481	\$63,278
Total Other Defense Activities	\$94,481	\$63,278
Defense Environmental Cleanup Closure Sites Rocky Flats	\$6,375	\$5,375
Total Defense Environmental Cleanup	\$6,375	\$5,375
Total Rocky Flats Site	\$100,856	\$68,653

FY 2012 Con Labora	rtment Of Energy gressional Budget tory Table In Thousands)	2/10/2011 4:54:18PM Page 90 of 126
Rocky Mountain Oilfield Testing Center	FY 2010 Appropriation	FY 2012 Request
Naval Petroleum and Oil Shale Reserves Naval Petroleum and Oil Shale Reserves		
Productions Operations	\$3,300	\$0
Total Naval Petroleum and Oil Shale Reserves	\$3,300	\$0
Total Rocky Mountain Oilfield Testing Center	\$3,300	\$0

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 91 of 126

dia National Laboratories	FY 2010 Appropriation	FY 2012 Reques
Electricity Delivery and Energy Reliability		
Electricity Delivery and Energy Reliability		
Research and Development	\$13,799	\$34,203
Infrastructure Security & Energy Restoration	\$350	\$150
Total Electricity Delivery and Energy Reliability	\$14,149	\$34,353
Total Electricity Delivery and Energy Reliability	\$14,149	\$34,353
Nuclear Energy		
Generation IV Nuclear Energy Systems		
Generation IV Nuclear Energy Systems	\$1,752	\$0
Fuel Cycle R & D		
Fuel Cycle R & D	\$8,353	\$11,893
Radiological Facilities Management		
Radiological Facilities Management	\$1,300	\$0
Nuclear Energy Enabling Technologies		
Nuclear Energy Enabling Technologies	\$0	\$3,038
Reactors Concepts RD&D		
Reactors Concepts RD&D	\$0	\$4,595
International Nuclear Energy Cooperation		
International Nuclear Energy Cooperation	\$0	\$250
Total Nuclear Energy	\$11,405	\$19,776
Energy Efficiency and Renewable Energy		
Energy Efficiency and Renewable Energy		
Biomass and Biorefinery Systems R&D	\$O	\$1,980
Wind Energy	\$10,928	\$8,644
Geothermal Technology	\$5,400	\$5,000
Hydrogen Technology	\$9,308	\$4,900
Water Power	\$3,861	\$3,466
Solar Energy	\$28,839	\$19,430
Vehicle Technologies	\$11,461	\$11,000
Building Technologies	\$0	\$320
Federal Energy Management Program	\$100	\$453
Progam Support	\$1,500	\$1,600
Tribal Energy Activities	\$450	\$450
Total Energy Efficiency and Renewable Energy	\$71,847	\$57,243
Total Energy Efficiency and Renewable Energy	\$71,847	\$57,243
Science		
Biological and Environmental Research		
Biological and Environmental Research	\$1,674	\$4,148
Basic Energy Sciences	÷ ,	÷.,•.
Basic Energy Sciences	\$45,386	\$41,079
Fusion Energy Sciences Program	+ , • • •	÷,010
Fusion Energy Sciences Program	\$3,786	\$2,414
Fusion Energy Sciences Program	\$3,786	\$2,

2/10/2011 4:54:18PM Page 92 of 126

ndia National Laboratories	FY 2010 Appropriation	FY 2012 Reques
Advanced Scientific Computing Research		
Advanced Scientific Computing Research	\$10,697	\$7,236
Workforce Development for Teachers and Scientists		
Workforce Development for Teachers and Scientists	\$255	\$196
Total Science	\$61,798	\$55,073
Weapons Activities		
Directed Stockpile Work		
Directed Stockpile Work	\$409,523	\$624,590
Science Campaign	. ,	. ,
Science Campaign	\$35,438	\$35,778
Site Stewardship	÷ )	+ ) -
Site Stewardship	\$4,027	\$8,764
Engineering Campaign	÷ ;;==:	+-,
Engineering Campaign	\$82,543	\$78,516
Inertial Confinement Fusion and High Yield Campaign	<i> </i>	<i> </i>
Inertial Confinement Fusion and High Yield Campaign	\$51,545	\$41,973
Advanced Simulation & Computing Campaign	<i>\$</i> 01,010	φ,σ
Advanced Simulation & Computing Campaign	\$129,621	\$129,556
Defense Nuclear Security	\$120,021	φ120,000
Defense Nuclear Security	\$66,700	\$69,609
Cyber Security	400,700	φ00,000
Cyber Security	\$17,858	\$17,725
Readiness Campaign	\$17,000	$\psi \Pi, \Pi \geq 0$
Readiness Campaign	\$8,451	\$11,190
Readiness in Technical Base and Facilities	φ0, <del>4</del> 01	ψΠ,ΤΘ
Readiness in Technical Base and Facilities	\$127,584	\$166,705
Secure Transportation Asset	\$127,304	φ100,700
•		¢11 400
Secure Transportation Asset	\$15,851	\$11,400
Nuclear Couterterrorism Incident Response	¢29,620	¢00.070
Nuclear Weapons Incident Response	\$28,629	\$28,972
Facilities and Infrastructure Recapitalization Program	<b>Ф</b> 44.040	<b>ФО 747</b>
Facilities and Infrastructure Recapitalization Program	\$11,013	\$8,747
National Security Applications National Security Applications	\$0	\$5,300
Total Weapons Activities	\$988,783	\$1,238,825
	<i>\\</i> 000,100	ψ1,200,020
Other Defense Activities		
Health Safety and Security		
Health Safety and Security (All other)	\$3,955	\$1,220
Total Other Defense Activities	\$3,955	\$1,220
Defense Nuclear Nonproliferation		
Nonproliferation and Verification R&D		
Nonproliferation and Verification R&D	\$75,635	¢71 055
Nonproliferation and International Security	φ <i>ι</i> 0,000	\$74,055
	¢10 011	¢40.000
Nonproliferation and International Security	\$18,211	\$18,360

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 93 of 126
andia National Laboratories	FY 2010 Appropriation	FY 2012 Request
Non Proliferation Programs with Russia International Nuclear Materials Protection & Cooperation Global Threat Reduction Initiative	\$72,641	\$68,431
Global Threat Reduction Initiative	\$17,038	\$27,384
Total Defense Nuclear Nonproliferation	\$183,525	\$188,230
Fossil Energy Research and Development Fuels and Other Power Systems		
Carbon Sequestration Natural Gas Technologies	\$0	\$160
Natural Gas Technologies	\$161	\$0
Total Fossil Energy Research and Development	\$161	\$160
Defense Nuclear Waste Disposal Defense Nuclear Waste Disposal		
Defense Nuclear Waste Disposal	\$40,000	\$0
Total Defense Nuclear Waste Disposal	\$40,000	\$0
Defense Environmental Cleanup NNSA Sites		
NNSA Sites	\$2,864	\$0
Total Defense Environmental Cleanup	\$2,864	\$0
Strategic Petroleum Reserve Storage Facilities Development		
SPR - Facilities Development	\$2,976	\$3,342
Total Strategic Petroleum Reserve	\$2,976	\$3,342
otal Sandia National Laboratories	\$1,381,463	\$1,598,222

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 94 of 126
Sandia Site Office	FY 2010 Appropriation	FY 2012 Request
Office of the Administrator Office of the Administrator		
Office of the Administrator	\$14,493	\$14,880
Total Office of the Administrator	\$14,493	\$14,880
Total Sandia Site Office	\$14,493	\$14,880

2/10/2011 4:54:18PM Page 95 of 126

annah River National Laboratory	FY 2010 Appropriation	FY 2012 Reques
Nuclear Energy		
Generation IV Nuclear Energy Systems		
Generation IV Nuclear Energy Systems	\$160	\$0
Fuel Cycle R & D	• • • • -	•
Fuel Cycle R & D	\$4,115	\$5,653
Nuclear Energy Enabling Technologies	<b>A</b> -1	<b>A</b>
Nuclear Energy Enabling Technologies	\$0	\$207
Total Nuclear Energy	\$4,275	\$5,860
Energy Efficiency and Renewable Energy		
Energy Efficiency and Renewable Energy		
Wind Energy	\$15	\$0
Hydrogen Technology	\$3,590	\$2,900
Progam Support	\$0	\$100
Total Energy Efficiency and Renewable Energy	\$3,605	\$3,000
Total Energy Efficiency and Renewable Energy	\$3,605	\$3,000
Science		
Biological and Environmental Research		
Biological and Environmental Research	\$363	\$0
Basic Energy Sciences		
Basic Energy Sciences	\$500	\$500
Workforce Development for Teachers and Scientists		
Workforce Development for Teachers and Scientists	\$75	\$80
Total Science	\$938	\$580
Defense Environmental Cleanup		
Savannah River Sites		
Tank Farm Activities	\$61,480	\$0
Site Risk Management Operations	\$0	\$0
Total Savannah River Sites	\$61,480	\$0
Total Defense Environmental Cleanup	\$61,480	\$0
al Savannah River National Laboratory	\$70,298	\$9,440

2/10/2011 4:54:18PM Page 96 of 126

annah River Operations Office	FY 2010 Appropriation	FY 2012 Reques
Weapons Activities		
Readiness in Technical Base and Facilities		
Readiness in Technical Base and Facilities	\$19,441	\$
Total Weapons Activities	\$19,441	\$
Other Defense Activities		
Health Safety and Security		
Health Safety and Security (All other)	\$1,223	\$65
Total Other Defense Activities	\$1,223	\$650
Defense Nuclear Nonproliferation		
Nonproliferation and International Security		
Nonproliferation and International Security	\$5,123	\$4,80
Non Proliferation Programs with Russia	<b>T</b> - <b>J</b> -	÷ ,
International Nuclear Materials Protection & Cooperation	\$1,021	\$1,25
Fissile Materials Disposition	\$577,134	\$685,06
Total Non Proliferation Programs with Russia	\$578,155	\$686,31
Global Threat Reduction Initiative		
Global Threat Reduction Initiative	\$5,775	\$8,55
Total Defense Nuclear Nonproliferation	\$589,053	\$699,676
Office of the Inspector General		
Office of the Inspector General		
Office of the Inspector General	\$2,017	\$1,87
Total Office of the Inspector General	\$2,017	\$1,875
Defense Environmental Cleanup		
Savannah River Sites		
2035 Accelerated Completions	\$18,300	\$
Cleanup and Waste Disposition	\$0	\$
Total Savannah River Sites	\$18,300	\$(
Program Direction		
Program Direction	\$53,896	\$51,92
Program Support		
Community, Regulatory and Program Support	\$0	\$9,58
Total Defense Environmental Cleanup	\$72,196	\$61,51 <sup>-</sup>
	\$683,930	\$763,712

#### 2/10/2011 4:54:18PM Page 97 of 126

annah River Site	FY 2010 Appropriation	FY 2012 Reques
Weapons Activities		
Directed Stockpile Work		
Directed Stockpile Work	\$40,920	\$46,393
Site Stewardship		
Site Stewardship	\$0	\$1,500
Engineering Campaign		
Engineering Campaign	\$2,460	\$2,142
Advanced Simulation & Computing Campaign		
Advanced Simulation & Computing Campaign	\$75	\$C
Defense Nuclear Security		
Defense Nuclear Security	\$12,668	\$8,600
Cyber Security		
Cyber Security	\$5,335	\$5,335
Readiness Campaign		
Readiness Campaign	\$31,388	\$32,300
Readiness in Technical Base and Facilities		
Readiness in Technical Base and Facilities	\$149,931	\$103,576
Nuclear Couterterrorism Incident Response		
Nuclear Weapons Incident Response	\$2,449	\$2,700
Total Weapons Activities	\$245,226	\$202,546
Defense Nuclear Nonproliferation		
Nonproliferation and Verification R&D		
Nonproliferation and Verification R&D	\$13,369	\$9,367
Non Proliferation Programs with Russia		
Fissile Materials Disposition	\$87,500	\$104,400
Global Threat Reduction Initiative		
Global Threat Reduction Initiative	\$3,600	\$6,040
Total Defense Nuclear Nonproliferation	\$104,469	\$119,807
Departmental Administration		
Cost of Work for Others		
Cost of Work for Others	\$21,570	\$22,570
Total Departmental Administration	\$21,570	\$22,570
Defense Environmental Cleanup		
Savannah River Sites		
2035 Accelerated Completions	\$38,768	\$1,224,144
Tank Farm Activities	\$699,776	\$C
Nuclear Material Stabilization and Disposition	\$391,625	\$C
Site Risk Management Operations	\$0	\$C
Total Savannah River Sites	\$1,130,169	\$1,224,144
Safeguards and Security	÷·,·=•,·••	÷·,==·,··
Safeguards and Security	\$132,064	\$130,000
Total Defense Environmental Cleanup	\$1,262,233	\$1,354,144
· · · · · · · · · · · · · · · · · · ·	+ ,,	+ · , · , • • •

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 98 of 126
Savannah River Site	FY 2010 Appropriation	FY 2012 Request
Total Savannah River Site	\$1,633,498	\$1,699,067

2/10/2011 4:54:18PM Page 99 of 126

annah River Site Office	FY 2010 Appropriation	FY 2012 Request
Weapons Activities		
Directed Stockpile Work		
Directed Stockpile Work	\$49	\$0
Facilities and Infrastructure Recapitalization Program		
Facilities and Infrastructure Recapitalization Program	\$2,434	\$1,516
Total Weapons Activities	\$2,483	\$1,516
Other Defense Activities		
Health Safety and Security		
Health Safety and Security (All other)	\$1,589	\$35
Total Other Defense Activities	\$1,589	\$35
Office of the Administrator		
Office of the Administrator		
Office of the Administrator	\$5,314	\$5,559
Total Office of the Administrator	\$5,314	\$5,559
al Savannah River Site Office	\$9,386	\$7,110

FY 2012 Co Labo	eartment Of Energy ongressional Budget ratory Table rs In Thousands)	2/10/2011 4:54:18PM Page 100 of 126
Separations Process Research Unit	FY 2010 Appropriation	FY 2012 Request
Defense Environmental Cleanup NNSA Sites NNSA Sites	\$15,000	\$1,500
Total Defense Environmental Cleanup	\$15,000	\$1,500
Total Separations Process Research Unit	\$15,000	\$1,500

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 101 of 126

C National Accelerator Laboratory	FY 2010 Appropriation	FY 2012 Request
Non-Defense Environmental Cleanup		
Small Sites		
Small Sites	\$7,100	\$2,435
Total Non-Defense Environmental Cleanup	\$7,100	\$2,435
Science		
High Energy Physics		
High Energy Physics	\$93,783	\$76,771
Biological and Environmental Research		
Biological and Environmental Research	\$4,660	\$4,215
Basic Energy Sciences		
Basic Energy Sciences	\$188,672	\$218,324
Science Laboratories Infrastructure		
Science Laboratories Infrastructure	\$6,900	\$24,110
Advanced Scientific Computing Research		
Advanced Scientific Computing Research	\$300	\$100
Safeguards and Security		
Safeguards and Security	\$3,293	\$2,709
Workforce Development for Teachers and Scientists		
Workforce Development for Teachers and Scientists	\$170	\$305
Total Science	\$297,778	\$326,534
I SLAC National Accelerator Laboratory	\$304,878	\$328,969

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 102 of 126
Southeastern Power Administration	FY 2010 Appropriation	FY 2012 Request
Southeastern Power Admin Operation & Maint. Purchase Power and Wheeling		
Purchase Power and Wheeling Program Direction	\$70,806	\$100,162
Program Direction	\$7,638	\$8,428
Total Southeastern Power Admin Operation & Maint.	\$78,444	\$108,590
Total Southeastern Power Administration	\$78,444	\$108,590

### Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)

2/10/2011 4:54:18PM Page 103 of 126

outhwestern Power Administration	FY 2010 Appropriation	FY 2012 Request
Southwestern Power Admin Operation & Maint.		
Systems Operation and Maintenance		
Systems Operation and Maintenance	\$13,775	\$10,844
Purchase Power and Wheeling		
Purchase Power and Wheeling	\$38,000	\$40,000
SWPA Construction		
Construction	\$4,016	\$5,668
Program Direction		
Program Direction	\$27,153	\$28,498
Total Southwestern Power Admin Operation & Maint.	\$82,944	\$85,010
otal Southwestern Power Administration	\$82,944	\$85,010

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 104 of 126
Stanford Site Office	FY 2010 Appropriation	FY 2012 Request
Science Program Direction Program Direction	\$2,871	\$2,845
Total Science	\$2,871	\$2,845
Total Stanford Site Office	\$2,871	\$2,845

FY 2012 La	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	
Strategic Petroleum Reserve - Bayou Choctow	FY 2010 Appropriation	FY 2012 Request
Strategic Petroleum Reserve		
Storage Facilities Development SPR - Facilities Development Management for SPR Operations	\$44,214	\$11,425
Management	\$387	\$0
Total Strategic Petroleum Reserve	\$44,601	\$11,425
Total Strategic Petroleum Reserve - Bayou Choctov	<i>v</i> \$44,601	\$11,425

FY	Department Of Energy 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 106 of 126
Strategic Petroleum Reserve - Big Hill	FY 2010 Appropriation	FY 2012 Request
Strategic Petroleum Reserve Storage Facilities Development SPR - Facilities Development Management for SPR Operations	\$22,744	\$20,968
Management	\$516	\$0
Total Strategic Petroleum Reserve	\$23,260	\$20,968
Total Strategic Petroleum Reserve - Big Hill	\$23,260	\$20,968

FY 2012 C Lab	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	
Strategic Petroleum Reserve - Bryan Mound	FY 2010 Appropriation	FY 2012 Request
Strategic Petroleum Reserve		
Storage Facilities Development	¢40.547	¢40.005
SPR - Facilities Development Management for SPR Operations	\$19,517	\$16,925
Management	\$516	\$0
Total Strategic Petroleum Reserve	\$20,033	\$16,925
Total Strategic Petroleum Reserve - Bryan Mound	\$20,033	\$16,925

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	
Strategic Petroleum Reserve - West Hackberry	FY 2010 Appropriation	FY 2012 Request
Strategic Petroleum Reserve		
Storage Facilities Development SPR - Facilities Development	\$29,651	\$21,069
Management for SPR Operations	\$29,031	\$21,009
Management	\$516	\$0
Total Strategic Petroleum Reserve	\$30,167	\$21,069
Total Strategic Petroleum Reserve - West Hackbe	erry \$30,167	\$21,069

FY 2012 La	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	
Strategic Petroleum Reserve Project Office	FY 2010 Appropriation	FY 2012 Request
Strategic Petroleum Reserve		
Storage Facilities Development SPR - Facilities Development Management for SPR Operations	\$79,648	\$95,770
Management	\$11,916	\$15,413
Total Strategic Petroleum Reserve	\$91,564	\$111,183
Total Strategic Petroleum Reserve Project Office	\$91,564	\$111,183

FY	Department Of Energy 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 110 of 126
Strategic Petroleum Reserve-RICHTON	FY 2010 Appropriation	FY 2012 Request
Strategic Petroleum Reserve Expansion		
Expansion	\$25,000	\$0
Total Strategic Petroleum Reserve	\$25,000	\$0
Total Strategic Petroleum Reserve-RICHTON	\$25,000	\$0

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 111 of 126

omas Jefferson National Accelerator Facility	FY 2010 Appropriation	FY 2012 Request
Science		-
High Energy Physics		
High Energy Physics	\$2,354	\$1,232
Nuclear Physics		. ,
Nuclear Physics	\$113,864	\$160,370
Biological and Environmental Research		
Biological and Environmental Research	\$600	\$600
Basic Energy Sciences		
Basic Energy Sciences	\$900	\$900
Science Laboratories Infrastructure		
Science Laboratories Infrastructure	\$27,687	\$12,337
Advanced Scientific Computing Research	. ,	. ,
Advanced Scientific Computing Research	\$100	\$0
Safeguards and Security	•	• -
Safeguards and Security	\$1,445	\$1,448
Workforce Development for Teachers and Scientists	÷, -	÷, -
Workforce Development for Teachers and Scientists	\$488	\$273
Total Science	\$147,438	\$177,160
al Thomas Jefferson National Accelerator Facility	\$147,438	\$177,160

FY	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	
Thomas Jefferson Site Office	FY 2010 Appropriation	FY 2012 Request
Science Program Direction Program Direction	\$2,069	\$2,098
Total Science	\$2,069	\$2,098
Total Thomas Jefferson Site Office	\$2,069	\$2,098

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 113 of 126
University of Rochester	FY 2010 Appropriation	FY 2012 Request
Weapons Activities Inertial Confinement Fusion and High Yield Campaign Inertial Confinement Fusion and High Yield Campaign	\$60,514	\$61,000
Total Weapons Activities	\$60,514	\$61,000
Total University of Rochester	\$60,514	\$61,000

2/10/2011 4:54:18PM Page 114 of 126

Laboratory Table (Dollars In Thousands)

shington Headquarters	FY 2010 Appropriation	FY 2012 Request
Section 1705 Temporary Loan Guarantee Program Section 1705 Temporary Loan Guarantee Program		
Administrative Operations	\$17,000	\$0
Total Section 1705 Temporary Loan Guarantee Program	\$17,000	\$0
Innovative Tech Loan Guarantee Prog		
Administrative Operations	• • • • • • •	
Administrative Operations	\$26,000	\$38,000
Cost of Loan Guarantees	<b>\$</b> 0	¢200.000
Cost of Loan Guarantees	\$0	\$200,000
Total Innovative Tech Loan Guarantee Prog	\$26,000	\$238,000
Electricity Delivery and Energy Reliability Electricity Delivery and Energy Reliability		
Research and Development	\$6,914	\$5,422
Program Direction	\$15,516	\$23,002
Permitting Siting and Analysis	\$664	\$889
Infrastructure Security & Energy Restoration	\$4,550	\$3,787
Total Electricity Delivery and Energy Reliability	\$27,644	\$33,100
Total Electricity Delivery and Energy Reliability	\$27,644	\$33,100
Nuclear Energy		
Nuclear Power 2010		
Nuclear Power 2010	\$650	\$0
Generation IV Nuclear Energy Systems	\$666	Ψΰ
Generation IV Nuclear Energy Systems	\$6,757	\$0
Fuel Cycle R & D	÷-, -	<b>T</b> -
Fuel Cycle R & D	\$2,130	\$18,340
Radiological Facilities Management		
Radiological Facilities Management	\$2,930	\$17,902
Idaho Facilities Management		
Idaho Facilities Management	\$485	\$1,500
Transfer from State Department		
Transfer from State Department	\$2,800	\$0
Program Direction-NE		<b>• • • • • • • •</b>
Program Direction-NE	\$34,547	\$47,536
Nuclear Energy Enabling Technologies	<b>\$</b> 0	¢7,000
Nuclear Energy Enabling Technologies Reactors Concepts RD&D	\$0	\$7,326
Reactors Concepts RD&D	\$0	\$14,158
International Nuclear Energy Cooperation	ψυ	φ14,100
International Nuclear Energy Cooperation	\$0	\$690
Total Nuclear Energy	\$50,299	\$107,452

Energy Efficiency and Renewable Energy

### Department Of Energy FY 2012 Congressional Budget Laboratory Table

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 115 of 126

shington Headquarters	FY 2010 Appropriation	FY 2012 Reques
Energy Efficiency and Renewable Energy		
Biomass and Biorefinery Systems R&D	\$144,802	\$250,476
Wind Energy	\$8,260	\$19,37
Program Direction	\$95,393	\$118,399
Geothermal Technology	\$4,945	\$26,73
Hydrogen Technology	\$84,307	\$45,550
Water Power	\$4,053	\$1,576
Solar Energy	\$18,529	\$23,436
Vehicle Technologies	\$148,642	\$440,113
Building Technologies	\$136,008	\$269,01 <sup>-</sup>
Industrial Technologies	\$56,087	\$311,49
Federal Energy Management Program	\$10,848	\$14,770
Progam Support	\$14,445	\$15,904
Weatherization Assistance	\$209,400	\$318,000
State Energy Program Grants	\$47,675	\$59,298
Tribal Energy Activities	\$750	\$750
RE-ENERGYSE (Regaining our Energy Science & Engi	\$0	\$0
Total Energy Efficiency and Renewable Energy	\$984,144	\$1,914,89
Total Energy Efficiency and Renewable Energy	\$984,144	\$1,914,89
Advanced Researched Projects Agency-Energy		
Energy Transformation Acceleration Fund		
Advanced Research Projects Agency-Energy	\$0	\$521,94
Program Direction	\$0	\$28,068
Total Energy Transformation Acceleration Fund	\$0	\$550,01 <sup>2</sup>
Total Advanced Researched Projects Agency-Energy	\$0	\$550,01 <sup>2</sup>
Advance Technology Vehicles Man Loan Program		
Energy Transformation Acceleration Fund		
Administrative Expenses	\$20,000	\$6,000
Total Advance Technology Vehicles Man Loan Program	\$20,000	\$6,000
Science		
High Energy Physics		
High Energy Physics	\$2,488	\$91,65 <sup>-</sup>
Nuclear Physics		
Nuclear Physics	\$22,380	\$72,73
Biological and Environmental Research		
Biological and Environmental Research	\$1,154	\$148,91
Basic Energy Sciences		
Basic Energy Sciences	\$5,435	\$344,87
Fusion Energy Sciences Program		
Fusion Energy Sciences Program	\$1,119	\$43,21
Science Laboratories Infrastructure		
Science Laboratories Infrastructure	\$576	\$
		Ť
· -	\$838	\$171,537
Advanced Scientific Computing Research Advanced Scientific Computing Research		\$17 <sup>.</sup>

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 116 of 126

shington Headquarters	FY 2010 Appropriation	FY 2012 Reques
Program Direction		
Program Direction	\$64,476	\$94,008
Safeguards and Security		
Safeguards and Security	\$1,553	\$2,654
Workforce Development for Teachers and Scientists		
Workforce Development for Teachers and Scientists	\$465	\$7,619
Total Science	\$100,484	\$977,212
Weapons Activities		
Directed Stockpile Work		
Directed Stockpile Work	\$19,638	\$5,471
Science Campaign		
Science Campaign	\$2,954	\$101,830
Site Stewardship		. ,
Site Stewardship	\$0	\$5,393
Engineering Campaign		. ,
Engineering Campaign	\$752	\$1,500
Inertial Confinement Fusion and High Yield Campaign	<b>.</b>	+ - ,
Inertial Confinement Fusion and High Yield Campaign	\$1,497	\$40,341
Advanced Simulation & Computing Campaign	<b>+</b> · <b>,</b> · <b>-</b> ·	÷ · · , - · ·
Advanced Simulation & Computing Campaign	\$4,346	\$89,100
Defense Nuclear Security	¢ .,e .e	<i> </i>
Defense Nuclear Security	\$44,544	\$39,306
Cyber Security	<b>\$</b> 11, <b>5</b> 11	<i><b>400</b>,000</i>
Cyber Security	\$35,947	\$39,146
Readiness Campaign	<i><b>4</b>00,011</i>	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
Readiness Campaign	\$822	\$0
Readiness in Technical Base and Facilities	<b>WOLL</b>	ψe
Readiness in Technical Base and Facilities	\$76,716	\$233,232
Secure Transportation Asset	<i>\$</i> 76,716	φ200,202
Secure Transportation Asset	\$9,076	\$0
Nuclear Couterterrorism Incident Response	\$3,070	ψ
Nuclear Weapons Incident Response	\$4,982	\$1,180
Facilities and Infrastructure Recapitalization Program	ψ <del>1</del> ,302	ψ1,100
Facilities and Infrastructure Recapitalization Program	\$583	\$6,109
Total Weapons Activities	\$201,857	\$562,608
Other Defense Activities	+ - )	÷ ,
Congressionally Directed Projects	\$2,000	¢
Congressionally Directed Projects	\$2,000	\$0
Hearings and Appeals	<b>\$</b> 0.444	<b>.</b>
Program Direction	\$6,444	\$4,142
Office of Legacy Management	<b>\$</b> 40.00 <b>-</b>	<b>*</b> • • • • •
Legacy Management	\$13,287	\$13,889
Health Safety and Security	\$303,828	\$328,726
Health Safety and Security (All other)		

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 117 of 126

shington Headquarters	FY 2010 Appropriation	FY 2012 Reques
Program Direction		·
Program Direction	\$104,125	\$107,03
Total Other Defense Activities	\$429,684	\$453,794
Defense Nuclear Nonproliferation		
Nonproliferation and Verification R&D		
Nonproliferation and Verification R&D	\$1	\$98,90
Nonproliferation and International Security		
Nonproliferation and International Security	\$4,928	\$4,62
Non Proliferation Programs with Russia		
International Nuclear Materials Protection & Cooperation	<b>\$</b> 0	\$3,37
Elimination of Weapons -Grade Plutonium Production Pr	\$2,000	\$0
Total Non Proliferation Programs with Russia	\$2,000	\$3,374
Global Threat Reduction Initiative		
Global Threat Reduction Initiative	\$925	\$1,37
Total Defense Nuclear Nonproliferation	\$7,854	\$108,268
Naval Reactors		
Naval Reactors Development		
Naval Reactors Development	\$2,933	\$2,99
Program Direction		
Program Direction	\$18,500	\$23,672
Total Naval Reactors	\$21,433	\$26,662
Office of the Administrator		
Office of the Administrator		
Office of the Administrator	\$234,766	\$255,72
Total Office of the Administrator	\$234,766	\$255,72
Departmental Administration		
Departmental Administration		
Departmental Administration	\$5,500	\$1,50
Policy & International Affairs		
Program Direction	\$19,296	\$22,42
Policy Analysis and System Studies	\$1,159	\$44
Environmental Policy Studies	\$528	\$52
Climate Change Technology Program	\$9,270	\$5,48
Total Policy & International Affairs Chief Financial Officer	\$30,253	\$28,872
Program Direction	\$62,981	\$53,204
Program Direction	÷,-••	<i>+,</i> <b>-</b> <i>0</i>
Program Direction	\$29,537	\$23,08
Total Program Direction	\$29,537	\$23,089
Congressional, and Intergovernmental Affairs		
Program Direction	\$4,826	\$4,690

2/10/2011 4:54:18PM Page 118 of 126

Laboratory Table (Dollars In Thousands)

shington Headquarters	FY 2010 Appropriation	FY 2012 Reques
Public Affairs		I
Program Direction	\$4,500	\$3,80 <sup>2</sup>
General Counsel	÷ ,	+ - )
Program Direction	\$32,478	\$34,642
Office of the Secretary		
Program Direction	\$5,864	\$5,030
Management & Administration		
Program Direction	\$78,456	\$74,585
Economic Impact & Diversity		
Program Direction	\$3,896	\$5,660
Minority Economic Impact	\$2,775	\$1,813
Total Economic Impact & Diversity	\$6,671	\$7,473
Chief Information Officer	÷ - ) -	÷ , -
Program Direction	\$38,146	\$37,011
Cyber Security and Secure Management	\$31,265	\$14,128
Corporate Management Information Program	\$9,403	\$8,092
Energy Information Technology Services	\$22,149	\$18,891
Total Chief Information Officer	\$100,963	\$78,122
Total Departmental Administration	\$362,029	\$315,008
Office of the Inspector General		
Office of the Inspector General		
Office of the Inspector General	\$24,762	\$16,997
Total Office of the Inspector General	\$24,762	\$16,997
	<i> </i>	¢:0,001
Better Building Pilot Loan Guarantee Initiative		
Better Building Pilot Loan Guarantee Initiative	•-	•
Cost of Loan Guarantees	\$0	\$100,000
Administrative Operations	\$0	\$5,000
Total Better Building Pilot Loan Guarantee Initiative	\$0	\$105,000
Total Better Building Pilot Loan Guarantee Initiative	\$0	\$105,000
Federal Energy Regulatory Commission		
Energy Infrastructure		
Energy Infrastructure	\$195,000	\$195,000
Competitive Markets		
Competitive Markets	\$60,000	\$60,000
Market Oversight	· · · ·	. ,
Market Oversight	\$43,000	\$49,600
Total Federal Energy Regulatory Commission	\$298,000	\$304,600
rotari odorar Energy Regulatory Commission	Ψ200,000	ψ504,0

Fossil Energy Research and Development

Laboratory Table (Dollars In Thousands) 2/10/2011 4:54:18PM Page 119 of 126

shington Headquarters	FY 2010 Appropriation	FY 2012 Reques
Fuels and Other Power Systems		
Fuel Cells	\$O	\$C
Fuels	\$0	\$C
Advanced Research	\$3,364	\$3,723
Advanced Integrated Gasification Combined Cycle	\$0	\$5,405
Total Fuels and Other Power Systems	\$3,364	\$9,128
Natural Gas Technologies		
Natural Gas Technologies	\$0	\$0
Program Direction		
Headquarters Program Direction	\$32,850	\$31,847
Fossil Energy Environmental Restoration		
Fossil Energy Environmental Restoration	\$1,690	\$1,420
Cooperative Research & Revelopment		
Cooperative Research & Development	\$50	\$C
Plant & Capital Equipment		
Plant & Capital Equipment	\$20,000	\$16,794
Special Recruitment Programs		
Special Recruitment Programs	\$700	\$700
Congressionally Directed Projects		
Congressionally Directed Projects	\$35,879	\$0
Unconventional Fossil Energy Technologies		
Unconventional Fossil Energy Technologies	\$934	\$C
Total Fossil Energy Research and Development	\$95,467	\$59,889
Naval Petroleum and Oil Shale Reserves		
Naval Petroleum and Oil Shale Reserves		
Management	\$1,992	\$1,250
Total Naval Petroleum and Oil Shale Reserves	\$1,992	\$1,250
Nuclear Waste Fund		
Nuclear Waste Disposal		
Repository Program	\$10,200	\$C
Prog. Mgmt. & Int (S & T)	\$4,500	\$C
Program Direction	\$50,000	\$C
Total Nuclear Waste Disposal	\$64,700	\$C
Total Nuclear Waste Fund	\$64,700	\$0
	<i><b>40</b>1,100</i>	
		ψ.
Defense Environmental Cleanup		Ŷ
Program Direction		
Program Direction Program Direction	\$105,492	
Program Direction Program Direction Program Support		\$93,563
Program Direction Program Direction Program Support Program Support	\$34,000	\$93,563 \$0
Program Direction Program Direction Program Support		\$93,563 \$0 \$20,143
Program Direction Program Direction Program Support Program Support Community, Regulatory and Program Support Total Program Support	\$34,000	\$93,563 \$0
Program Direction Program Direction Program Support Program Support Community, Regulatory and Program Support	\$34,000 \$0	\$93,563 \$0 \$20,143

### Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)

2/10/2011 4:54:18PM Page 120 of 126

shington Headquarters	FY 2010 Appropriation	FY 2012 Request
Technology Development		
Technology Development	\$19,440	\$32,320
Congressionally Directed Projects		
Congressionally Directed Projects	\$4,000	\$0
Total Defense Environmental Cleanup	\$625,932	\$146,026
Strategic Petroleum Reserve		
Management for SPR Operations		
Management	\$4,879	\$5,987
Total Strategic Petroleum Reserve	\$4,879	\$5,987
Northeast Home Heating Oil Reserve Account		
Northeast Home Heating Oil Reserve		
Northeast Home Heating Oil Reserve	\$11,300	\$375
Total Northeast Home Heating Oil Reserve Account	\$11,300	\$375
Energy Information Administration		
Energy Information Administration		
National Energy Information System	\$110,595	\$123,957
Total Energy Information Administration	\$110,595	\$123,957
al Washington Headquarters	\$3,720,821	\$6,312,816

FY 2012 Co Labo	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	
Waste Isolation Pilot Plant	FY 2010 Appropriation	FY 2012 Request
Defense Environmental Cleanup Waste Isolation Pilot Plant Transportation	\$203,553	\$200,155
Total Defense Environmental Cleanup	\$203,553	\$200,155
Total Waste Isolation Pilot Plant	\$203,553	\$200,155

Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)		2/10/2011 4:54:18PM Page 122 of 126
West Valley Demonstration Project	FY 2010 Appropriation	FY 2012 Request
Non-Defense Environmental Cleanup Small Sites		
Small Sites	\$58,074	\$58,400
Total Non-Defense Environmental Cleanup	\$58,074	\$58,400
Defense Environmental Cleanup Safeguards and Security		
Safeguards and Security	\$1,859	\$1,600
Total Defense Environmental Cleanup	\$1,859	\$1,600
Total West Valley Demonstration Project	\$59,933	\$60,000

### Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)

2/10/2011 4:54:18PM Page 123 of 126

stern Area Power Administration	FY 2010 Appropriation	FY 2012 Request
Office of the Inspector General		
Office of the Inspector General		
Office of the Inspector General	\$1,863	\$2,276
Total Office of the Inspector General	\$1,863	\$2,276
Falcon & Amistad - Operating & Maintenance Fund Falcon & Amistad Operating and Maintenance Fund		
Falcon & Amistad - Operating and Maintenance	\$2,568	\$4,169
Total Falcon & Amistad - Operating & Maintenance Fund	\$2,568	\$4,169
Western Area Power Admin. Const.,Rehab.,O&M Systems Operation and Maintenance		
Systems Operation and Maintenance Program Direction	\$435,361	\$384,615
Program Direction	\$175,036	\$201,947
Total Western Area Power Admin. Const.,Rehab.,O&M	\$610,397	\$586,562
Colorado River Basins Power Marketing Fund Equipment, Contracts and Other Related Expenses		
Colorado River Storage Project	\$212,766	\$164,502
Program Direction		
Program Direction	\$48,957	\$55,895
Total Colorado River Basins Power Marketing Fund	\$261,723	\$220,397
al Western Area Power Administration	\$876,551	\$813,404

#### 2/10/2011 4:54:18PM Page 124 of 126

Laboratory Table (Dollars In Thousands)

2 National Security Complex	FY 2010 Appropriation	FY 2012 Reques
Weapons Activities		
Directed Stockpile Work		
Directed Stockpile Work	\$228,215	\$255,01
Site Stewardship		
Site Stewardship	\$7,000	\$9,16
Engineering Campaign		
Engineering Campaign	\$5,234	\$3,20
Advanced Simulation & Computing Campaign		
Advanced Simulation & Computing Campaign	\$724	\$
Readiness Campaign		
Readiness Campaign	\$5,072	\$
Readiness in Technical Base and Facilities		
Readiness in Technical Base and Facilities	\$403,798	\$532,78
Secure Transportation Asset		
Secure Transportation Asset	\$5,495	\$6,29
Nuclear Couterterrorism Incident Response		
Nuclear Weapons Incident Response	\$1,278	\$1,48
Facilities and Infrastructure Recapitalization Program	. ,	
Facilities and Infrastructure Recapitalization Program	\$17,033	\$23,44
Total Weapons Activities	\$673,849	\$831,39
Defense Nuclear Nonproliferation		
Nonproliferation and International Security		
Nonproliferation and International Security	\$1,491	\$1,55
Non Proliferation Programs with Russia	ψ1,491	ψ1,00
International Nuclear Materials Protection & Cooperation	\$2,572	\$6,12
Fissile Materials Disposition	\$34,451	\$36,28
· ·		
Total Non Proliferation Programs with Russia	\$37,023	\$42,40
Global Threat Reduction Initiative	•	•
Global Threat Reduction Initiative	\$12,855	\$22,24
Total Defense Nuclear Nonproliferation	\$51,369	\$66,20
Defense Environmental Cleanup		
Oak Ridge Reservation		
Soil and Water Remediation - Offsites	\$36,700	\$30,00
Total Defense Environmental Cleanup	\$36,700	\$30,00
al Y-12 National Security Complex	\$761,918	\$927,60

2/10/2011 4:54:18PM Page 125 of 126

Laboratory Table (Dollars In Thousands)

Office of the Administrator	\$15,278 \$15,278	\$15,819 \$15,819
Office of the Administrator Office of the Administrator		
Total Defense Nuclear Nonproliferation	\$1,871	\$3,092
Fissile Materials Disposition	\$240	\$240
Nonproliferation and Verification R&D Non Proliferation Programs with Russia	\$1,631	\$2,852
Defense Nuclear Nonproliferation Nonproliferation and Verification R&D		
Total Other Defense Activities	\$815	\$4
Health Safety and Security Health Safety and Security (All other)	\$815	\$4
Other Defense Activities		
Total Weapons Activities	\$217,920	\$163,44
Readiness in Technical Base and Facilities Readiness in Technical Base and Facilities	\$0	\$5,63
Cyber Security	\$6,920	\$7,45
Defense Nuclear Security Cyber Security	\$211,000	\$150,35
Weapons Activities Defense Nuclear Security		
2 Site Office	FY 2010 Appropriation	FY 2012 Reques

	Department Of Energy FY 2012 Congressional Budget Laboratory Table (Dollars In Thousands)	2/10/2011 4:54:18PM Page 126 of 126
cca Mountain Site Office	FY 2010 Appropriation	FY 2012 Request
Other Defense Activities Office of Legacy Management Legacy Management	\$0	\$1,400
Total Other Defense Activities	\$0	\$1,400
Nuclear Waste Fund Nuclear Waste Disposal Program Direction	\$19,000	\$0
Total Nuclear Waste Fund	\$19,000	\$0
al Yucca Mountain Site Office	\$19,000	\$1,400