

Department Of Energy
 FY 2019 Congressional Budget
 Laboratory Table
 (Dollars In Thousands)

2/23/2018
 2:02:34PM
 Page 93 of 128

Sandia National Laboratories	FY 2017 Enacted	FY 2018 Annualized CR	FY 2019 Request
Electricity Delivery and Energy Reliability			
Electricity Delivery and Energy Reliability			
Transmission Reliability	\$1,574	\$2,400	\$1,469
Resilient Distribution Systems	\$2,073	\$2,288	\$500
Cybersecurity for Energy Delivery Systems	\$2,148	\$1,900	\$0
Energy Storage	\$9,486	\$13,770	\$4,000
Transformer Resilience and Advanced Components	\$90	\$0	\$500
Transmission Permitting and Technical Assistance	\$231	\$185	\$150
Infrastructure Security & Energy Restoration	\$349	\$349	\$0
<i>Total Electricity Delivery and Energy Reliability</i>	\$15,951	\$20,892	\$6,619
<i>Total Electricity Delivery and Energy Reliability</i>	\$15,951	\$20,892	\$6,619
Cybersecurity, Energy Security, and Emergency Resp			
Cybersecurity, Energy Security, and Emergency Resp			
Infrastructure Security and Energy Restoration (ISER)	\$0	\$0	\$1,000
CEDS	\$0	\$0	\$3,900
<i>Total Cybersecurity, Energy Security, and Emergency Resp</i>	\$0	\$0	\$4,900
<i>Total Cybersecurity, Energy Security, and Emergency Resp</i>	\$0	\$0	\$4,900
Nuclear Energy			
Fuel Cycle R & D			
Fuel Cycle R & D	\$19,100	\$23,360	\$2,790
Nuclear Energy Enabling Technologies			
Nuclear Energy Enabling Technologies	\$988	\$2,100	\$150
Reactors Concepts RD&D			
Reactors Concepts RD&D	\$2,171	\$3,894	\$3,000
International Nuclear Energy Cooperation			
International Nuclear Energy Cooperation	\$0	\$45	\$0
Supercritical Transformational Electric Power Generation			
Supercritical Transformational Electric Power Generation	\$4,721	\$4,750	\$0
<i>Total Nuclear Energy</i>	\$26,980	\$34,149	\$5,940
Energy Efficiency and Renewable Energy			
Energy Efficiency and Renewable Energy			
Wind Energy	\$4,825	\$4,825	\$3,547
Geothermal Technologies	\$5,873	\$5,873	\$1,318
Hydrogen & Fuel Cell Technologies	\$8,637	\$2,790	\$4,140
Water Power	\$6,947	\$6,947	\$2,497
Solar Energy	\$11,689	\$4,000	\$0
Vehicle Technologies	\$12,004	\$12,004	\$4,912
Building Technologies	\$274	\$272	\$82
Strategic Programs	\$0	\$500	\$0
Bioenergy Technologies	\$7,592	\$7,592	\$2,984
<i>Total Energy Efficiency and Renewable Energy</i>	\$57,841	\$44,803	\$19,480
<i>Total Energy Efficiency and Renewable Energy</i>	\$57,841	\$44,803	\$19,480

Department Of Energy
 FY 2019 Congressional Budget
 Laboratory Table
 (Dollars In Thousands)

2/23/2018
 2:02:34PM
 Page 94 of 128

Sandia National Laboratories	FY 2017 Enacted	FY 2018 Annualized CR	FY 2019 Request
Nuclear Waste Disposal			
Yucca Mountain and Interim Storage			
Yucca Mountain and Interim Storage	\$0	\$0	\$35,480
Total Nuclear Waste Disposal	\$0	\$0	\$35,480
Science			
Advanced Scientific Computing Research			
Advanced Scientific Computing Research	\$2,829	\$9,579	\$7,604
Basic Energy Sciences			
Basic Energy Sciences	\$33,577	\$24,038	\$26,532
Biological and Environmental Research			
Biological and Environmental Research	\$13,522	\$9,306	\$10,100
Fusion Energy Sciences			
Fusion Energy Sciences	\$2,952	\$2,741	\$2,238
Workforce Development for Teachers and Scientists			
Workforce Development for Teachers and Scientists	\$100	\$0	\$0
Total Science	\$52,980	\$45,664	\$46,474
Weapons Activities			
Directed Stockpile Work			
Directed Stockpile Work	\$899,151	\$893,045	\$1,189,758
Science			
Science Campaign	\$43,697	\$43,400	\$55,032
Engineering			
Engineering Campaign	\$67,036	\$66,581	\$82,728
Inertial Confinement Fusion Ignition High Yield			
Inertial Confinement Fusion Ignition High Yield Campaign	\$47,378	\$47,056	\$63,089
Advanced Simulation & Computing			
Advanced Simulation & Computing Campaign	\$151,857	\$150,826	\$172,007
Defense Nuclear Security			
Defense Nuclear Security	\$78,586	\$78,052	\$66,721
Information technology and Cybersecurity			
Information technology and Cybersecurity	\$19,720	\$19,586	\$16,707
Infrastructure and Operations			
Infrastructure and Operations	\$201,773	\$200,403	\$207,448
Secure Transportation Asset			
Secure Transportation Asset	\$41,457	\$41,175	\$61,928
Advanced Manufacturing Development			
Advanced Manufacturing Development	\$8,326	\$8,269	\$8,112
Total Weapons Activities	\$1,558,981	\$1,548,393	\$1,923,530
Other Defense Activities			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	\$1,210	\$1,210	\$1,210
Total Other Defense Activities	\$1,210	\$1,210	\$1,210
Defense Nuclear Nonproliferation			

Department Of Energy
 FY 2019 Congressional Budget
 Laboratory Table
 (Dollars In Thousands)

2/23/2018
 2:02:34PM
 Page 95 of 128

Sandia National Laboratories	FY 2017 Enacted	FY 2018 Annualized CR	FY 2019 Request
Defense Nuclear Nonproliferation R&D			
Defense Nuclear Nonproliferation R&D	\$103,168	\$102,467	\$107,374
Nuclear Counterterrorism and Incident Response			
Nuclear Counterterrorism Incident Response	\$35,853	\$35,610	\$46,200
Global Material Security			
Global Material Security	\$47,284	\$46,963	\$45,179
Material Management and Minimization			
Material Management and Minimization	\$2,010	\$1,996	\$1,982
Nonproliferation and Arms Control			
Nonproliferation and Arms Control	\$7,375	\$7,325	\$7,053
<i>Total Defense Nuclear Nonproliferation</i>	<i>\$195,690</i>	<i>\$194,361</i>	<i>\$207,788</i>
Departmental Administration			
Office of Indian Energy			
Office of Indian Energy	\$750	\$700	\$800
<i>Total Departmental Administration</i>	<i>\$750</i>	<i>\$700</i>	<i>\$800</i>
Fossil Energy Research and Development			
CCS and Power Systems			
Carbon Storage	\$622	\$618	\$0
Cross Cutting Research	\$285	\$283	\$0
<i>Total CCS and Power Systems</i>	<i>\$907</i>	<i>\$901</i>	<i>\$0</i>
Natural Gas Technologies			
Natural Gas Technologies	\$1,210	\$1,202	\$0
<i>Total Fossil Energy Research and Development</i>	<i>\$2,117</i>	<i>\$2,103</i>	<i>\$0</i>
Defense Environmental Cleanup			
NNSA Sites			
NNSA Sites	\$4,130	\$4,102	\$2,600
<i>Total Defense Environmental Cleanup</i>	<i>\$4,130</i>	<i>\$4,102</i>	<i>\$2,600</i>
Strategic Petroleum Reserve			
SPR Geotechnical Analytical Support			
SPR - Facilities Development	\$3,490	\$3,466	\$3,220
<i>Total Strategic Petroleum Reserve</i>	<i>\$3,490</i>	<i>\$3,466</i>	<i>\$3,220</i>
<i>Total Sandia National Laboratories</i>	<i>\$1,920,120</i>	<i>\$1,899,843</i>	<i>\$2,258,041</i>