

# Department of Energy

## FY 2025 Congressional Justification



## Laboratory Tables

# Department of Energy

## FY 2025 Congressional Justification



## Laboratory Tables

The numbers depicted in this document represent the gross level of DOE budget authority for the years displayed. The figures include discretionary and supplemental funding. 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.



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**DEPARTMENT OF ENERGY**  
**Laboratory Table Summary Report**  
FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Ames Laboratory	53,852	58,740	32,529
Ames Site Office	687	975	1,004
Argonne National Laboratory	808,899	825,637	884,459
Argonne Site Office	7,840	8,619	8,111
Battelle Savannah River Alliance	0	0	0
Berkeley Site Office	3,275	4,350	4,467
Bettis Atomic Power Laboratory	621,328	621,328	599,711
Brookhaven National Laboratory	678,899	658,332	704,350
Brookhaven Site Office	4,583	5,484	5,630
Carlsbad Area Office	20,588	20,588	28,688
Chicago Operations Office	129	89,329	129,368
Consolidated Business Center	95,774	98,233	102,494
Consolidated Service Center - Illinois	21,745	21,700	21,700
East Tennessee Technology Park (K25)	131,861	131,861	104,000
Energy Technology Engineering Center	26,409	26,409	10,000
Fermi National Accelerator Laboratory	686,501	738,517	788,730
Fermi Site Office	4,514	5,435	5,581
Fernald Environmental Management Project	1,062	1,062	500
Fernald Site	11,988	11,988	11,488
Golden Field Office	1,021,604	1,023,322	1,089,956
Grand Junction Office	41,856	41,856	59,694
Hanford Site	1,103,656	1,103,656	1,095,784
Idaho National Laboratory	1,603,441	1,589,818	1,559,126
Idaho Operations Office	325,879	310,459	223,579
Kansas City National Security Complex (KCNSC)	1,204,939	1,179,297	1,336,605
Kansas City Site Office	8,274	8,687	9,809
Knolls Atomic Power Laboratory	634,022	634,022	755,410
Lawrence Berkeley National Laboratory	1,065,468	1,025,570	971,513
Lawrence Livermore National Laboratory	2,367,795	2,387,806	2,505,395
Lexington Office	200	200	200
Livermore Site Office	34,271	17,995	33,273
Los Alamos National Laboratory	4,468,611	4,445,175	4,864,952
Los Alamos Site Office	21,669	21,681	23,345
Miamisburg Site	5	5	15
Moab Site	67,000	67,000	64,200
Mound Site	12,083	12,083	10,274
National Energy Technology Lab	1,025,648	1,027,652	1,043,285
National Renewable Energy Laboratory	687,057	662,442	712,026
Naval Petroleum Reserve No 1	11,004	11,004	11,010
Naval Reactors Facility	651,183	651,183	587,254
Naval Reactors Laboratory Field Office	16,791	16,791	18,682

**DEPARTMENT OF ENERGY**  
**Laboratory Table Summary Report**  
FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Naval Research Laboratory	9,300	6,878	1,600
Nevada Field Office	24,650	25,199	26,226
Nevada National Security Site	732,983	723,118	900,880
Nevada Operations Office	3,900	3,900	5,196
NNSA Albuquerque Complex	1,526,330	1,570,244	948,887
NNSA Production Office (NPO) - TN	40,429	41,883	17,105
NNSA Production Office (NPO) - TX	14,087	15,543	17,106
Northeast Gasoline Supply Reserve (NGSR) - South Portland	2,209	2,209	0
Northeast Gasoline Supply Reserve (NGSR) - Revere	0	0	0
Northeast Gasoline Supply Reserve (NGSR) - Raritan Bay	12,871	12,871	0
Oak Ridge Institute for Science & Education	35,585	38,819	51,646
Oak Ridge National Laboratory	2,144,205	2,112,808	2,213,234
Oak Ridge National Laboratory Site Office	7,742	8,064	8,311
Oak Ridge Office	20,091	20,091	21,686
Oak Ridge Reservation	62,000	62,000	72,000
Oak Ridge Reservation (Off-Site)	5,300	5,300	5,700
Office of River Protection	1,756,463	1,756,463	2,026,337
Office of Scientific & Technical Information	16,198	17,380	18,263
Pacific Northwest National Laboratory	935,978	742,783	904,199
Pacific Northwest Site Office	6,125	6,255	6,541
Paducah Gaseous Diffusion Plant	345,904	345,904	349,212
Pantex Plant	1,062,337	1,041,639	1,128,241
Pinellas Site	4,164	4,164	3,452
Portsmouth Gaseous Diffusion Plant	644,461	644,861	648,571
Princeton Plasma Physics Laboratory	85,038	91,661	122,476
Princeton Site Office	2,135	2,322	2,372
Richland Operations Office	64,927	64,833	74,183
Rocky Flats Site	41,288	41,288	31,295
Sandia National Laboratories	3,076,138	3,018,578	3,352,807
Sandia Site Office	29,525	29,618	29,545
Savannah River National Laboratory	222,624	208,509	262,140
Savannah River Operations Office	246,339	259,080	143,382
Savannah River Site	3,393,195	3,408,824	3,432,406
Savannah River Site Office	500	500	500
Separations Process Research Unit	15,300	15,300	845
SLAC National Accelerator Laboratory	558,166	607,602	644,093
SLAC Site Office	2,199	3,215	3,294
Southwestern Power Administration Office	162,802	189,737	0
Strategic Petroleum Reserve - Bayou Choctow	13,687	13,687	17,794
Strategic Petroleum Reserve - Big Hill	19,827	19,827	24,731
Strategic Petroleum Reserve - Bryan Mound	19,162	19,162	27,016

**DEPARTMENT OF ENERGY**  
**Laboratory Table Summary Report**  
FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Strategic Petroleum Reserve - West Hackberry	20,142	20,142	33,652
Strategic Petroleum Reserve Project Office	105,577	105,577	122,590
Thomas Jefferson National Accelerator Facility	191,018	167,530	188,283
Thomas Jefferson Site Office	2,218	2,411	2,468
Undesignated Lab/Plant/Installation	779,063	647,767	815,380
University of Rochester	86,100	86,641	92,648
Washington Headquarters	5,315,546	5,638,399	6,554,389
Waste Isolation Pilot Plant	475,181	476,316	441,515
Weldon Spring Site Office	5,131	5,131	4,473
West Valley Demonstration Project	95,866	95,866	96,757
Western Area Power Administration Office	1,391,923	1,670,444	1,771,349
Y-12 National Security Complex	1,905,916	1,937,943	2,810,322
Y-12 Site Office	48,020	48,020	73,320
Grants	2,163,123	2,108,639	2,220,680
Undesignated LPI	1,085,558	1,294,278	1,057,937
Total by Lab, Plant, and Installation	50,588,936	51,073,514	54,247,233



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Ames Laboratory FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Ames Laboratory</b>			
Research - Basic Energy Sciences	15,840	15,240	15,240
Basic Energy Sciences	15,840	15,240	15,240
Research - Fusion Energy Sciences	100	0	0
Fusion Energy Sciences	100	0	0
Research - High Energy Physics	1,645	1,645	1,645
High Energy Physics	1,645	1,645	1,645
21-SC-73, Ames Infrastructure Modernization	2,000	8,000	0
Construction - Science Laboratories Infrastructure	2,000	8,000	0
Science Laboratories Infrastructure	2,000	8,000	0
Safeguards and Security - SC	2,871	2,809	3,477
<b>Subtotal, Science</b>	<b>22,456</b>	<b>27,694</b>	<b>20,362</b>
Vehicle Technologies	1,600	1,600	1,765
Hydrogen and Fuel Cells Technologies	200	200	0
Sustainable Transportation and Fuels	1,800	1,800	1,765
Advanced Materials & Manufacturing Technologies Office	28,730	28,730	10,000
Buildings & Industry (formerly Energy Efficiency)	28,730	28,730	10,000
<b>Subtotal, Energy Efficiency and Renewable Energy</b>	<b>30,530</b>	<b>30,530</b>	<b>11,765</b>
Transformer Resilience and Advanced Components	350	0	0
Grid Hardware, Components, and Systems	350	0	0
<b>Subtotal, Electricity</b>	<b>350</b>	<b>0</b>	<b>0</b>
Hydrogen with Carbon Management	421	421	376
Carbon Management Technologies	421	421	376
Advanced Remediation Technologies	95	95	26
Resource Sustainability	95	95	26
<b>Subtotal, Fossil Energy and Carbon Management</b>	<b>516</b>	<b>516</b>	<b>402</b>
<b>Total Ames Laboratory</b>	<b>53,852</b>	<b>58,740</b>	<b>32,529</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Ames Site Office FY 2025  
 (Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Ames Site Office</b>			
Program Direction - SC	687	975	1,004
Subtotal, Science	687	975	1,004
<b>Total Ames Site Office</b>	<b>687</b>	<b>975</b>	<b>1,004</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Argonne National Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Argonne National Laboratory</b>			
Dynamic Materials Properties	7,375	4,934	5,207
Assessment Science	7,375	4,934	5,207
Stockpile Research, Technology, and Engineering	7,375	4,934	5,207
Safety and Environmental Operations	30	30	0
Operating	30	30	0
Infrastructure and Operations	30	30	0
<b>Subtotal, Weapons Activities</b>	<b>7,405</b>	<b>4,964</b>	<b>5,207</b>
Reactor Conversion and Uranium Supply	25,643	25,643	23,933
Plutonium Disposition	210	210	150
Material Management and Minimization	25,853	25,853	24,083
International Nuclear Security	1,097	632	633
Radiological Security	2,836	3,286	3,286
Nuclear Smuggling Detection and Deterrence	852	2,041	2,163
Global Material Security	4,785	5,959	6,082
Nonproliferation & Arms Control	13,743	13,700	14,400
Proliferation Detection R&D	3,860	3,450	3,775
Nonproliferation Fuels Development	4,000	4,000	0
Forensics R&D	575	575	489
Nonproliferation Stewardship Program	1,810	873	873
Defense Nuclear Nonproliferation R&D	10,245	8,898	5,137
NNSA Bioassurance Program	250	250	0
Emergency Management (formerly Emergency Operations)	704	250	275
Counterterrorism and Counterproliferation	3,606	4,155	5,013
Nuclear Counterterrorism & Incident Response	4,310	4,405	5,288
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>59,186</b>	<b>59,065</b>	<b>54,990</b>
Program Direction - National Nuclear Security Administration	1,200	1,200	1,200
<b>Subtotal, Federal Salaries and Expenses</b>	<b>1,200</b>	<b>1,200</b>	<b>1,200</b>
Research - Advanced Scientific Computing Research	167,746	210,338	225,533
Advanced Scientific Computing Research	167,746	210,338	225,533
Research - Basic Energy Sciences	267,602	256,521	298,444
18-SC-10, Advanced Photon Source Upgrade (APS-U), ANL	9,200	0	0
Construction - Basic Energy Sciences	9,200	0	0
Basic Energy Sciences	276,802	256,521	298,444
Research - Biological & Environmental Research	46,379	51,999	49,538
Biological and Environmental Research	46,379	51,999	49,538
Research - Fusion Energy Sciences	623	700	750
Fusion Energy Sciences	623	700	750
Research - High Energy Physics	17,993	17,593	15,035
High Energy Physics	17,993	17,593	15,035
Operations and Maintenance - Nuclear Physics	35,878	32,802	36,970
Nuclear Physics	35,878	32,802	36,970
Research - Accelerator R&D and Production	0	315	315
Accelerator R&D and Production	0	315	315
Facilities and Infrastructure (SLI)	0	9,586	9,290
20-SC-77, Argonne Utilities Upgrade, ANL (20-SC-79)	8,000	8,000	3,000
Construction - Science Laboratories Infrastructure	8,000	8,000	3,000
Science Laboratories Infrastructure	8,000	17,586	12,290
Safeguards and Security - SC	18,335	14,934	14,934

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Argonne National Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Subtotal, Science</b>	<b>571,756</b>	<b>602,788</b>	<b>653,809</b>
Vehicle Technologies	64,000	64,000	70,580
Bioenergy Technologies	11,000	11,000	9,050
Hydrogen and Fuel Cells Technologies	7,300	7,300	7,100
Sustainable Transportation and Fuels	82,300	82,300	86,730
Renewable Energy Integration	2,000	2,000	3,520
Solar Energy Technologies	1,000	1,000	1,000
Wind Energy Technologies	1,622	1,622	1,758
Water Power Technologies	1,529	1,529	1,500
Geothermal Technologies	30	30	30
Renewable Energy	6,181	6,181	7,808
Advanced Materials & Manufacturing Technologies Office	15,000	15,000	3,000
Building Technologies	1,300	1,300	1,500
Buildings & Industry (formerly Energy Efficiency)	16,300	16,300	4,500
Strategic Programs	713	713	700
Corporate Support	713	713	700
<b>Subtotal, Energy Efficiency and Renewable Energy</b>	<b>105,494</b>	<b>105,494</b>	<b>99,738</b>
Facility and Workforce Assistance (MESC)	0	750	750
<b>Subtotal, Manufacturing &amp; Energy Supply Chains (MESC)</b>	<b>0</b>	<b>750</b>	<b>750</b>
Transmission Reliability and Resilience	2,730	0	3,080
Energy Delivery Grid Operations Technology	2,297	0	2,300
Resilient Distribution Systems	1,634	0	2,000
Grid Controls and Communications	6,661	0	7,380
Energy Storage R&D	2,733	0	2,850
Energy Storage	2,733	0	2,850
Applied Grid Transformation Solutions	400	0	500
Grid Hardware, Components, and Systems	3,133	0	3,350
Grid Technical Assistance	2,000	2,000	0
<b>Subtotal, Grid Deployment Office (OE)</b>	<b>2,000</b>	<b>2,000</b>	<b>0</b>
<b>Subtotal, Electricity</b>	<b>11,794</b>	<b>2,000</b>	<b>10,730</b>
Transmission Planning & Permitting (GDO)	0	0	1,120
<b>Subtotal, Grid Deployment Office</b>	<b>0</b>	<b>0</b>	<b>1,120</b>
Risk Management Technology and Tools (270)	3,900	3,900	3,323
Response and Restoration (270)	800	800	1,148
Policy, Preparedness, and Risk Analysis (270)	4,195	4,195	4,452
<b>Subtotal, Cybersecurity, Energy Security, and Emergency Response</b>	<b>8,895</b>	<b>8,895</b>	<b>8,922</b>
Hydrogen with Carbon Management	1,325	1,325	1,185
Carbon Transport and Storage	59	59	52
Carbon Dioxide Removal	235	235	302
Carbon Utilization	583	583	0
Carbon Dioxide Conversion	0	0	699
Carbon Capture	56	56	0
Point-Source Carbon Capture	0	0	40
Carbon Management Technologies	2,258	2,258	2,278
Methane Mitigation Technologies	1,586	1,586	2,003
Natural Gas Decarbonization and Hydrogen Technologies	227	227	213
Mineral Sustainability	78	78	113
Resource Sustainability	1,891	1,891	2,329
Program Direction - Fossil Energy	11	11	16
<b>Subtotal, Fossil Energy and Carbon Management</b>	<b>4,160</b>	<b>4,160</b>	<b>4,623</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Argonne National Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
NEUP, SBIR/STTR, and TCF	4,461	0	0
Directed R&D and University Programs	4,461	0	0
Advanced SMR R&D	230	0	0
LWR Sustainability	249	0	0
Advanced Reactor Technologies	3,864	7,000	5,800
Integrated Energy Systems	0	0	3,500
Reactor Concepts RD&D	4,343	7,000	9,300
Materials Recovery and Waste Form Development	2,840	2,840	2,457
Accident Tolerant Fuels	30	30	26
TRISO and Graphite Qualification	155	155	0
Fuel Cycle Laboratory R&D	3,403	3,403	1,760
Advanced Nuclear Fuel Availability	250	250	375
Used Nuclear Fuel Disposition R&D	864	1,092	2,765
Integrated Waste Management System	2,105	2,848	4,000
Next Generation Fuels	0	0	1,507
Fuel Cycle Research & Development	9,647	10,618	12,890
Crosscutting Technology Development	7,064	6,059	0
Joint Modeling and Simulation Program	6,825	6,474	6,500
Nuclear Science User Facility	11	375	500
Advanced Materials and Manufacturing Technologies	0	0	4,200
Advanced Sensors and Instrumentation	0	0	1,200
Nuclear Energy Enabling Technologies	13,900	12,908	12,400
Regulatory Development	4,580	4,230	4,700
Advanced Reactor Safeguards	625	300	695
Advanced Reactors Demonstration Program	5,205	4,530	5,395
International Nuclear Energy Cooperation	320	320	400
<b>Subtotal, Nuclear Energy</b>	<b>37,876</b>	<b>35,376</b>	<b>40,385</b>
Environment, Health, Safety & Security	945	945	945
Environment, Health, Safety, and Security	945	945	945
<b>Subtotal, Other Defense Activities</b>	<b>945</b>	<b>945</b>	<b>945</b>
Office of Technology Transitions Program Direction	188	0	0
<b>Subtotal, Office of Technology Transitions</b>	<b>188</b>	<b>0</b>	<b>0</b>
Advanced Technology Vehicle Manufacturing Loan Program	0	0	2,040
<b>Subtotal, Advanced Technology Vehicles Manufacturing Loan</b>	<b>0</b>	<b>0</b>	<b>2,040</b>
Total Loan Program Office	0	0	2,040
<b>Total Argonne National Laboratory</b>	<b>808,899</b>	<b>825,637</b>	<b>884,459</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Argonne Site Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Argonne Site Office</b>			
Program Direction - SC	4,119	4,994	5,111
Subtotal, Science	4,119	4,994	5,111
National Reactor Innovation Center	3,721	3,625	3,000
Advanced Reactors Demonstration Program	3,721	3,625	3,000
Subtotal, Nuclear Energy	3,721	3,625	3,000
<b>Total Argonne Site Office</b>	<b>7,840</b>	<b>8,619</b>	<b>8,111</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Berkeley Site Office FY 2025  
 (Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Berkeley Site Office</b>			
Program Direction - SC	3,275	4,350	4,467
Subtotal, Science	3,275	4,350	4,467
<b>Total Berkeley Site Office</b>	<b>3,275</b>	<b>4,350</b>	<b>4,467</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Bettis Atomic Power Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Bettis Atomic Power Laboratory</b>			
Naval Reactors Development	351,028	351,028	411,572
Columbia-Class Reactor Systems Development	10,180	10,180	3,115
Naval Reactors Operations and Infrastructure	202,700	202,700	185,024
23-D-533 BL Component Test Complex	57,420	57,420	0
Construction - Naval Reactors	57,420	57,420	0
Subtotal, Naval Reactors	621,328	621,328	599,711
<b>Total Bettis Atomic Power Laboratory</b>	<b>621,328</b>	<b>621,328</b>	<b>599,711</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Brookhaven National Laboratory FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Brookhaven National Laboratory</b>			
Safety and Environmental Operations	437	437	525
Operating	437	437	525
Infrastructure and Operations	437	437	525
<b>Subtotal, Weapons Activities</b>	<b>437</b>	<b>437</b>	<b>525</b>
Reactor Conversion and Uranium Supply	484	484	375
Material Management and Minimization	484	484	375
Radiological Security	1,814	1,527	1,527
Nuclear Smuggling Detection and Deterrence	515	2,041	2,163
Global Material Security	2,329	3,568	3,690
Nonproliferation & Arms Control	3,302	3,300	3,314
Proliferation Detection R&D	7,957	7,683	8,407
Forensics R&D	475	475	404
Nonproliferation Stewardship Program	300	0	0
Defense Nuclear Nonproliferation R&D	8,732	8,158	8,811
Counterterrorism and Counterproliferation	3,289	3,036	3,692
Nuclear Counterterrorism & Incident Response	3,289	3,036	3,692
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>18,136</b>	<b>18,546</b>	<b>19,882</b>
Program Direction - National Nuclear Security Administration	7	7	7
<b>Subtotal, Federal Salaries and Expenses</b>	<b>7</b>	<b>7</b>	<b>7</b>
Research - Advanced Scientific Computing Research	2,643	2,495	2,495
Advanced Scientific Computing Research	2,643	2,495	2,495
Research - Basic Energy Sciences	235,066	222,836	228,111
24-SC-12, Future NSLS-II Experimental Tools - III (NEXT-III)	0	0	5,500
Construction - Basic Energy Sciences	0	0	5,500
Basic Energy Sciences	235,066	222,836	233,611
Research - Biological & Environmental Research	19,884	19,614	19,805
Biological and Environmental Research	19,884	19,614	19,805
Research - Fusion Energy Sciences	2,409	2,409	2,409
Fusion Energy Sciences	2,409	2,409	2,409
Research - High Energy Physics	61,996	64,425	63,254
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	4,900	10,000	10,000
Construction - High Energy Physics	4,900	10,000	10,000
High Energy Physics	66,896	74,425	73,254
Operations and Maintenance - Nuclear Physics	218,721	186,351	202,779
20-SC-52, Electron Ion Collider, BNL	50,000	95,000	110,000
Construction - Nuclear Physics	50,000	95,000	110,000
Nuclear Physics	268,721	281,351	312,779
Research - Accelerator R&D and Production	6,395	8,644	8,801
Accelerator R&D and Production	6,395	8,644	8,801
20-SC-71, Critical Utilities Rehabilitation Project, BNL	26,000	0	0
Construction - Science Laboratories Infrastructure	26,000	0	0
Science Laboratories Infrastructure	26,000	0	0
Safeguards and Security - SC	22,930	19,755	20,064
<b>Subtotal, Science</b>	<b>650,944</b>	<b>631,529</b>	<b>673,218</b>
Vehicle Technologies	3,175	3,175	3,502
Hydrogen and Fuel Cells Technologies	200	200	400
Sustainable Transportation and Fuels	3,375	3,375	3,902
Geothermal Technologies	230	230	500

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Brookhaven National Laboratory FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Renewable Energy	230	230	500
Building Technologies	57	57	150
Buildings & Industry (formerly Energy Efficiency)	57	57	150
<b>Subtotal, Energy Efficiency and Renewable Energy</b>	<b>3,662</b>	<b>3,662</b>	<b>4,552</b>
Transmission Reliability and Resilience	1,100	0	1,240
Grid Controls and Communications	1,100	0	1,240
<b>Subtotal, Electricity</b>	<b>1,100</b>	<b>0</b>	<b>1,240</b>
Carbon Dioxide Removal	986	986	1,270
Carbon Utilization	6	6	0
Carbon Dioxide Conversion	0	0	7
Carbon Management Technologies	992	992	1,277
Mineral Sustainability	1,246	1,246	1,805
Resource Sustainability	1,246	1,246	1,805
<b>Subtotal, Fossil Energy and Carbon Management</b>	<b>2,238</b>	<b>2,238</b>	<b>3,082</b>
NEUP, SBIR/STTR, and TCF	442	0	0
Directed R&D and University Programs	442	0	0
Accident Tolerant Fuels	305	305	262
Fuel Cycle Laboratory R&D	1,008	1,008	521
Fuel Cycle Research & Development	1,313	1,313	783
Advanced Reactor Safeguards	370	350	811
Advanced Reactors Demonstration Program	370	350	811
<b>Subtotal, Nuclear Energy</b>	<b>2,125</b>	<b>1,663</b>	<b>1,594</b>
Environment, Health, Safety & Security	250	250	250
Environment, Health, Safety, and Security	250	250	250
<b>Subtotal, Other Defense Activities</b>	<b>250</b>	<b>250</b>	<b>250</b>
<b>Total Brookhaven National Laboratory</b>	<b>678,899</b>	<b>658,332</b>	<b>704,350</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Brookhaven Site Office FY 2025  
 (Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Brookhaven Site Office</b>			
Program Direction - SC	4,583	5,484	5,630
Subtotal, Science	4,583	5,484	5,630
<b>Total Brookhaven Site Office</b>	<b>4,583</b>	<b>5,484</b>	<b>5,630</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Carlsbad Area Office FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Carlsbad Area Office</b>			
Program Direction - National Nuclear Security Administration	1	1	1
Subtotal, Federal Salaries and Expenses	1	1	1
Program Direction - Defense Environmental Cleanup	12,761	12,761	17,378
Safeguards and Security - Defense Environmental Cleanup	7,826	7,826	11,309
Subtotal, Defense Environmental Cleanup	20,587	20,587	28,687
<b>Total Carlsbad Area Office</b>	<b>20,588</b>	<b>20,588</b>	<b>28,688</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Chicago Operations Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Chicago Operations Office</b>			
Program Direction - National Nuclear Security Administration	7	7	7
Subtotal, Federal Salaries and Expenses	7	7	7
Research - Biological & Environmental Research	0	89,201	129,240
Biological and Environmental Research	0	89,201	129,240
Subtotal, Science	0	89,201	129,240
Hydrogen with Carbon Management	1	1	1
Carbon Management Technologies	1	1	1
Natural Gas Decarbonization and Hydrogen Technologies	70	70	66
Resource Sustainability	70	70	66
Subtotal, Fossil Energy and Carbon Management	71	71	67
Nuclear Science User Facility	1	0	0
Nuclear Energy Enabling Technologies	1	0	0
Subtotal, Nuclear Energy	1	0	0
Environment, Health, Safety & Security	50	50	54
Environment, Health, Safety, and Security	50	50	54
Subtotal, Other Defense Activities	50	50	54
<b>Total Chicago Operations Office</b>	<b>129</b>	<b>89,329</b>	<b>129,368</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Consolidated Business Center FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Consolidated Business Center</b>			
Plutonium Disposition	60	60	25
Material Management and Minimization	60	60	25
Nuclear Detonation Detection	250	253	293
Defense Nuclear Nonproliferation R&D	250	253	293
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>310</b>	<b>313</b>	<b>318</b>
Payment In Lieu of Taxes	4,891	5,004	5,119
Oak Ridge Landlord	6,559	6,910	7,032
Science Laboratories Infrastructure	11,450	11,914	12,151
Safeguards and Security - SC	6,035	5,684	5,816
Program Direction - SC	35,706	38,049	39,387
<b>Subtotal, Science</b>	<b>53,191</b>	<b>55,647</b>	<b>57,354</b>
Environment, Health, Safety & Security	259	259	259
Environment, Health, Safety, and Security	259	259	259
<b>Subtotal, Other Defense Activities</b>	<b>259</b>	<b>259</b>	<b>259</b>
Closure Sites Administration	2,452	2,452	750
Program Direction - Defense Environmental Cleanup	39,562	39,562	43,813
<b>Subtotal, Defense Environmental Cleanup</b>	<b>42,014</b>	<b>42,014</b>	<b>44,563</b>
<b>Total Consolidated Business Center</b>	<b>95,774</b>	<b>98,233</b>	<b>102,494</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Consolidated Service Center - Illinois FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Consolidated Service Center - Illinois</b>			
Strategic Partnership Projects	21,745	21,700	21,700
Subtotal, Departmental Administration (Gross)	21,745	21,700	21,700
Subtotal, Departmental Administration	21,745	21,700	21,700
<b>Total Consolidated Service Center - Illinois</b>	<b>21,745</b>	<b>21,700</b>	<b>21,700</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
East Tennessee Technology Park (K25) FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>East Tennessee Technology Park (K25)</b>			
Safeguards and Security - Defense Environmental Cleanup	13,915	13,915	14,000
Subtotal, Defense Environmental Cleanup	13,915	13,915	14,000
Oak Ridge (D&D Fund)	92,946	92,946	65,000
Oak Ridge - Pension and Community and Regulatory Support	25,000	25,000	25,000
Pension and Community and Regulatory Support	25,000	25,000	25,000
Subtotal, Uranium Enrichment D&D	117,946	117,946	90,000
<b>Total East Tennessee Technology Park (K25)</b>	<b>131,861</b>	<b>131,861</b>	<b>104,000</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Energy Technology Engineering Center FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Energy Technology Engineering Center</b>			
Small Sites - NDEC	26,409	26,409	10,000
Subtotal, Non-Defense Environmental Cleanup	26,409	26,409	10,000
<b>Total Energy Technology Engineering Center</b>	<b>26,409</b>	<b>26,409</b>	<b>10,000</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Fermi National Accelerator Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Fermi National Accelerator Laboratory</b>			
Proliferation Detection R&D	750	775	848
Defense Nuclear Nonproliferation R&D	750	775	848
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>750</b>	<b>775</b>	<b>848</b>
Research - Advanced Scientific Computing Research	1,778	0	0
Advanced Scientific Computing Research	1,778	0	0
Research - High Energy Physics	356,323	324,368	334,598
18-SC-42, Proton Improvement Plan II (PIP-II), FNAL	120,000	125,000	125,000
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	171,100	241,000	270,000
11-SC-41, Muon to Electron Conversion Experiment, FNAL	2,000	0	0
Construction - High Energy Physics	293,100	366,000	395,000
High Energy Physics	649,423	690,368	729,598
Research - Accelerator R&D and Production	23	0	0
Accelerator R&D and Production	23	0	0
20-SC-80, Utilities Infrastructure Project, FNAL (20-SC-82)	20,000	35,000	45,000
Construction - Science Laboratories Infrastructure	20,000	35,000	45,000
Science Laboratories Infrastructure	20,000	35,000	45,000
Safeguards and Security - SC	14,527	12,374	13,284
<b>Subtotal, Science</b>	<b>685,751</b>	<b>737,742</b>	<b>787,882</b>
<b>Total Fermi National Accelerator Laboratory</b>	<b>686,501</b>	<b>738,517</b>	<b>788,730</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Fermi Site Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Fermi Site Office</b>			
Program Direction - SC	4,514	5,435	5,581
Subtotal, Science	4,514	5,435	5,581
<b>Total Fermi Site Office</b>	<b>4,514</b>	<b>5,435</b>	<b>5,581</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Fernald Environmental Management Project FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Fernald Environmental Management Project</b>			
Closure Sites Administration	1,062	1,062	500
Subtotal, Defense Environmental Cleanup	1,062	1,062	500
<b>Total Fernald Environmental Management Project</b>	<b>1,062</b>	<b>1,062</b>	<b>500</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Fernald Site FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Fernald Site</b>			
Legacy Management Activities - Defense	11,988	11,988	11,488
Legacy Management	11,988	11,988	11,488
Subtotal, Other Defense Activities	11,988	11,988	11,488
<b>Total Fernald Site</b>	<b>11,988</b>	<b>11,988</b>	<b>11,488</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Golden Field Office FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Golden Field Office</b>			
Bioenergy Technologies	155,350	155,350	138,500
Hydrogen and Fuel Cells Technologies	85,700	85,700	80,000
Sustainable Transportation and Fuels	241,050	241,050	218,500
Solar Energy Technologies	178,500	178,500	146,000
Wind Energy Technologies	32,822	32,822	75,859
Water Power Technologies	66,022	66,022	38,000
Geothermal Technologies	66,464	66,464	89,071
Renewable Energy	343,808	343,808	348,930
Industrial Efficiency & Decarbonization Office	184,900	184,900	198,727
Advanced Materials & Manufacturing Technologies Office	92,313	92,313	113,500
Building Technologies	50,000	50,000	65,000
Buildings & Industry (formerly Energy Efficiency)	327,213	327,213	377,227
Program Direction - Energy Efficiency and Renewable Energy	30,471	30,471	32,911
Total Program Direction (EERE)	30,471	30,471	32,911
Corporate Support	30,471	30,471	32,911
Subtotal, Energy Efficiency and Renewable Energy	942,542	942,542	977,568
FEED/AFFECT (FEMP)	14,000	14,000	10,000
Subtotal, Federal Energy Management Program (FEMP)	14,000	14,000	10,000
Facility and Workforce Assistance (MESC)	14,987	12,000	16,000
Subtotal, Manufacturing & Energy Supply Chains (MESC)	14,987	12,000	16,000
Training and Technical Assistance (SCEP)	2,200	1,700	1,700
Local Government Energy Program (SCEP)	12,000	12,000	36,000
Energy Future Grants (SCEP)	22,000	27,000	35,000
State Energy Program Grants (SCEP)	1,220	1,325	1,325
Program Direction - SCEP	900	1,000	1,000
Weatherization Readiness Fund (SCEP)	0	0	4,000
Subtotal, State and Community Programs (SCEP)	38,320	43,025	79,025
Wholesale Electricity Market Technical Assistance and Grants (GDO)	11,755	11,755	0
Distribution & Markets (GDO)	0	0	7,363
Subtotal, Grid Deployment Office	11,755	11,755	7,363
<b>Total Golden Field Office</b>	<b>1,021,604</b>	<b>1,023,322</b>	<b>1,089,956</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Grand Junction Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Grand Junction Office</b>			
Legacy Management Activities - Defense	41,856	41,856	59,694
Legacy Management	41,856	41,856	59,694
Subtotal, Other Defense Activities	41,856	41,856	59,694
<b>Total Grand Junction Office</b>	<b>41,856</b>	<b>41,856</b>	<b>59,694</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Hanford Site FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Hanford Site</b>			
River Corridor and Other Cleanup Operations	279,085	279,085	133,000
Central Plateau Remediation	695,071	695,071	773,030
18-D-404 WESF Modification and Capsule Storage	3,100	3,100	0
22-D-401 Eastern Plateau Fire Station	3,100	3,100	13,500
22-D-402 L-897, 200 Area Water Treatment Facility	8,900	8,900	7,800
23-D-404 181D Export Water System Reconfiguration and Upgrade	6,770	6,770	18,886
23-D-405 181B Export Water System Reconfiguration and Upgrade	480	480	1,168
24-D-401 Environmental Restoration Disposal Facility Supercell 11 Expansion Proj	0	0	25,000
Construction - Richland	22,350	22,350	66,354
Richland	996,506	996,506	972,384
Safeguards and Security - Defense Environmental Cleanup	103,950	103,950	120,100
<b>Subtotal, Defense Environmental Cleanup</b>	<b>1,100,456</b>	<b>1,100,456</b>	<b>1,092,484</b>
Fast Flux Test Reactor Facility (WA)	3,200	3,200	3,300
<b>Subtotal, Non-Defense Environmental Cleanup</b>	<b>3,200</b>	<b>3,200</b>	<b>3,300</b>
<b>Total Hanford Site</b>	<b>1,103,656</b>	<b>1,103,656</b>	<b>1,095,784</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Idaho National Laboratory FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Idaho National Laboratory</b>			
Tritium & Domestic Uranium Enrichment	3,158	3,710	3,484
Tritium and Domestic Uranium Enrichment	3,158	3,710	3,484
Production Modernization	3,158	3,710	3,484
Safety and Environmental Operations	725	725	610
Operating	725	725	610
Infrastructure and Operations	725	725	610
<b>Subtotal, Weapons Activities</b>	<b>3,883</b>	<b>4,435</b>	<b>4,094</b>
Reactor Conversion and Uranium Supply	46,095	46,095	43,085
Nuclear Material Removal and Elimination	5,021	5,021	9,280
Material Management and Minimization	51,116	51,116	52,365
International Nuclear Security	201	6,319	6,319
Radiological Security	16,879	17,019	17,019
Nuclear Smuggling Detection and Deterrence	131	1,418	1,503
Global Material Security	17,211	24,756	24,841
Nonproliferation & Arms Control	4,142	4,120	2,951
Proliferation Detection R&D	8,443	8,059	8,819
Nonproliferation Fuels Development	9,740	9,740	0
Forensics R&D	900	900	765
Nonproliferation Stewardship Program	3,745	4,247	4,242
Defense Nuclear Nonproliferation R&D	22,828	22,946	13,826
Emergency Management (formerly Emergency Operations)	30	0	0
Counterterrorism and Counterproliferation	6,836	5,165	6,499
Nuclear Counterterrorism & Incident Response	6,866	5,165	6,499
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>102,163</b>	<b>108,103</b>	<b>100,482</b>
Naval Reactors Development	99,747	99,747	94,750
<b>Subtotal, Naval Reactors</b>	<b>99,747</b>	<b>99,747</b>	<b>94,750</b>
Program Direction - National Nuclear Security Administration	1	1	1
<b>Subtotal, Federal Salaries and Expenses</b>	<b>1</b>	<b>1</b>	<b>1</b>
Research - Basic Energy Sciences	2,100	2,100	2,100
Basic Energy Sciences	2,100	2,100	2,100
Research - Fusion Energy Sciences	2,600	2,800	1,500
Fusion Energy Sciences	2,600	2,800	1,500
<b>Subtotal, Science</b>	<b>4,700</b>	<b>4,900</b>	<b>3,600</b>
Vehicle Technologies	10,500	10,500	11,580
Bioenergy Technologies	12,500	12,500	9,000
Hydrogen and Fuel Cells Technologies	8,100	8,100	3,300
Sustainable Transportation and Fuels	31,100	31,100	23,880
Renewable Energy Integration	100	100	100
Solar Energy Technologies	1,000	1,000	1,000
Wind Energy Technologies	1,140	1,140	2,688
Water Power Technologies	4,593	4,593	5,000
Geothermal Technologies	30	30	30
Renewable Energy	6,863	6,863	8,818
Advanced Materials & Manufacturing Technologies Office	0	0	500
Building Technologies	35	35	300
Buildings & Industry (formerly Energy Efficiency)	35	35	800
<b>Subtotal, Energy Efficiency and Renewable Energy</b>	<b>37,998</b>	<b>37,998</b>	<b>33,498</b>
Federal Energy Management Program (FEMP)	650	334	334

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Idaho National Laboratory FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Subtotal, Federal Energy Management Program (FEMP)	650	334	334
Analysis and Strategic Investment (MESC)	400	400	1,000
Subtotal, Manufacturing & Energy Supply Chains (MESC)	400	400	1,000
Transmission Reliability and Resilience	2,361	0	2,670
Energy Delivery Grid Operations Technology	22	0	25
Resilient Distribution Systems	2,038	0	1,500
Cyber Resilient & Secure Utility Communications Network (SecureNet)	0	0	4,500
Grid Controls and Communications	4,421	0	8,695
Energy Storage R&D	1,538	0	1,600
Energy Storage	1,538	0	1,600
Transformer Resilience and Advanced Components	1,008	0	2,500
Applied Grid Transformation Solutions	1,644	0	2,000
Grid Hardware, Components, and Systems	4,190	0	6,100
Subtotal, Electricity	8,611	0	14,795
Wholesale Electricity Market Technical Assistance and Grants (GDO)	500	500	0
Distribution & Markets (GDO)	0	0	2,313
Subtotal, Grid Deployment Office	500	500	2,313
Risk Management Technology and Tools (270)	28,165	28,165	23,997
Response and Restoration (270)	2,400	2,400	3,443
Policy, Preparedness, and Risk Analysis (270)	5,248	5,248	5,569
Subtotal, Cybersecurity, Energy Security, and Emergency Response	35,813	35,813	33,009
Carbon Transport and Storage	89	89	79
Carbon Utilization	413	413	0
Carbon Dioxide Conversion	0	0	495
Carbon Capture	84	84	0
Point-Source Carbon Capture	0	0	60
Carbon Management Technologies	586	586	634
Mineral Sustainability	44	44	63
Resource Sustainability	44	44	63
Energy Asset Transformation (formerly Repurposing Fossil Energy Assets)	145	145	145
Subtotal, Fossil Energy and Carbon Management	775	775	842
University Fuel Services	0	0	28,180
NEUP, SBIR/STTR, and TCF	43,176	21,350	4,075
Directed R&D and University Programs	43,176	21,350	32,255
Advanced SMR R&D	610	0	0
LWR Sustainability	24,921	12,745	15,460
Advanced Reactor Technologies	21,433	27,200	24,300
Integrated Energy Systems	0	0	5,500
Reactor Concepts RD&D	46,964	39,945	45,260
Materials Recovery and Waste Form Development	36,763	36,763	31,905
Accident Tolerant Fuels	30,044	30,044	26,000
TRISO and Graphite Qualification	26,215	26,215	0
Fuel Cycle Laboratory R&D	13,672	13,672	7,072
Advanced Nuclear Fuel Availability	12,905	12,905	19,358
Used Nuclear Fuel Disposition R&D	5,350	1,220	5,350
Integrated Waste Management System	3,028	5,000	5,000
Next Generation Fuels	0	0	24,386
Fuel Cycle Research & Development	127,977	125,819	119,071
Crosscutting Technology Development	17,012	14,600	0
Joint Modeling and Simulation Program	10,520	10,942	10,900

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Idaho National Laboratory FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Nuclear Science User Facility	29,927	31,650	31,025
Advanced Materials and Manufacturing Technologies	0	0	4,500
Gateway for Accelerated Innovation in Nuclear	0	0	7,500
Advanced Sensors and Instrumentation	0	0	5,650
Nuclear Energy Enabling Technologies	57,459	57,192	59,575
National Reactor Innovation Center	62,052	62,875	26,500
Risk Reduction for Future Demonstrations	0	20,000	10,000
Regulatory Development	3,215	3,500	4,180
Advanced Reactor Safeguards	200	50	116
23-E-200 LOTUS Project	20,000	20,000	18,748
Advanced Reactors Demonstration Program	85,467	106,425	59,544
INL Facilities Operations and Maintenance	315,317	314,241	328,850
16-E-200 Sample Preparation Laboratory	7,300	7,300	0
Infrastructure	322,617	321,541	328,850
Idaho Sitewide Safeguards & Security (050)	148,600	148,600	150,000
International Nuclear Energy Cooperation	410	410	410
Program Direction - Nuclear Energy	3,880	3,880	4,250
<b>Subtotal, Nuclear Energy</b>	<b>836,550</b>	<b>825,162</b>	<b>799,215</b>
Environment, Health, Safety & Security	150	150	150
<b>Environment, Health, Safety, and Security</b>	<b>150</b>	<b>150</b>	<b>150</b>
<b>Subtotal, Other Defense Activities</b>	<b>150</b>	<b>150</b>	<b>150</b>
Idaho Cleanup and Waste Disposition	424,295	424,295	430,678
Idaho Community and Regulatory Support	2,705	2,705	3,315
22-D-403 Idaho Spent Nuclear Fuel Staging Facility	8,000	8,000	0
22-D-404 Additional ICDF Landfill Disposal Cell and Evaporation Ponds Project	8,000	8,000	25,250
23-D-402 - Calcine Construction	15,000	15,000	0
Construction - Idaho	31,000	31,000	25,250
Idaho National Laboratory (INL)	458,000	458,000	459,243
<b>Subtotal, Defense Environmental Cleanup</b>	<b>458,000</b>	<b>458,000</b>	<b>459,243</b>
Small Sites - NDEC	13,500	13,500	11,800
<b>Subtotal, Non-Defense Environmental Cleanup</b>	<b>13,500</b>	<b>13,500</b>	<b>11,800</b>
<b>Total Idaho National Laboratory</b>	<b>1,603,441</b>	<b>1,589,818</b>	<b>1,559,126</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Idaho Operations Office FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Idaho Operations Office</b>			
Research - Basic Energy Sciences	369	369	369
Basic Energy Sciences	369	369	369
Subtotal, Science	369	369	369
University Nuclear Leadership Program	0	0	8,000
University Fuel Services	0	0	50
NEUP, SBIR/STTR, and TCF	58,406	6,600	550
Directed R&D and University Programs	58,406	6,600	8,600
Advanced SMR R&D	117,663	115,000	0
LWR Sustainability	10,220	21,955	11,140
Advanced Reactor Technologies	530	600	600
Reactor Concepts RD&D	128,413	137,555	11,740
Accident Tolerant Fuels	64,535	64,535	57,114
TRISO and Graphite Qualification	220	220	0
Advanced Nuclear Fuel Availability	5,558	5,558	8,337
Used Nuclear Fuel Disposition R&D	1,963	1,290	1,060
Integrated Waste Management System	14,145	12,000	14,022
Fuel Cycle Research & Development	86,421	83,603	80,533
Joint Modeling and Simulation Program	69	220	220
Nuclear Science User Facility	220	220	220
Advanced Materials and Manufacturing Technologies	0	0	6,000
Nuclear Energy Enabling Technologies	289	440	6,440
National Reactor Innovation Center	220	500	500
Risk Reduction for Future Demonstrations	0	30,000	58,000
Regulatory Development	172	220	220
Advanced Reactor Safeguards	50	0	0
Advanced Reactors Demonstration Program	442	30,720	58,720
INL Facilities Operations and Maintenance	2,410	3,486	3,401
Infrastructure	2,410	3,486	3,401
Idaho Sitewide Safeguards & Security (050)	1,400	1,400	0
International Nuclear Energy Cooperation	1,612	1,612	3,224
Program Direction - Nuclear Energy	30,899	30,899	36,369
Subtotal, Nuclear Energy	310,292	296,315	209,027
Nuclear Waste Fund Oversight	500	500	500
Subtotal, Nuclear Waste Disposal	500	500	500
Strategic Partnership Projects	2,000	2,000	2,000
Subtotal, Departmental Administration (Gross)	2,000	2,000	2,000
Subtotal, Departmental Administration	2,000	2,000	2,000
Environment, Health, Safety & Security	400	400	400
Environment, Health, Safety, and Security	400	400	400
Subtotal, Other Defense Activities	400	400	400
Technology Transitions Program Office	114	0	0
Office of Technology Transitions Program Direction	1,329	0	0
Subtotal, Office of Technology Transitions	1,443	0	0
Program Direction - Defense Environmental Cleanup	10,875	10,875	11,283
Subtotal, Defense Environmental Cleanup	10,875	10,875	11,283
<b>Total Idaho Operations Office</b>	<b>325,879</b>	<b>310,459</b>	<b>223,579</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Kansas City National Security Complex (KCNSC) FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Kansas City National Security Complex (KCNSC)</b>			
B61-12 LEP	146,696	146,696	0
W88 ALT 370	43,106	43,106	1,000
W80-4 LEP	187,889	187,889	280,385
W87-1 Modification Program	97,000	97,000	159,935
W93 Program	12,000	12,000	33,974
Stockpile Major Modernization	486,691	486,691	475,294
MB0600000, Stockpile Sustainment	155,954	155,954	170,982
Stockpile Sustainment	155,954	155,954	170,982
Weapons Dismantlement and Disposition	350	350	200
Production Operations	126,419	126,419	175,915
Nuclear Enterprise Assurance	8,173	8,173	10,500
Stockpile Management	777,587	777,587	832,892
Enterprise Pit Production Support (formerly Enterprise Plutonium Support)	9,500	9,500	12,591
Plutonium Modernization	9,500	9,500	12,591
Primary Capability Modernization	9,500	9,500	12,591
Secondary Capability Modernization (SCM)	1,000	1,000	500
Secondary Capability Modernization	1,000	1,000	500
Non-Nuclear Capability Modernization	44,285	44,285	54,500
Total, Non-Nuclear Capability Modernization	44,285	44,285	54,500
Capability Based Investments	6,062	6,062	8,000
Production Modernization	60,847	60,847	75,591
Archiving and Support	316	342	450
Studies and Assessments	100	63	1,500
Aging and Lifetimes	4,852	3,929	2,358
Stockpile Responsiveness	4,638	4,542	5,599
Advanced Certification and Qualification	2,652	3,311	3,802
Engineering and Integrated Assessments	12,558	12,187	13,709
Weapon Technology Development	26,977	34,669	29,578
Weapons Technology and Manufacturing Maturation	26,977	34,669	29,578
Advanced Simulation and Computing	3,500	5,000	5,000
Advanced Simulation & Computing	3,500	5,000	5,000
Stockpile Research, Technology, and Engineering	43,035	51,856	48,287
Operations of Facilities	90,000	81,000	109,000
Safety and Environmental Operations	3,463	3,463	3,430
Maintenance and Repair of Facilities	22,000	22,000	38,000
Recapitalization (formerly Infrastructure and Safety)	65,460	42,629	53,817
Operating	180,923	149,092	204,247
Infrastructure and Operations	180,923	149,092	204,247
STA Operations and Equipment	51,216	51,216	48,588
Secure Transportation Asset	51,216	51,216	48,588
Operations and Maintenance - DNS	22,080	22,080	36,478
Defense Nuclear Security (DNS)	22,080	22,080	36,478
Information Technology and Cyber Security	17,821	25,569	18,471
Subtotal, Weapons Activities	1,153,509	1,138,247	1,264,554
Plutonium Disposition	6,750	6,750	31,850
Material Management and Minimization	6,750	6,750	31,850
Nonproliferation & Arms Control	3,080	3,100	2,746
Proliferation Detection R&D	850	868	950

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Kansas City National Security Complex (KCNSC) FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Nonproliferation Stewardship Program	1,000	1,338	1,337
Defense Nuclear Nonproliferation R&D	1,850	2,206	2,287
Counterterrorism and Counterproliferation	39,740	28,984	35,148
Nuclear Counterterrorism & Incident Response	39,740	28,984	35,148
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>51,420</b>	<b>41,040</b>	<b>72,031</b>
Environment, Health, Safety & Security	10	10	20
Environment, Health, Safety, and Security	10	10	20
<b>Subtotal, Other Defense Activities</b>	<b>10</b>	<b>10</b>	<b>20</b>
<b>Total Kansas City National Security Complex (KCNSC)</b>	<b>1,204,939</b>	<b>1,179,297</b>	<b>1,336,605</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Kansas City Site Office FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Kansas City Site Office</b>			
Program Direction - National Nuclear Security Administration	8,274	8,687	9,809
Subtotal, Federal Salaries and Expenses	8,274	8,687	9,809
<b>Total Kansas City Site Office</b>	<b>8,274</b>	<b>8,687</b>	<b>9,809</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Knolls Atomic Power Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Knolls Atomic Power Laboratory</b>			
Naval Reactors Development	276,060	276,060	340,756
Columbia-Class Reactor Systems Development	43,720	43,720	42,495
S8G Prototype Refueling	20,000	20,000	0
Naval Reactors Operations and Infrastructure	294,242	294,242	330,489
22-D-532 KL Security Upgrades	0	0	41,670
Construction - Naval Reactors	0	0	41,670
Subtotal, Naval Reactors	634,022	634,022	755,410
<b>Total Knolls Atomic Power Laboratory</b>	<b>634,022</b>	<b>634,022</b>	<b>755,410</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Lawrence Berkeley National Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Lawrence Berkeley National Laboratory</b>			
Information Technology and Cyber Security	0	2,000	2,658
<b>Subtotal, Weapons Activities</b>	<b>0</b>	<b>2,000</b>	<b>2,658</b>
Nonproliferation & Arms Control	1,824	1,700	1,612
Proliferation Detection R&D	15,669	15,615	17,087
Forensics R&D	245	120	102
Nonproliferation Stewardship Program	2,700	0	0
Defense Nuclear Nonproliferation R&D	18,614	15,735	17,189
NNSA Bioassurance Program	500	500	0
Emergency Management (formerly Emergency Operations)	450	240	375
Counterterrorism and Counterproliferation	90	285	2,102
<b>Nuclear Counterterrorism &amp; Incident Response</b>	<b>540</b>	<b>525</b>	<b>2,477</b>
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>21,478</b>	<b>18,460</b>	<b>21,278</b>
Research - Advanced Scientific Computing Research	218,226	242,352	257,992
24-SC-20, High Performance Data Facility	0	0	5,000
Advanced Scientific Computing Research	218,226	242,352	262,992
Research - Basic Energy Sciences	175,121	200,400	227,205
18-SC-12, Advanced Light Source Upgrade (ALS-U), LBNL	135,000	57,300	0
Construction - Basic Energy Sciences	135,000	57,300	0
Basic Energy Sciences	310,121	257,700	227,205
Research - Biological & Environmental Research	168,612	182,724	189,827
Biological and Environmental Research	168,612	182,724	189,827
Research - Fusion Energy Sciences	1,750	1,750	1,386
Fusion Energy Sciences	1,750	1,750	1,386
Research - High Energy Physics	60,023	60,912	49,990
High Energy Physics	60,023	60,912	49,990
Operations and Maintenance - Nuclear Physics	38,315	21,084	24,227
Nuclear Physics	38,315	21,084	24,227
Research - Accelerator R&D and Production	430	0	2,092
Accelerator R&D and Production	430	0	2,092
Facilities and Infrastructure (SLI)	5,500	6,000	0
20-SC-72, Seismic and Safety Modernization, LBNL	27,500	35,000	18,000
20-SC-78, Linear Assets Modernization Project, LBNL (20-SC-80)	23,425	18,900	30,000
19-SC-74, Biological & Environmental Program Integration Center (BioEPIC), LBNL	45,000	38,000	0
Construction - Science Laboratories Infrastructure	95,925	91,900	48,000
Science Laboratories Infrastructure	101,425	97,900	48,000
<b>Safeguards and Security - SC</b>	<b>13,950</b>	<b>12,505</b>	<b>13,520</b>
<b>Subtotal, Science</b>	<b>912,852</b>	<b>876,927</b>	<b>819,239</b>
Vehicle Technologies	18,200	18,200	20,072
Bioenergy Technologies	6,500	6,500	6,000
Hydrogen and Fuel Cells Technologies	4,800	4,800	4,400
Sustainable Transportation and Fuels	29,500	29,500	30,472
Renewable Energy Integration	4,000	4,000	9,050
Solar Energy Technologies	2,500	2,500	2,500
Wind Energy Technologies	3,010	3,010	3,711
Geothermal Technologies	1,930	1,930	2,000
Renewable Energy	11,440	11,440	17,261
Industrial Efficiency & Decarbonization Office	9,900	9,900	9,500
Advanced Materials & Manufacturing Technologies Office	0	0	1,000

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Lawrence Berkeley National Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Building Technologies	38,800	38,800	41,000
Buildings & Industry (formerly Energy Efficiency)	48,700	48,700	51,500
Strategic Programs	1,890	1,890	1,500
Corporate Support	1,890	1,890	1,500
Subtotal, Energy Efficiency and Renewable Energy	91,530	91,530	100,733
Federal Energy Management Program (FEMP)	2,410	3,728	3,800
Subtotal, Federal Energy Management Program (FEMP)	2,410	3,728	3,800
Facility and Workforce Assistance (MESC)	775	500	500
Subtotal, Manufacturing & Energy Supply Chains (MESC)	775	500	500
Training and Technical Assistance (SCEP)	80	100	100
State Energy Program Grants (SCEP)	300	400	600
Subtotal, State and Community Programs (SCEP)	380	500	700
Transmission Reliability and Resilience	1,250	0	1,400
Resilient Distribution Systems	2,230	0	2,700
Grid Controls and Communications	3,480	0	4,100
Applied Grid Transformation Solutions	800	0	1,000
Grid Hardware, Components, and Systems	800	0	1,000
Grid Technical Assistance	500	500	0
Subtotal, Grid Deployment Office (OE)	500	500	0
Subtotal, Electricity	4,780	500	5,100
Transmission Planning & Permitting (GDO)	0	0	280
Subtotal, Grid Deployment Office	0	0	280
Risk Management Technology and Tools (270)	3,000	3,000	2,556
Policy, Preparedness, and Risk Analysis (270)	158	158	168
Subtotal, Cybersecurity, Energy Security, and Emergency Response	3,158	3,158	2,724
Hydrogen with Carbon Management	958	958	857
Carbon Dioxide Removal	3,022	3,022	3,894
Carbon Utilization	579	579	0
Carbon Dioxide Conversion	0	0	695
Carbon Capture	948	948	0
Point-Source Carbon Capture	0	0	675
Carbon Management Technologies	5,507	5,507	6,121
Advanced Remediation Technologies	503	503	137
Methane Mitigation Technologies	1,030	1,030	1,301
Natural Gas Decarbonization and Hydrogen Technologies	110	110	103
Mineral Sustainability	1,949	1,949	2,823
Resource Sustainability	3,592	3,592	4,364
Subtotal, Fossil Energy and Carbon Management	9,099	9,099	10,485
Used Nuclear Fuel Disposition R&D	3,806	3,968	3,806
Fuel Cycle Research & Development	3,806	3,968	3,806
Joint Modeling and Simulation Program	150	150	150
Nuclear Energy Enabling Technologies	150	150	150
Subtotal, Nuclear Energy	3,956	4,118	3,956
Environment, Health, Safety & Security	50	50	60
Environment, Health, Safety, and Security	50	50	60
Subtotal, Other Defense Activities	50	50	60
Small Sites - NDEC	15,000	15,000	0
Subtotal, Non-Defense Environmental Cleanup	15,000	15,000	0
<b>Total Lawrence Berkeley National Laboratory</b>	<b>1,065,468</b>	<b>1,025,570</b>	<b>971,513</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Lawrence Livermore National Laboratory FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Lawrence Livermore National Laboratory</b>			
W80-4 LEP	173,050	173,050	125,901
W87-1 Modification Program	151,000	151,000	245,495
W93 Program	2,957	2,957	2,000
Stockpile Major Modernization	327,007	327,007	373,396
MB0600000, Stockpile Sustainment	96,772	96,772	107,192
Stockpile Sustainment	96,772	96,772	107,192
Weapons Dismantlement and Disposition	2,000	2,000	2,800
Production Operations	5,748	5,748	11,000
Nuclear Enterprise Assurance	5,634	5,634	10,000
Stockpile Management	437,161	437,161	504,388
Enterprise Pit Production Support (formerly Enterprise Plutonium Support)	56,260	56,260	82,851
Plutonium Modernization	56,260	56,260	82,851
High Explosives & Energetics	16,500	16,500	14,500
HE & Energetics	16,500	16,500	14,500
Primary Capability Modernization	72,760	72,760	97,351
Secondary Capability Modernization (SCM)	16,200	16,200	16,065
Secondary Capability Modernization	16,200	16,200	16,065
Tritium & Domestic Uranium Enrichment	0	100	0
Tritium and Domestic Uranium Enrichment	0	100	0
Non-Nuclear Capability Modernization	547	547	660
Total, Non-Nuclear Capability Modernization	547	547	660
Capability Based Investments	35,044	35,044	30,000
Production Modernization	124,551	124,651	144,076
Primary Assessment Technologies	52,411	50,113	60,643
Dynamic Materials Properties	44,764	45,348	43,677
Advanced Diagnostics	9,540	9,876	9,540
Secondary Assessment Technologies	33,811	33,073	24,500
Enhanced Capabilities for Subcritical Experiments	107,542	117,219	92,700
Hydrodynamic and Subcritical Experiment Execution Support	27,598	26,161	32,000
Assessment Science	275,666	281,790	263,060
Archiving and Support	13,215	11,398	10,450
Delivery Environments	27,407	25,872	26,932
Studies and Assessments	1,750	1,564	16,000
Aging and Lifetimes	17,300	19,794	12,915
Stockpile Responsiveness	16,036	15,822	17,402
Advanced Certification and Qualification	17,375	16,655	16,690
Engineering and Integrated Assessments	93,083	91,105	100,389
DP2000000, Inertial Confinement Fusion	380,000	384,050	419,765
Inertial Confinement Fusion	380,000	384,050	419,765
Weapon Technology Development	34,777	37,993	65,243
Weapons Technology and Manufacturing Maturation	34,777	37,993	65,243
Advanced Simulation and Computing	196,066	210,162	221,563
Advanced Simulation & Computing	196,066	210,162	221,563
Stockpile Research, Technology, and Engineering	979,592	1,005,100	1,070,020
Operations of Facilities	82,000	80,000	100,000
Safety and Environmental Operations	37,444	37,444	35,170
Maintenance and Repair of Facilities	37,000	35,000	44,000
Recapitalization (formerly Infrastructure and Safety)	81,175	49,275	59,245

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Lawrence Livermore National Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Operating	237,619	201,719	238,415
22-D-514 Digital Infrastructure Capability Expansion, LLNL	67,300	67,300	0
Mission Enabling Construction	67,300	67,300	0
I&O - Construction	67,300	67,300	0
Infrastructure and Operations	304,919	269,019	238,415
Operations and Maintenance - DNS	79,436	79,436	85,179
Defense Nuclear Security (DNS)	79,436	79,436	85,179
Information Technology and Cyber Security	47,196	71,310	84,589
<b>Subtotal, Weapons Activities</b>	<b>1,972,855</b>	<b>1,986,677</b>	<b>2,126,667</b>
Reactor Conversion and Uranium Supply	0	0	200
Nuclear Material Removal and Elimination	6	6	0
Plutonium Disposition	100	100	104
Material Management and Minimization	106	106	304
International Nuclear Security	2,832	8,704	8,704
Radiological Security	8,706	7,998	7,998
Nuclear Smuggling Detection and Deterrence	5,139	2,041	2,163
Global Material Security	16,677	18,743	18,865
Nonproliferation & Arms Control	38,357	38,500	36,906
Proliferation Detection R&D	38,828	39,524	43,250
Nuclear Detonation Detection	21,787	30,957	35,820
Forensics R&D	10,069	10,030	8,527
Nonproliferation Stewardship Program	15,925	22,455	22,433
Defense Nuclear Nonproliferation R&D	86,609	102,966	110,030
NNSA Bioassurance Program	6,500	6,500	0
Counterterrorism and Counterproliferation	102,086	109,110	98,597
Nuclear Counterterrorism & Incident Response	102,086	109,110	98,597
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>250,335</b>	<b>275,925</b>	<b>264,702</b>
Program Direction - National Nuclear Security Administration	1,100	1,100	1,100
<b>Subtotal, Federal Salaries and Expenses</b>	<b>1,100</b>	<b>1,100</b>	<b>1,100</b>
Research - Advanced Scientific Computing Research	6,722	3,047	3,047
Advanced Scientific Computing Research	6,722	3,047	3,047
Research - Basic Energy Sciences	1,252	712	712
Basic Energy Sciences	1,252	712	712
Research - Biological & Environmental Research	32,467	28,293	27,739
Biological and Environmental Research	32,467	28,293	27,739
Research - Fusion Energy Sciences	8,643	9,377	13,900
Fusion Energy Sciences	8,643	9,377	13,900
Research - High Energy Physics	2,425	2,146	1,382
High Energy Physics	2,425	2,146	1,382
Operations and Maintenance - Nuclear Physics	2,062	2,062	1,946
Nuclear Physics	2,062	2,062	1,946
Research - Accelerator R&D and Production	93	0	645
Accelerator R&D and Production	93	0	645
<b>Subtotal, Science</b>	<b>53,664</b>	<b>45,637</b>	<b>49,371</b>
Vehicle Technologies	2,600	2,600	2,867
Bioenergy Technologies	725	725	725
Hydrogen and Fuel Cells Technologies	2,000	2,000	1,300
Sustainable Transportation and Fuels	5,325	5,325	4,892
Solar Energy Technologies	1,000	1,000	1,000
Wind Energy Technologies	1,619	1,619	1,763

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Lawrence Livermore National Laboratory FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Geothermal Technologies	30	30	30
Renewable Energy	2,649	2,649	2,793
Industrial Efficiency & Decarbonization Office	5,000	5,000	5,000
Advanced Materials & Manufacturing Technologies Office	0	0	5,000
Building Technologies	0	0	150
Buildings & Industry (formerly Energy Efficiency)	5,000	5,000	10,150
<b>Subtotal, Energy Efficiency and Renewable Energy</b>	<b>12,974</b>	<b>12,974</b>	<b>17,835</b>
Transmission Reliability and Resilience	2,204	0	2,490
Energy Delivery Grid Operations Technology	7,771	0	7,770
Resilient Distribution Systems	668	0	850
Cyber Resilient & Secure Utility Communications Network (SecureNet)	0	0	500
Grid Controls and Communications	10,643	0	11,610
Energy Storage R&D	762	0	800
Energy Storage	762	0	800
Grid Hardware, Components, and Systems	762	0	800
Grid Technical Assistance	200	200	0
<b>Subtotal, Grid Deployment Office (OE)</b>	<b>200</b>	<b>200</b>	<b>0</b>
<b>Subtotal, Electricity</b>	<b>11,605</b>	<b>200</b>	<b>12,410</b>
Transmission Planning & Permitting (GDO)	0	0	112
<b>Subtotal, Grid Deployment Office</b>	<b>0</b>	<b>0</b>	<b>112</b>
Risk Management Technology and Tools (270)	3,200	3,200	2,726
Response and Restoration (270)	4,500	4,500	6,457
Policy, Preparedness, and Risk Analysis (270)	4,415	4,415	4,685
<b>Subtotal, Cybersecurity, Energy Security, and Emergency Response</b>	<b>12,115</b>	<b>12,115</b>	<b>13,868</b>
Carbon Transport and Storage	1,021	1,021	903
Carbon Dioxide Removal	6,993	6,993	9,011
Carbon Capture	3,649	3,649	0
Point-Source Carbon Capture	0	0	2,601
Carbon Management Technologies	11,663	11,663	12,515
Methane Mitigation Technologies	1,030	1,030	1,301
Natural Gas Decarbonization and Hydrogen Technologies	234	234	219
Resource Sustainability	1,264	1,264	1,520
<b>Subtotal, Fossil Energy and Carbon Management</b>	<b>12,927</b>	<b>12,927</b>	<b>14,035</b>
Used Nuclear Fuel Disposition R&D	328	359	328
Fuel Cycle Research & Development	328	359	328
<b>Subtotal, Nuclear Energy</b>	<b>328</b>	<b>359</b>	<b>328</b>
Environment, Health, Safety & Security	3,050	3,050	3,050
Environment, Health, Safety, and Security	3,050	3,050	3,050
<b>Subtotal, Other Defense Activities</b>	<b>3,050</b>	<b>3,050</b>	<b>3,050</b>
Lawrence Livermore National Laboratory (LLNL)	1,842	1,842	1,917
LLNL Excess Facilities D&D	35,000	35,000	0
NNSA Sites and Nevada Off-Sites	36,842	36,842	1,917
<b>Subtotal, Defense Environmental Cleanup</b>	<b>36,842</b>	<b>36,842</b>	<b>1,917</b>
<b>Total Lawrence Livermore National Laboratory</b>	<b>2,367,795</b>	<b>2,387,806</b>	<b>2,505,395</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Lexington Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Lexington Office</b>			
Environment, Health, Safety & Security	200	200	200
Environment, Health, Safety, and Security	200	200	200
Subtotal, Other Defense Activities	200	200	200
<b>Total Lexington Office</b>	<b>200</b>	<b>200</b>	<b>200</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Livermore Site Office FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Livermore Site Office</b>			
Recapitalization (formerly Infrastructure and Safety)	17,850	0	14,130
Operating	17,850	0	14,130
Infrastructure and Operations	17,850	0	14,130
Information Technology and Cyber Security	0	0	351
Subtotal, Weapons Activities	17,850	0	14,481
Program Direction - National Nuclear Security Administration	16,421	17,995	18,792
Subtotal, Federal Salaries and Expenses	16,421	17,995	18,792
<b>Total Livermore Site Office</b>	<b>34,271</b>	<b>17,995</b>	<b>33,273</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Los Alamos National Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Los Alamos National Laboratory</b>			
B61-12 LEP	37,009	37,009	0
W88 ALT 370	11,418	11,418	4,326
W80-4 LEP	57,572	57,572	88,218
W87-1 Modification Program	15,000	15,000	26,027
W93 Program	89,900	89,900	197,185
Stockpile Major Modernization	210,899	210,899	315,756
MB0600000, Stockpile Sustainment	268,753	268,753	288,983
Stockpile Sustainment	268,753	268,753	288,983
Weapons Dismantlement and Disposition	2,000	2,000	2,800
Production Operations	48,457	48,457	73,205
Nuclear Enterprise Assurance	5,236	5,236	8,500
Stockpile Management	535,345	535,345	689,244
Los Alamos Pit Production (formerly Los Alamos Plutonium Operations)	750,871	750,871	954,382
21-D-512, Plutonium Pit Production Project, LANL	588,234	588,234	470,000
15-D-302, TA-55 Reinvestments Project, Phase 3, LANL	30,002	30,002	39,475
07-D-220-04, Transuranic Liquid Waste Facility, LANL	24,759	24,759	0
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL	133,123	133,123	0
Los Alamos Plutonium Modernization	1,526,989	1,526,989	1,463,857
Plutonium Modernization	1,526,989	1,526,989	1,463,857
High Explosives & Energetics	15,000	15,000	15,500
23-D-516 Energetic Materials Characterization Facility, LANL	19,000	19,000	0
HE & Energetics	34,000	34,000	15,500
Primary Capability Modernization	1,560,989	1,560,989	1,479,357
Secondary Capability Modernization (SCM)	25,939	25,939	49,043
Secondary Capability Modernization	25,939	25,939	49,043
Tritium & Domestic Uranium Enrichment	2,041	2,000	2,141
Tritium and Domestic Uranium Enrichment	2,041	2,000	2,141
Non-Nuclear Capability Modernization	945	945	1,150
Total, Non-Nuclear Capability Modernization	945	945	1,150
Capability Based Investments	11,700	11,700	19,000
Production Modernization	1,601,614	1,601,573	1,550,691
Primary Assessment Technologies	84,893	87,386	105,188
Dynamic Materials Properties	36,760	38,422	42,453
Advanced Diagnostics	5,600	5,240	5,700
Secondary Assessment Technologies	28,003	27,583	24,547
Enhanced Capabilities for Subcritical Experiments	75,600	81,710	90,627
Hydrodynamic and Subcritical Experiment Execution Support	62,876	63,055	76,000
Assessment Science	293,732	303,396	344,515
Archiving and Support	17,004	17,598	17,736
Delivery Environments	24,500	25,872	24,906
Studies and Assessments	250	1,251	12,250
Aging and Lifetimes	22,288	23,754	16,400
Stockpile Responsiveness	18,750	15,822	18,346
Advanced Certification and Qualification	20,578	19,799	18,355
Engineering and Integrated Assessments	103,370	104,096	107,993
DP2000000, Inertial Confinement Fusion	25,000	24,641	24,894
Inertial Confinement Fusion	25,000	24,641	24,894
Weapon Technology Development	67,618	57,769	65,925
Weapons Technology and Manufacturing Maturation	67,618	57,769	65,925
Advanced Simulation and Computing	187,675	194,016	208,619
Advanced Simulation & Computing	187,675	194,016	208,619



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Los Alamos National Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Stockpile Research, Technology, and Engineering	677,395	683,918	751,946
Operations of Facilities	320,000	325,000	455,000
Safety and Environmental Operations	23,215	23,215	19,946
Maintenance and Repair of Facilities	145,000	151,000	212,000
Recapitalization (formerly Infrastructure and Safety)	91,354	47,597	39,780
Operating	579,569	546,812	726,726
25-D-510 Plutonium Mission Safety & Quality Building, LANL	0	0	48,500
23-D-518 Plutonium Modernization Operations & Waste Management Office Bldg, LANL	48,500	48,500	0
23-D-517 Electrical Power Capacity Upgrade, LANL	24,000	24,000	70,000
Mission Enabling Construction	72,500	72,500	118,500
I&O - Construction	72,500	72,500	118,500
Infrastructure and Operations	652,069	619,312	845,226
Operations and Maintenance - DNS	134,945	134,945	155,305
Defense Nuclear Security (DNS)	134,945	134,945	155,305
Information Technology and Cyber Security	25,183	28,054	35,946
<b>Subtotal, Weapons Activities</b>	<b>3,626,551</b>	<b>3,603,147</b>	<b>4,028,358</b>
Reactor Conversion and Uranium Supply	1,405	1,405	470
Nuclear Material Removal and Elimination	460	460	200
Plutonium Disposition	66,475	66,475	74,488
Material Management and Minimization	68,340	68,340	75,158
International Nuclear Security	709	3,668	3,668
Radiological Security	23,516	23,848	23,848
Nuclear Smuggling Detection and Deterrence	10,244	6,122	6,490
Global Material Security	34,469	33,638	34,006
Nonproliferation & Arms Control	45,207	45,000	48,554
Proliferation Detection R&D	42,561	39,234	42,932
Nuclear Detonation Detection	97,772	108,424	125,453
Forensics R&D	10,911	10,425	8,863
Nonproliferation Stewardship Program	5,210	3,746	3,743
Defense Nuclear Nonproliferation R&D	156,454	161,829	180,991
NNSA Bioassurance Program	6,195	6,195	0
Counterterrorism and Counterproliferation	85,554	81,086	89,500
Nuclear Counterterrorism & Incident Response	85,554	81,086	89,500
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>396,219</b>	<b>396,088</b>	<b>428,209</b>
Research - Advanced Scientific Computing Research	1,782	3,263	3,263
Advanced Scientific Computing Research	1,782	3,263	3,263
Research - Basic Energy Sciences	25,576	25,477	26,558
Basic Energy Sciences	25,576	25,477	26,558
Research - Biological & Environmental Research	33,365	38,459	40,808
Biological and Environmental Research	33,365	38,459	40,808
Research - Fusion Energy Sciences	483	1,750	2,900
Fusion Energy Sciences	483	1,750	2,900
Research - High Energy Physics	2,075	1,990	1,730
High Energy Physics	2,075	1,990	1,730
Operations and Maintenance - Nuclear Physics	9,688	9,688	10,443
Nuclear Physics	9,688	9,688	10,443
Research - Accelerator R&D and Production	0	0	613
Accelerator R&D and Production	0	0	613
<b>Subtotal, Science</b>	<b>72,969</b>	<b>80,627</b>	<b>86,315</b>
Bioenergy Technologies	3,000	3,000	2,500
Hydrogen and Fuel Cells Technologies	5,000	5,000	3,100
Sustainable Transportation and Fuels	8,000	8,000	5,600

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Los Alamos National Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Renewable Energy Integration	50	50	80
Wind Energy Technologies	117	117	126
Geothermal Technologies	30	30	30
<b>Renewable Energy</b>	<b>197</b>	<b>197</b>	<b>236</b>
<b>Subtotal, Energy Efficiency and Renewable Energy</b>	<b>8,197</b>	<b>8,197</b>	<b>5,836</b>
Transmission Reliability and Resilience	2,125	0	2,400
Energy Delivery Grid Operations Technology	2,289	0	2,290
Resilient Distribution Systems	1,200	0	1,500
Grid Controls and Communications	5,614	0	6,190
Energy Storage R&D	100	0	100
Energy Storage	100	0	100
Grid Hardware, Components, and Systems	100	0	100
<b>Subtotal, Electricity</b>	<b>5,714</b>	<b>0</b>	<b>6,290</b>
<b>Risk Management Technology and Tools (270)</b>	<b>175</b>	<b>175</b>	<b>149</b>
<b>Subtotal, Cybersecurity, Energy Security, and Emergency Response</b>	<b>175</b>	<b>175</b>	<b>149</b>
Hydrogen with Carbon Management	707	707	633
Carbon Transport and Storage	1,249	1,249	1,103
Carbon Utilization	421	421	0
Carbon Dioxide Conversion	0	0	506
Carbon Capture	1,122	1,122	0
Point-Source Carbon Capture	0	0	800
Carbon Management Technologies	3,499	3,499	3,042
Advanced Remediation Technologies	74	74	20
Methane Mitigation Technologies	1,030	1,030	1,301
Mineral Sustainability	1,867	1,867	2,704
Resource Sustainability	2,971	2,971	4,025
Energy Asset Transformation (formerly Repurposing Fossil Energy Assets)	967	967	967
<b>NETL Research and Operations - Fossil Energy</b>	<b>455</b>	<b>455</b>	<b>497</b>
<b>Subtotal, Fossil Energy and Carbon Management</b>	<b>7,892</b>	<b>7,892</b>	<b>8,531</b>
NEUP, SBIR/STTR, and TCF	849	0	0
Directed R&D and University Programs	849	0	0
Advanced Reactor Technologies	1,600	1,000	1,600
Reactor Concepts RD&D	1,600	1,000	1,600
Materials Recovery and Waste Form Development	250	250	216
Accident Tolerant Fuels	5,275	5,275	4,526
Fuel Cycle Laboratory R&D	2,848	2,848	1,473
Used Nuclear Fuel Disposition R&D	3,047	2,970	5,000
Next Generation Fuels	0	0	1,406
Fuel Cycle Research & Development	11,420	11,343	12,621
Crosscutting Technology Development	750	650	0
Joint Modeling and Simulation Program	3,915	3,711	3,800
Advanced Materials and Manufacturing Technologies	0	0	1,250
Nuclear Energy Enabling Technologies	4,665	4,361	5,050
Advanced Reactor Safeguards	430	415	961
Advanced Reactors Demonstration Program	430	415	961
<b>Subtotal, Nuclear Energy</b>	<b>18,964</b>	<b>17,119</b>	<b>20,232</b>
Environment, Health, Safety & Security	95	95	95
Environment, Health, Safety, and Security	95	95	95
<b>Subtotal, Other Defense Activities</b>	<b>95</b>	<b>95</b>	<b>95</b>
Los Alamos National Laboratory (LANL)	286,316	286,316	273,610
Los Alamos Excess Facilities D&D	40,519	40,519	1,622
NNSA Sites and Nevada Off-Sites	326,835	326,835	275,232

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Los Alamos National Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Safeguards and Security - Defense Environmental Cleanup	5,000	5,000	5,705
Subtotal, Defense Environmental Cleanup	331,835	331,835	280,937
<b>Total Los Alamos National Laboratory</b>	<b>4,468,611</b>	<b>4,445,175</b>	<b>4,864,952</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Los Alamos Site Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Los Alamos Site Office</b>			
Information Technology and Cyber Security	32	27	25
Subtotal, Weapons Activities	32	27	25
Program Direction - National Nuclear Security Administration	21,637	21,654	23,320
Subtotal, Federal Salaries and Expenses	21,637	21,654	23,320
<b>Total Los Alamos Site Office</b>	<b>21,669</b>	<b>21,681</b>	<b>23,345</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Miamisburg Site FY 2025  
 (Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Miamisburg Site</b>			
Environment, Health, Safety & Security	5	5	15
Environment, Health, Safety, and Security	5	5	15
Subtotal, Other Defense Activities	5	5	15
<b>Total Miamisburg Site</b>	<b>5</b>	<b>5</b>	<b>15</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Moab Site FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Moab Site</b>			
Small Sites - NDEC	67,000	67,000	64,200
Subtotal, Non-Defense Environmental Cleanup	67,000	67,000	64,200
<b>Total Moab Site</b>	<b>67,000</b>	<b>67,000</b>	<b>64,200</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Mound Site FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Mound Site</b>			
Legacy Management Activities - Defense	12,083	12,083	10,274
Legacy Management	12,083	12,083	10,274
Subtotal, Other Defense Activities	12,083	12,083	10,274
<b>Total Mound Site</b>	<b>12,083</b>	<b>12,083</b>	<b>10,274</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
National Energy Technology Lab FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>National Energy Technology Lab</b>			
Enterprise Pit Production Support (formerly Enterprise Plutonium Support)	5,500	5,500	5,500
Plutonium Modernization	5,500	5,500	5,500
Primary Capability Modernization	5,500	5,500	5,500
Tritium & Domestic Uranium Enrichment	4,159	3,630	3,597
Tritium and Domestic Uranium Enrichment	4,159	3,630	3,597
Non-Nuclear Capability Modernization	6,028	6,028	5,930
Total, Non-Nuclear Capability Modernization	6,028	6,028	5,930
Capability Based Investments	1,135	1,135	0
Production Modernization	16,822	16,293	15,027
Hydrodynamic and Subcritical Experiment Execution Support	0	196	0
Assessment Science	0	196	0
Archiving and Support	350	350	346
Delivery Environments	1,035	936	1,022
Studies and Assessments	0	40	646
Aging and Lifetimes	350	285	346
Stockpile Responsiveness	412	305	408
Advanced Certification and Qualification	412	328	408
Engineering and Integrated Assessments	2,559	2,244	3,176
Weapon Technology Development	2,090	2,255	2,303
Weapons Technology and Manufacturing Maturation	2,090	2,255	2,303
Stockpile Research, Technology, and Engineering	4,649	4,695	5,479
Safety and Environmental Operations	330	330	0
Operating	330	330	0
Infrastructure and Operations	330	330	0
<b>Subtotal, Weapons Activities</b>	<b>21,801</b>	<b>21,318</b>	<b>20,506</b>
Plutonium Disposition	1,150	1,150	1,270
Material Management and Minimization	1,150	1,150	1,270
International Nuclear Security	300	0	0
Radiological Security	0	403	403
Global Material Security	300	403	403
Proliferation Detection R&D	850	155	170
Defense Nuclear Nonproliferation R&D	850	155	170
Counterterrorism and Counterproliferation	555	0	0
Nuclear Counterterrorism & Incident Response	555	0	0
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>2,855</b>	<b>1,708</b>	<b>1,843</b>
Program Direction - National Nuclear Security Administration	225	250	250
<b>Subtotal, Federal Salaries and Expenses</b>	<b>225</b>	<b>250</b>	<b>250</b>
Vehicle Technologies	213,300	213,300	235,235
Bioenergy Technologies	550	550	250
Hydrogen and Fuel Cells Technologies	16,100	16,100	20,000
Sustainable Transportation and Fuels	229,950	229,950	255,485
Renewable Energy Integration	1,450	1,450	0
Geothermal Technologies	20,928	20,928	27,500
Renewable Energy	22,378	22,378	27,500
Program Direction - Energy Efficiency and Renewable Energy	19,917	19,917	20,857
Total Program Direction (EERE)	19,917	19,917	20,857
Corporate Support	19,917	19,917	20,857
<b>Subtotal, Energy Efficiency and Renewable Energy</b>	<b>272,245</b>	<b>272,245</b>	<b>303,842</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
National Energy Technology Lab FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
IWG (SCEP)	0	0	7,000
Subtotal, State and Community Programs (SCEP)	0	0	7,000
Energy Delivery Grid Operations Technology	208	0	0
Grid Controls and Communications	208	0	0
Grid Technical Assistance	5,000	5,000	0
Subtotal, Grid Deployment Office (OE)	5,000	5,000	0
Program Direction - OE	0	3,135	3,269
Program Direction - GDO	625	625	0
Total Program Direction (OE)	625	3,760	3,269
Subtotal, Electricity	5,833	8,760	3,269
Transmission Planning & Permitting (GDO)	0	0	2,800
Wholesale Electricity Market Technical Assistance and Grants (GDO)	750	750	0
Distribution & Markets (GDO)	0	0	1,470
Microgrid Generation & Design Deployment (GDO)	0	0	25,000
Program Direction GDO	0	0	653
Subtotal, Grid Deployment Office	750	750	29,923
Risk Management Technology and Tools (270)	49,000	49,000	41,748
Policy, Preparedness, and Risk Analysis (270)	4,082	4,082	4,332
Program Direction - CESER (270)	3,659	3,800	3,951
Subtotal, Cybersecurity, Energy Security, and Emergency Response	56,741	56,882	50,031
Strategic Petroleum Reserve (SPR)	300	300	300
Subtotal, Strategic Petroleum Reserve	300	300	300
Subtotal, Petroleum Reserves	300	300	300
Hydrogen with Carbon Management	78,495	78,495	70,234
Carbon Transport and Storage	104,047	104,047	91,940
Carbon Dioxide Removal	18,118	18,118	23,348
Carbon Utilization	6,008	6,008	0
Carbon Dioxide Conversion	0	0	7,210
Carbon Capture	117,278	117,278	0
Point-Source Carbon Capture	0	0	83,571
Carbon Management Technologies	323,946	323,946	276,303
Advanced Remediation Technologies	50,646	50,646	13,813
Methane Mitigation Technologies	52,150	52,150	65,884
Natural Gas Decarbonization and Hydrogen Technologies	23,760	23,760	22,299
Mineral Sustainability	34,246	34,246	49,593
Resource Sustainability	160,802	160,802	151,589
Energy Asset Transformation (formerly Repurposing Fossil Energy Assets)	996	996	996
University Training and Research (previous 2 controls)	11,940	11,940	17,450
Program Direction - Fossil Energy	28,560	28,560	39,576
NETL Infrastructure - Fossil Energy	49,319	49,319	45,732
NETL Research and Operations - Fossil Energy	83,826	83,826	91,534
NETL Interagency Working Group	2,974	2,974	0
Subtotal, Fossil Energy and Carbon Management	662,363	662,363	623,180
Crosscutting Technology Development	87	0	0
Nuclear Energy Enabling Technologies	87	0	0
Subtotal, Nuclear Energy	87	0	0
Strategic Partnership Projects	150	100	150
Subtotal, Departmental Administration (Gross)	150	100	150
Subtotal, Departmental Administration	150	100	150
Legacy Management Activities - Defense	1,976	1,976	1,991

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
National Energy Technology Lab FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Legacy Management	1,976	1,976	1,991
Subtotal, Other Defense Activities	1,976	1,976	1,991
Loan Guarantee Program	322	1,000	1,000
Subtotal, Title XVII Loan Guarantee	322	1,000	1,000
Total Loan Program Office	322	1,000	1,000
<b>Total National Energy Technology Lab</b>	<b>1,025,648</b>	<b>1,027,652</b>	<b>1,043,285</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
National Renewable Energy Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>National Renewable Energy Laboratory</b>			
Research - Advanced Scientific Computing Research	0	535	535
Advanced Scientific Computing Research	0	535	535
Research - Basic Energy Sciences	9,303	9,303	9,328
Basic Energy Sciences	9,303	9,303	9,328
Research - Biological & Environmental Research	6,805	3,045	2,120
Biological and Environmental Research	6,805	3,045	2,120
<b>Subtotal, Science</b>	<b>16,108</b>	<b>12,883</b>	<b>11,983</b>
Vehicle Technologies	38,000	38,000	41,908
Bioenergy Technologies	46,000	46,000	35,000
Hydrogen and Fuel Cells Technologies	21,500	21,500	15,400
Sustainable Transportation and Fuels	105,500	105,500	92,308
Renewable Energy Integration	30,000	30,000	33,650
Solar Energy Technologies	100,000	100,000	95,000
Wind Energy Technologies	45,688	45,688	58,881
Water Power Technologies	27,509	27,509	27,000
Geothermal Technologies	7,983	7,983	20,000
Renewable Energy	211,180	211,180	234,531
Industrial Efficiency & Decarbonization Office	5,000	5,000	5,000
Advanced Materials & Manufacturing Technologies Office	900	900	5,000
Building Technologies	56,661	56,661	60,000
Buildings & Industry (formerly Energy Efficiency)	62,561	62,561	70,000
Facilities and Infrastructure - NREL	205,000	205,000	205,000
Facilities and Infrastructure	205,000	205,000	205,000
Strategic Programs	9,550	9,550	10,440
Corporate Support	214,550	214,550	215,440
<b>Subtotal, Energy Efficiency and Renewable Energy</b>	<b>593,791</b>	<b>593,791</b>	<b>612,279</b>
Federal Energy Management Program (FEMP)	7,255	9,237	9,250
<b>Subtotal, Federal Energy Management Program (FEMP)</b>	<b>7,255</b>	<b>9,237</b>	<b>9,250</b>
Facility and Workforce Assistance (MESC)	30	432	432
Analysis and Strategic Investment (MESC)	1,600	1,600	4,000
<b>Subtotal, Manufacturing &amp; Energy Supply Chains (MESC)</b>	<b>1,630</b>	<b>2,032</b>	<b>4,432</b>
Training and Technical Assistance (SCEP)	4,185	4,200	4,200
Energy Future Grants (SCEP)	5,000	0	0
State Energy Program Grants (SCEP)	1,460	1,400	1,400
<b>Subtotal, State and Community Programs (SCEP)</b>	<b>10,645</b>	<b>5,600</b>	<b>5,600</b>
Transmission Reliability and Resilience	3,410	0	3,840
Energy Delivery Grid Operations Technology	4,038	0	4,040
Resilient Distribution Systems	9,068	0	11,000
Cyber Resilient & Secure Utility Communications Network (SecureNet)	0	0	1,000
Grid Controls and Communications	16,516	0	19,880
Energy Storage R&D	1,233	0	1,300
Energy Storage	1,233	0	1,300
Transformer Resilience and Advanced Components	250	0	500
Applied Grid Transformation Solutions	239	0	250
Grid Hardware, Components, and Systems	1,722	0	2,050
Grid Planning and Development (formerly, Transmission Permitting & Tech Assist.)	8,500	8,500	0
Grid Technical Assistance	5,000	5,000	0
Interregional and Offshore Transmission Planning	1,910	1,910	0

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
National Renewable Energy Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Subtotal, Grid Deployment Office (OE)	15,410	15,410	0
Subtotal, Electricity	33,648	15,410	21,930
Transmission Planning & Permitting (GDO)	0	0	16,129
Wholesale Electricity Market Technical Assistance and Grants (GDO)	1,395	1,395	0
Distribution & Markets (GDO)	0	0	3,873
Hydropower Incentives (GDO)	0	0	125
Microgrid Generation & Design Deployment (GDO)	0	0	2,500
Subtotal, Grid Deployment Office	1,395	1,395	22,627
Risk Management Technology and Tools (270)	8,740	8,740	7,446
Response and Restoration (270)	350	350	502
Policy, Preparedness, and Risk Analysis (270)	717	717	761
Subtotal, Cybersecurity, Energy Security, and Emergency Response	9,807	9,807	8,710
Hydrogen with Carbon Management	852	852	762
Carbon Dioxide Removal	983	983	1,267
Carbon Utilization	2,937	2,937	0
Carbon Dioxide Conversion	0	0	3,524
Carbon Capture	947	947	0
Point-Source Carbon Capture	0	0	675
Carbon Management Technologies	5,719	5,719	6,228
Natural Gas Decarbonization and Hydrogen Technologies	112	112	105
Resource Sustainability	112	112	105
Subtotal, Fossil Energy and Carbon Management	5,831	5,831	6,333
NEUP, SBIR/STTR, and TCF	750	0	0
Directed R&D and University Programs	750	0	0
Integrated Energy Systems	0	0	350
Reactor Concepts RD&D	0	0	350
Crosscutting Technology Development	44	106	0
Nuclear Energy Enabling Technologies	44	106	0
National Reactor Innovation Center	0	2,000	0
Advanced Reactors Demonstration Program	0	2,000	0
International Nuclear Energy Cooperation	75	75	75
Subtotal, Nuclear Energy	869	2,181	425
Strategic Partnership Projects	500	500	500
Subtotal, Departmental Administration (Gross)	500	500	500
Subtotal, Departmental Administration	500	500	500
Technology Transitions Program Office	5,105	1,880	5,880
Subtotal, Office of Technology Transitions	5,105	1,880	5,880
Loan Guarantee Program	378	1,800	1,980
Subtotal, Title XVII Loan Guarantee	378	1,800	1,980
Advanced Technology Vehicle Manufacturing Loan Program	95	95	97
Subtotal, Advanced Technology Vehicles Manufacturing Loan	95	95	97
Total Loan Program Office	473	1,895	2,077
<b>Total National Renewable Energy Laboratory</b>	<b>687,057</b>	<b>662,442</b>	<b>712,026</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Naval Petroleum Reserve No 1 FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Naval Petroleum Reserve No 1</b>			
Naval Petroleum and Oil Shale Reserve	11,004	11,004	11,010
Subtotal, Naval Petroleum & Oil Shale Reserves	11,004	11,004	11,010
Subtotal, Petroleum Reserves	11,004	11,004	11,010
<b>Total Naval Petroleum Reserve No 1</b>	<b>11,004</b>	<b>11,004</b>	<b>11,010</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Naval Reactors Facility FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Naval Reactors Facility</b>			
Naval Reactors Development	17,455	17,455	19,522
Naval Reactors Operations and Infrastructure	156,930	156,930	230,730
25-D-530 Naval Examination Acquisition Project	0	0	45,000
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	476,798	476,798	292,002
Construction - Naval Reactors	476,798	476,798	337,002
Subtotal, Naval Reactors	651,183	651,183	587,254
<b>Total Naval Reactors Facility</b>	<b>651,183</b>	<b>651,183</b>	<b>587,254</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Naval Reactors Laboratory Field Office FY 2025  
 (Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Naval Reactors Laboratory Field Office</b>			
Program Direction - Naval Reactors	16,791	16,791	18,682
Subtotal, Naval Reactors	16,791	16,791	18,682
<b>Total Naval Reactors Laboratory Field Office</b>	<b>16,791</b>	<b>16,791</b>	<b>18,682</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Naval Research Laboratory FY 2025  
 (Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Naval Research Laboratory</b>			
Dynamic Materials Properties	300	600	0
Advanced Diagnostics	1,600	1,471	1,600
Secondary Assessment Technologies	2,500	2,407	0
Enhanced Capabilities for Subcritical Experiments	400	400	0
Assessment Science	4,800	4,878	1,600
DP2000000, Inertial Confinement Fusion	4,500	2,000	0
Inertial Confinement Fusion	4,500	2,000	0
Stockpile Research, Technology, and Engineering	9,300	6,878	1,600
Subtotal, Weapons Activities	9,300	6,878	1,600
<b>Total Naval Research Laboratory</b>	<b>9,300</b>	<b>6,878</b>	<b>1,600</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Nevada Field Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Nevada Field Office</b>			
Information Technology and Cyber Security	949	1,452	1,532
Subtotal, Weapons Activities	949	1,452	1,532
Nuclear Detonation Detection	300	304	352
Defense Nuclear Nonproliferation R&D	300	304	352
Emergency Management (formerly Emergency Operations)	61	110	110
Counterterrorism and Counterproliferation	72	65	95
Nuclear Counterterrorism & Incident Response	133	175	205
Subtotal, Defense Nuclear Nonproliferation	433	479	557
Program Direction - National Nuclear Security Administration	18,802	18,802	19,609
Subtotal, Federal Salaries and Expenses	18,802	18,802	19,609
Program Direction - Nuclear Energy	1,899	1,899	1,672
Subtotal, Nuclear Energy	1,899	1,899	1,672
Environment, Health, Safety & Security	15	15	25
Environment, Health, Safety, and Security	15	15	25
Subtotal, Other Defense Activities	15	15	25
Program Direction - Defense Environmental Cleanup	2,552	2,552	2,831
Subtotal, Defense Environmental Cleanup	2,552	2,552	2,831
<b>Total Nevada Field Office</b>	<b>24,650</b>	<b>25,199</b>	<b>26,226</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Nevada National Security Site FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Nevada National Security Site</b>			
Enterprise Pit Production Support (formerly Enterprise Plutonium Support)	11,087	11,087	12,385
Plutonium Modernization	11,087	11,087	12,385
High Explosives & Energetics	2,000	2,000	2,280
HE & Energetics	2,000	2,000	2,280
Primary Capability Modernization	13,087	13,087	14,665
Tritium & Domestic Uranium Enrichment	0	163	136
Tritium and Domestic Uranium Enrichment	0	163	136
Non-Nuclear Capability Modernization	50	50	117
Total, Non-Nuclear Capability Modernization	50	50	117
Capability Based Investments	17,300	17,300	15,000
Production Modernization	30,437	30,600	29,918
Primary Assessment Technologies	900	1,443	1,500
Dynamic Materials Properties	7,704	10,000	10,965
Advanced Diagnostics	6,124	5,791	6,124
Enhanced Capabilities for Subcritical Experiments	55,155	35,146	42,430
Hydrodynamic and Subcritical Experiment Execution Support	47,848	50,253	64,500
17-D-640, U1a Complex Enhancements Project, NNSS	48,130	48,130	69,583
Assessment Science	165,861	150,763	195,102
Archiving and Support	3,389	2,943	3,300
Advanced Certification and Qualification	3,841	3,144	3,015
Engineering and Integrated Assessments	7,230	6,087	6,315
DP2000000, Inertial Confinement Fusion	4,661	4,000	4,000
Inertial Confinement Fusion	4,661	4,000	4,000
Weapon Technology Development	1,220	1,023	1,455
Weapons Technology and Manufacturing Maturation	1,220	1,023	1,455
Stockpile Research, Technology, and Engineering	178,972	161,873	206,872
Operations of Facilities	105,000	100,000	117,000
Safety and Environmental Operations	6,504	6,504	6,328
Maintenance and Repair of Facilities	70,000	75,000	100,000
Recapitalization (formerly Infrastructure and Safety)	33,850	44,445	45,675
Operating	215,354	225,949	269,003
25-D-511 PULSE New Access, NNSS	0	0	25,000
Mission Enabling Construction	0	0	25,000
I&O - Construction	0	0	25,000
Infrastructure and Operations	215,354	225,949	294,003
Program Direction - STA - Federal Support	260	260	354
Secure Transportation Asset	260	260	354
Operations and Maintenance - DNS	91,130	91,130	127,355
Defense Nuclear Security (DNS)	91,130	91,130	127,355
Information Technology and Cyber Security	44,195	42,165	57,318
<b>Subtotal, Weapons Activities</b>	<b>560,348</b>	<b>551,977</b>	<b>715,820</b>
Nuclear Material Removal and Elimination	300	300	625
Material Management and Minimization	300	300	625
International Nuclear Security	600	0	0
Global Material Security	600	0	0
Nonproliferation & Arms Control	1,348	1,300	1,248
Proliferation Detection R&D	16,753	17,133	18,749
Nuclear Detonation Detection	27,488	17,416	20,151

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Nevada National Security Site FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Forensics R&D	250	200	170
Nonproliferation Stewardship Program	19,450	29,436	29,406
Defense Nuclear Nonproliferation R&D	63,941	64,185	68,476
Counterterrorism and Counterproliferation	47,681	46,591	56,517
Nuclear Counterterrorism & Incident Response	47,681	46,591	56,517
Subtotal, Defense Nuclear Nonproliferation	113,870	112,376	126,866
Program Direction - National Nuclear Security Administration	3	3	3
Subtotal, Federal Salaries and Expenses	3	3	3
NETL Infrastructure - Fossil Energy	10	10	10
Subtotal, Fossil Energy and Carbon Management	10	10	10
Nevada Site	58,752	58,752	58,181
NNSA Sites and Nevada Off-Sites	58,752	58,752	58,181
Subtotal, Defense Environmental Cleanup	58,752	58,752	58,181
<b>Total Nevada National Security Site</b>	<b>732,983</b>	<b>723,118</b>	<b>900,880</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Nevada Operations Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Nevada Operations Office</b>			
Nevada Site	3,900	3,900	5,196
NNSA Sites and Nevada Off-Sites	3,900	3,900	5,196
Subtotal, Defense Environmental Cleanup	3,900	3,900	5,196
<b>Total Nevada Operations Office</b>	<b>3,900</b>	<b>3,900</b>	<b>5,196</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**NNSA Albuquerque Complex FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>NNSA Albuquerque Complex</b>			
B61-12 LEP	323,481	323,481	27,087
W88 ALT 370	46,503	46,503	10,673
W80-4 LEP	114,451	114,451	67,940
W87-1 Modification Program	23,327	23,327	24,050
W93 Program	73,792	73,792	71,809
Stockpile Major Modernization	581,554	581,554	201,559
MB0600000, Stockpile Sustainment	139,799	139,799	42,722
Stockpile Sustainment	139,799	139,799	42,722
Weapons Dismantlement and Disposition	5,666	5,666	0
Production Operations	22,379	22,379	7,100
Nuclear Enterprise Assurance	13,114	13,114	16,502
Stockpile Management	762,512	762,512	267,883
Los Alamos Pit Production (formerly Los Alamos Plutonium Operations)	6,565	6,565	16,210
Los Alamos Plutonium Modernization	6,565	6,565	16,210
Enterprise Pit Production Support (formerly Enterprise Plutonium Support)	5,489	5,489	6,501
Plutonium Modernization	12,054	12,054	22,711
Primary Capability Modernization	12,054	12,054	22,711
Tritium & Domestic Uranium Enrichment	144,518	157,444	124,198
Tritium and Domestic Uranium Enrichment	144,518	157,444	124,198
Non-Nuclear Capability Modernization	237	237	0
Total, Non-Nuclear Capability Modernization	237	237	0
Capability Based Investments	2,876	2,876	0
Production Modernization	159,685	172,611	146,909
Dynamic Materials Properties	6,500	6,500	6,500
Assessment Science	6,500	6,500	6,500
Archiving and Support	412	1,194	2,000
Delivery Environments	4,263	7,631	6,690
Studies and Assessments	985	381	1,035
Aging and Lifetimes	8,039	3,793	5,192
Stockpile Responsiveness	2,877	907	1,180
Advanced Certification and Qualification	2,321	4,672	6,628
Engineering and Integrated Assessments	18,897	18,578	22,725
DP2000000, Inertial Confinement Fusion	35,000	33,000	33,000
Inertial Confinement Fusion	35,000	33,000	33,000
Weapon Technology Development	9,238	15,266	12,999
Weapons Technology and Manufacturing Maturation	9,238	15,266	12,999
Stockpile Research, Technology, and Engineering	69,635	73,344	75,224
Academic Programs and Community Support, 9003323	111,912	111,912	128,188
Academic Programs and Community Support	111,912	111,912	128,188
Safety and Environmental Operations	0	0	400
Operating	0	0	400
Infrastructure and Operations	0	0	400
STA Operations and Equipment	78,423	78,423	92,156
Secure Transportation Asset	78,423	78,423	92,156
Operations and Maintenance - DNS	11,777	11,777	12,062
Defense Nuclear Security (DNS)	11,777	11,777	12,062
Legacy Contractor Pensions and Settlement Payments (WA)	114,632	114,632	30,634
Subtotal, Weapons Activities	1,308,576	1,325,211	753,456

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**NNSA Albuquerque Complex FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Reactor Conversion and Uranium Supply	118	118	0
Nuclear Material Removal and Elimination	0	0	500
Material Management and Minimization	118	118	500
International Nuclear Security	4,622	1,952	1,952
Radiological Security	39,653	36,388	36,388
Nuclear Smuggling Detection and Deterrence	58,236	81,016	85,875
Global Material Security	102,511	119,356	124,215
Proliferation Detection R&D	15,000	19,557	21,401
Nuclear Detonation Detection	13,350	10,789	12,483
Forensics R&D	5,000	5,000	4,251
Nonproliferation Stewardship Program	12,173	8,493	8,485
Defense Nuclear Nonproliferation R&D	45,523	43,839	46,620
Counterterrorism and Counterproliferation	619	12,555	2,072
Nuclear Counterterrorism & Incident Response	619	12,555	2,072
Legacy Contractor Pensions and Settlement Payments - DNN	55,708	55,708	7,128
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>204,479</b>	<b>231,576</b>	<b>180,535</b>
Program Direction - National Nuclear Security Administration	600	600	600
<b>Subtotal, Federal Salaries and Expenses</b>	<b>600</b>	<b>600</b>	<b>600</b>
Strategic Partnership Projects	4,305	4,487	3,800
<b>Subtotal, Departmental Administration (Gross)</b>	<b>4,305</b>	<b>4,487</b>	<b>3,800</b>
<b>Subtotal, Departmental Administration</b>	<b>4,305</b>	<b>4,487</b>	<b>3,800</b>
Environment, Health, Safety & Security	1,000	1,000	1,200
Environment, Health, Safety, and Security	1,000	1,000	1,200
Enterprise Assessments	300	300	300
Office of Enterprise Assessments	300	300	300
<b>Subtotal, Other Defense Activities</b>	<b>1,300</b>	<b>1,300</b>	<b>1,500</b>
Program Direction - Defense Environmental Cleanup	7,070	7,070	8,996
<b>Subtotal, Defense Environmental Cleanup</b>	<b>7,070</b>	<b>7,070</b>	<b>8,996</b>
<b>Total NNSA Albuquerque Complex</b>	<b>1,526,330</b>	<b>1,570,244</b>	<b>948,887</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**NNSA Production Office (NPO) - TN FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>NNSA Production Office (NPO) - TN</b>			
Reactor Conversion and Uranium Supply	26,341	26,341	0
Material Management and Minimization	26,341	26,341	0
Subtotal, Defense Nuclear Nonproliferation	26,341	26,341	0
Program Direction - National Nuclear Security Administration	14,088	15,542	17,105
Subtotal, Federal Salaries and Expenses	14,088	15,542	17,105
<b>Total NNSA Production Office (NPO) - TN</b>	<b>40,429</b>	<b>41,883</b>	<b>17,105</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**NNSA Production Office (NPO) - TX FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>NNSA Production Office (NPO) - TX</b>			
Program Direction - National Nuclear Security Administration	14,087	15,543	17,106
Subtotal, Federal Salaries and Expenses	14,087	15,543	17,106
<b>Total NNSA Production Office (NPO) - TX</b>	<b>14,087</b>	<b>15,543</b>	<b>17,106</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Northeast Gasoline Supply Reserve (NGSR) - South Portland FY 2025  
 (Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Northeast Gasoline Supply Reserve (NGSR) - South Portland</b>			
Northeast Gasoline Supply Reserve	2,209	2,209	0
Subtotal, Strategic Petroleum Reserve	2,209	2,209	0
Subtotal, Petroleum Reserves	2,209	2,209	0
<b>Total Northeast Gasoline Supply Reserve (NGSR) - South Portland</b>	<b>2,209</b>	<b>2,209</b>	<b>0</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Northeast Gasoline Supply Reserve (NGSR) - Raritan Bay FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Northeast Gasoline Supply Reserve (NGSR) - Raritan Bay</b>			
Northeast Gasoline Supply Reserve	12,871	12,871	0
Subtotal, Strategic Petroleum Reserve	12,871	12,871	0
Subtotal, Petroleum Reserves	12,871	12,871	0
<b>Total Northeast Gasoline Supply Reserve (NGSR) - Raritan Bay</b>	<b>12,871</b>	<b>12,871</b>	<b>0</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Oak Ridge Institute for Science & Education FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Oak Ridge Institute for Science &amp; Education</b>			
International Nuclear Security	40	0	0
Radiological Security	10	0	0
Global Material Security	50	0	0
Nonproliferation & Arms Control	139	140	159
Counterterrorism and Counterproliferation	3,193	3,443	4,240
Nuclear Counterterrorism & Incident Response	3,193	3,443	4,240
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>3,382</b>	<b>3,583</b>	<b>4,399</b>
Research - Biological & Environmental Research	1,348	2,398	1,828
Biological and Environmental Research	1,348	2,398	1,828
Research - Fusion Energy Sciences	20	0	850
Fusion Energy Sciences	20	0	850
Operations and Maintenance - Nuclear Physics	455	455	455
Nuclear Physics	455	455	455
Safeguards and Security - SC	3,690	3,623	3,588
<b>Subtotal, Science</b>	<b>5,513</b>	<b>6,476</b>	<b>6,721</b>
Vehicle Technologies	850	850	937
Bioenergy Technologies	500	500	600
Hydrogen and Fuel Cells Technologies	1,000	1,000	1,900
Sustainable Transportation and Fuels	2,350	2,350	3,437
Renewable Energy Integration	0	0	5,050
Solar Energy Technologies	1,000	1,000	1,500
Wind Energy Technologies	0	0	670
Renewable Energy	1,000	1,000	7,220
Industrial Efficiency & Decarbonization Office	3,000	3,000	2,500
Advanced Materials & Manufacturing Technologies Office	2,900	2,900	6,000
Building Technologies	7,500	7,500	9,000
Buildings & Industry (formerly Energy Efficiency)	13,400	13,400	17,500
Strategic Programs	160	160	160
Corporate Support	160	160	160
<b>Subtotal, Energy Efficiency and Renewable Energy</b>	<b>16,910</b>	<b>16,910</b>	<b>28,317</b>
Federal Energy Management Program (FEMP)	94	1,875	1,875
<b>Subtotal, Federal Energy Management Program (FEMP)</b>	<b>94</b>	<b>1,875</b>	<b>1,875</b>
Training and Technical Assistance (SCEP)	250	400	400
State Energy Program Grants (SCEP)	1,300	1,500	1,500
<b>Subtotal, State and Community Programs (SCEP)</b>	<b>1,550</b>	<b>1,900</b>	<b>1,900</b>
Transmission Reliability and Resilience	201	0	0
Grid Controls and Communications	201	0	0
<b>Subtotal, Electricity</b>	<b>201</b>	<b>0</b>	<b>0</b>
Risk Management Technology and Tools (270)	20	20	17
Policy, Preparedness, and Risk Analysis (270)	94	94	100
Program Direction - CESER (270)	235	245	255
<b>Subtotal, Cybersecurity, Energy Security, and Emergency Response</b>	<b>349</b>	<b>359</b>	<b>372</b>
Hydrogen with Carbon Management	1,433	1,433	1,282
Carbon Transport and Storage	96	96	84
Carbon Dioxide Removal	646	646	833
Carbon Utilization	333	333	0
Carbon Dioxide Conversion	0	0	400
Carbon Capture	151	151	0

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Oak Ridge Institute for Science & Education FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Point-Source Carbon Capture	0	0	108
Carbon Management Technologies	2,659	2,659	2,707
Advanced Remediation Technologies	414	414	113
Methane Mitigation Technologies	483	483	610
Natural Gas Decarbonization and Hydrogen Technologies	9	9	9
Mineral Sustainability	435	435	630
Resource Sustainability	1,341	1,341	1,362
Special Recruitment Programs	886	886	886
Program Direction - Fossil Energy	149	149	207
NETL Interagency Working Group	26	26	0
<b>Subtotal, Fossil Energy and Carbon Management</b>	<b>5,061</b>	<b>5,061</b>	<b>5,162</b>
University Nuclear Leadership Program	0	0	500
NEUP, SBIR/STTR, and TCF	500	500	0
Directed R&D and University Programs	500	500	500
<b>Subtotal, Nuclear Energy</b>	<b>500</b>	<b>500</b>	<b>500</b>
Environment, Health, Safety & Security	1,255	1,255	1,500
Environment, Health, Safety, and Security	1,255	1,255	1,500
<b>Subtotal, Other Defense Activities</b>	<b>1,255</b>	<b>1,255</b>	<b>1,500</b>
Technology Transitions Program Office	270	400	400
Office of Technology Transitions Program Direction	500	500	500
<b>Subtotal, Office of Technology Transitions</b>	<b>770</b>	<b>900</b>	<b>900</b>
<b>Total Oak Ridge Institute for Science &amp; Education</b>	<b>35,585</b>	<b>38,819</b>	<b>51,646</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Oak Ridge National Laboratory FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Oak Ridge National Laboratory</b>			
Tritium & Domestic Uranium Enrichment	87,096	68,879	120,000
Tritium and Domestic Uranium Enrichment	87,096	68,879	120,000
Non-Nuclear Capability Modernization	600	600	0
Total, Non-Nuclear Capability Modernization	600	600	0
Capability Based Investments	601	601	0
Production Modernization	88,297	70,080	120,000
Aging and Lifetimes	200	0	0
Engineering and Integrated Assessments	200	0	0
Advanced Simulation and Computing	831	1,181	831
Advanced Simulation & Computing	831	1,181	831
Stockpile Research, Technology, and Engineering	1,031	1,181	831
Safety and Environmental Operations	12,261	12,261	10,650
Operating	12,261	12,261	10,650
Infrastructure and Operations	12,261	12,261	10,650
<b>Subtotal, Weapons Activities</b>	<b>101,589</b>	<b>83,522</b>	<b>131,481</b>
Reactor Conversion and Uranium Supply	3,642	3,642	2,500
Nuclear Material Removal and Elimination	5,150	5,150	6,680
Plutonium Disposition	9,350	9,350	7,848
Material Management and Minimization	18,142	18,142	17,028
International Nuclear Security	4,327	14,105	14,106
Radiological Security	21,480	21,160	21,160
Nuclear Smuggling Detection and Deterrence	20,413	26,320	27,899
Global Material Security	46,220	61,585	63,165
Nonproliferation & Arms Control	28,986	29,000	30,574
Proliferation Detection R&D	38,762	38,761	42,415
Nonproliferation Fuels Development	6,000	6,000	0
Forensics R&D	3,800	3,300	2,806
Nonproliferation Stewardship Program	36,627	21,437	21,416
Defense Nuclear Nonproliferation R&D	85,189	69,498	66,637
NNSA Bioassurance Program	250	250	0
Counterterrorism and Counterproliferation	9,320	8,860	11,447
Nuclear Counterterrorism & Incident Response	9,320	8,860	11,447
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>188,107</b>	<b>187,335</b>	<b>188,851</b>
Program Direction - National Nuclear Security Administration	7	7	7
<b>Subtotal, Federal Salaries and Expenses</b>	<b>7</b>	<b>7</b>	<b>7</b>
Research - Advanced Scientific Computing Research	251,831	247,643	266,643
17-SC-20, SC Exascale Computing Project (ECP)	77,000	0	0
Advanced Scientific Computing Research	328,831	247,643	266,643
Research - Basic Energy Sciences	381,174	430,583	438,461
24-SC-10, HFIR Pressure Vessel Replacement (PVR), ORNL	0	0	6,000
19-SC-14, Second Target Station (STS), ORNL	32,000	52,000	52,000
18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL	17,000	15,769	0
Construction - Basic Energy Sciences	49,000	67,769	58,000
Basic Energy Sciences	430,174	498,352	496,461
Research - Biological & Environmental Research	93,265	98,571	75,081
Biological and Environmental Research	93,265	98,571	75,081
Research - Fusion Energy Sciences	27,821	40,891	34,770
14-SC-60, U.S. Contributions to ITER (U.S. ITER)	242,000	240,000	225,000

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Oak Ridge National Laboratory FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Construction - Fusion Energy Sciences	242,000	240,000	225,000
Fusion Energy Sciences	269,821	280,891	259,770
Research - High Energy Physics	1,830	1,660	2,907
High Energy Physics	1,830	1,660	2,907
Operations and Maintenance - Nuclear Physics	16,627	12,530	14,262
Nuclear Physics	16,627	12,530	14,262
Research - Accelerator R&D and Production	0	62	62
Accelerator R&D and Production	0	62	62
Oak Ridge Nuclear Operations	26,000	46,000	46,000
Facilities and Infrastructure (SLI)	0	0	9,690
22-SC-71, Critical Infrastructure Modernization Project, ORNL	1,000	0	0
Construction - Science Laboratories Infrastructure	1,000	0	0
Science Laboratories Infrastructure	27,000	46,000	55,690
Safeguards and Security - SC	38,805	39,350	39,359
<b>Subtotal, Science</b>	<b>1,206,353</b>	<b>1,225,059</b>	<b>1,210,235</b>
Vehicle Technologies	35,500	35,500	39,150
Bioenergy Technologies	10,500	10,500	8,500
Hydrogen and Fuel Cells Technologies	3,600	3,600	2,700
Sustainable Transportation and Fuels	49,600	49,600	50,350
Renewable Energy Integration	2,000	2,000	0
Solar Energy Technologies	1,000	1,000	1,000
Wind Energy Technologies	1,724	1,724	1,961
Water Power Technologies	10,959	10,959	11,000
Geothermal Technologies	2,204	2,204	3,000
Renewable Energy	17,887	17,887	16,961
Industrial Efficiency & Decarbonization Office	18,150	18,150	20,000
Advanced Materials & Manufacturing Technologies Office	0	0	25,000
Building Technologies	33,083	33,083	35,000
Buildings & Industry (formerly Energy Efficiency)	51,233	51,233	80,000
<b>Subtotal, Energy Efficiency and Renewable Energy</b>	<b>118,720</b>	<b>118,720</b>	<b>147,311</b>
Federal Energy Management Program (FEMP)	1,751	2,217	2,250
<b>Subtotal, Federal Energy Management Program (FEMP)</b>	<b>1,751</b>	<b>2,217</b>	<b>2,250</b>
Training and Technical Assistance (SCEP)	360	1,200	1,200
<b>Subtotal, State and Community Programs (SCEP)</b>	<b>360</b>	<b>1,200</b>	<b>1,200</b>
Transmission Reliability and Resilience	4,094	0	4,600
Energy Delivery Grid Operations Technology	3,923	0	3,925
Resilient Distribution Systems	6,887	0	8,600
Cyber Resilient & Secure Utility Communications Network (SecureNet)	9,808	0	4,000
Grid Controls and Communications	24,712	0	21,125
Energy Storage R&D	3,783	0	4,000
Energy Storage	3,783	0	4,000
Transformer Resilience and Advanced Components	5,304	0	9,500
Applied Grid Transformation Solutions	1,005	0	1,000
Grid Hardware, Components, and Systems	10,092	0	14,500
Grid Technical Assistance	600	600	0
<b>Subtotal, Grid Deployment Office (OE)</b>	<b>600</b>	<b>600</b>	<b>0</b>
<b>Subtotal, Electricity</b>	<b>35,404</b>	<b>600</b>	<b>35,625</b>
Transmission Planning & Permitting (GDO)	0	0	336
Distribution & Markets (GDO)	0	0	1,000
<b>Subtotal, Grid Deployment Office</b>	<b>0</b>	<b>0</b>	<b>1,336</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Oak Ridge National Laboratory FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Risk Management Technology and Tools (270)	12,000	12,000	10,224
Response and Restoration (270)	1,000	1,000	1,435
Subtotal, Cybersecurity, Energy Security, and Emergency Response	13,000	13,000	11,659
Strategic Petroleum Reserve (SPR)	570	570	600
Subtotal, Strategic Petroleum Reserve	570	570	600
Subtotal, Petroleum Reserves	570	570	600
Hydrogen with Carbon Management	3,408	3,408	3,049
Carbon Utilization	2,520	2,520	0
Carbon Dioxide Conversion	0	0	3,024
Carbon Capture	1,339	1,339	0
Point-Source Carbon Capture	0	0	954
Carbon Management Technologies	7,267	7,267	7,027
Methane Mitigation Technologies	493	493	623
Mineral Sustainability	8,232	8,232	11,921
Resource Sustainability	8,725	8,725	12,544
Subtotal, Fossil Energy and Carbon Management	15,992	15,992	19,571
NEUP, SBIR/STTR, and TCF	1,415	0	0
Directed R&D and University Programs	1,415	0	0
Advanced SMR R&D	222	0	0
LWR Sustainability	4,960	6,150	5,000
Advanced Reactor Technologies	1,195	2,500	5,000
Integrated Energy Systems	0	0	150
Reactor Concepts RD&D	6,377	8,650	10,150
Materials Recovery and Waste Form Development	1,965	1,965	1,700
Accident Tolerant Fuels	11,016	11,016	9,452
TRISO and Graphite Qualification	2,620	2,620	0
Fuel Cycle Laboratory R&D	3,961	3,961	2,049
Advanced Nuclear Fuel Availability	485	485	728
Used Nuclear Fuel Disposition R&D	3,064	4,153	6,000
Integrated Waste Management System	6,980	8,152	5,000
Next Generation Fuels	0	0	5,067
Fuel Cycle Research & Development	30,091	32,352	29,996
Crosscutting Technology Development	2,184	3,443	0
Joint Modeling and Simulation Program	4,305	4,682	4,700
Nuclear Science User Facility	4,341	1,900	1,900
Advanced Materials and Manufacturing Technologies	0	0	4,950
Advanced Sensors and Instrumentation	0	0	1,250
Nuclear Energy Enabling Technologies	10,830	10,025	12,800
National Reactor Innovation Center	25	0	0
Risk Reduction for Future Demonstrations	0	0	2,000
Regulatory Development	1,655	1,600	2,000
Advanced Reactor Safeguards	550	550	1,274
Advanced Reactors Demonstration Program	2,230	2,150	5,274
ORNL Nuclear Facilities O&M	20,000	20,000	0
Infrastructure	20,000	20,000	0
International Nuclear Energy Cooperation	515	515	1,030
Subtotal, Nuclear Energy	71,458	73,692	59,250
Environment, Health, Safety & Security	1,035	1,035	1,043
Environment, Health, Safety, and Security	1,035	1,035	1,043
Subtotal, Other Defense Activities	1,035	1,035	1,043

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Oak Ridge National Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Administrative Expenses - Tribal Energy Loan Guarantee Program	10	10	10
Subtotal, Tribal Energy Loan Guarantee	10	10	10
Advanced Technology Vehicle Manufacturing Loan Program	0	0	100
Subtotal, Advanced Technology Vehicles Manufacturing Loan	0	0	100
Total Loan Program Office	10	10	110
OR Nuclear Facility D&D	334,221	334,221	342,705
U233 Disposition Program	55,628	55,628	60,000
Oak Ridge (OR)	389,849	389,849	402,705
Subtotal, Defense Environmental Cleanup	389,849	389,849	402,705
<b>Total Oak Ridge National Laboratory</b>	<b>2,144,205</b>	<b>2,112,808</b>	<b>2,213,234</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Oak Ridge National Laboratory Site Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Oak Ridge National Laboratory Site Office</b>			
Program Direction - SC	7,626	7,864	8,061
Subtotal, Science	7,626	7,864	8,061
Loan Guarantee Program	116	200	250
Subtotal, Title XVII Loan Guarantee	116	200	250
Total Loan Program Office	116	200	250
<b>Total Oak Ridge National Laboratory Site Office</b>	<b>7,742</b>	<b>8,064</b>	<b>8,311</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Oak Ridge Office FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Oak Ridge Office</b>			
Safety and Environmental Operations	275	275	0
Operating	275	275	0
Infrastructure and Operations	275	275	0
Subtotal, Weapons Activities	275	275	0
Advanced Nuclear Fuel Availability	13	13	20
Fuel Cycle Research & Development	13	13	20
Subtotal, Nuclear Energy	13	13	20
Environment, Health, Safety & Security	2,795	2,795	2,795
Environment, Health, Safety, and Security	2,795	2,795	2,795
Subtotal, Other Defense Activities	2,795	2,795	2,795
Program Direction - Defense Environmental Cleanup	17,008	17,008	18,871
Subtotal, Defense Environmental Cleanup	17,008	17,008	18,871
<b>Total Oak Ridge Office</b>	<b>20,091</b>	<b>20,091</b>	<b>21,686</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Oak Ridge Reservation FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Oak Ridge Reservation</b>			
OR Cleanup and Waste Disposition	62,000	62,000	72,000
Oak Ridge (OR)	62,000	62,000	72,000
Subtotal, Defense Environmental Cleanup	62,000	62,000	72,000
<b>Total Oak Ridge Reservation</b>	<b>62,000</b>	<b>62,000</b>	<b>72,000</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Oak Ridge Reservation (Off-Site) FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Oak Ridge Reservation (Off-Site)</b>			
OR Community and Regulatory Support	5,300	5,300	5,700
Oak Ridge (OR)	5,300	5,300	5,700
Subtotal, Defense Environmental Cleanup	5,300	5,300	5,700
<b>Total Oak Ridge Reservation (Off-Site)</b>	<b>5,300</b>	<b>5,300</b>	<b>5,700</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Office of River Protection FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Office of River Protection</b>			
Waste Treatment Immobilization Plant Commissioning	50,000	50,000	466,000
Rad Liquid Tank Waste Stabilization and Disposition	851,100	851,100	832,065
01-D-16D High-Level Waste Facility	392,200	392,200	608,100
01-D-16E Pretreatment Facility	20,000	20,000	20,000
15-D-409 Low Activity Waste Pretreatment System	0	0	37,500
18-D-16 Waste treatment and immobilization plant - LBL/Direct Feed LAW	412,700	412,700	0
23-D-403, Hanford 200 West Area Tank Farms Risk Management Project	4,408	4,408	37,500
Construction - Office of River Protection	829,308	829,308	703,100
Office of River Protection (ORP)	1,730,408	1,730,408	2,001,165
Program Direction - Defense Environmental Cleanup	26,055	26,055	25,172
Subtotal, Defense Environmental Cleanup	1,756,463	1,756,463	2,026,337
<b>Total Office of River Protection</b>	<b>1,756,463</b>	<b>1,756,463</b>	<b>2,026,337</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Office of Scientific & Technical Information FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Office of Scientific &amp; Technical Information</b>			
Primary Assessment Technologies	220	212	220
Assessment Science	220	212	220
Stockpile Research, Technology, and Engineering	220	212	220
Information Technology and Cyber Security	305	444	449
<b>Subtotal, Weapons Activities</b>	<b>525</b>	<b>656</b>	<b>669</b>
Nonproliferation & Arms Control	7	8	0
Nuclear Detonation Detection	80	84	100
Defense Nuclear Nonproliferation R&D	80	84	100
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>87</b>	<b>92</b>	<b>100</b>
Research - Fusion Energy Sciences	6	0	4
Fusion Energy Sciences	6	0	4
Facilities and Infrastructure (SLI)	200	0	0
Science Laboratories Infrastructure	200	0	0
Safeguards and Security - SC	2,251	2,258	2,258
Program Direction - SC	12,829	14,074	14,932
<b>Subtotal, Science</b>	<b>15,286</b>	<b>16,332</b>	<b>17,194</b>
Environment, Health, Safety & Security	300	300	300
Environment, Health, Safety, and Security	300	300	300
<b>Subtotal, Other Defense Activities</b>	<b>300</b>	<b>300</b>	<b>300</b>
<b>Total Office of Scientific &amp; Technical Information</b>	<b>16,198</b>	<b>17,380</b>	<b>18,263</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Pacific Northwest National Laboratory FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Pacific Northwest National Laboratory</b>			
Secondary Capability Modernization (SCM)	4,885	4,885	4,520
Secondary Capability Modernization	4,885	4,885	4,520
Tritium & Domestic Uranium Enrichment	97,293	63,514	86,157
Tritium and Domestic Uranium Enrichment	97,293	63,514	86,157
Non-Nuclear Capability Modernization	480	480	860
Total, Non-Nuclear Capability Modernization	480	480	860
Capability Based Investments	4,885	4,885	3,000
Production Modernization	107,543	73,764	94,537
Aging and Lifetimes	400	1,310	0
Engineering and Integrated Assessments	400	1,310	0
Weapon Technology Development	1,350	1,234	2,638
Weapons Technology and Manufacturing Maturation	1,350	1,234	2,638
Stockpile Research, Technology, and Engineering	1,750	2,544	2,638
Safety and Environmental Operations	3,817	3,817	3,329
Operating	3,817	3,817	3,329
Infrastructure and Operations	3,817	3,817	3,329
STA Operations and Equipment	2,000	2,000	2,000
Secure Transportation Asset	2,000	2,000	2,000
Information Technology and Cyber Security	2,550	2,250	2,575
<b>Subtotal, Weapons Activities</b>	<b>117,660</b>	<b>84,375</b>	<b>105,079</b>
Reactor Conversion and Uranium Supply	17,179	17,179	18,370
Nuclear Material Removal and Elimination	5	5	200
Plutonium Disposition	3,345	3,345	1,971
Material Management and Minimization	20,529	20,529	20,541
International Nuclear Security	39,774	16,858	16,859
Radiological Security	83,304	79,566	79,566
Nuclear Smuggling Detection and Deterrence	67,541	37,034	39,255
Global Material Security	190,619	133,458	135,680
Nonproliferation & Arms Control	35,350	35,500	35,386
Proliferation Detection R&D	28,444	22,817	24,968
Nuclear Detonation Detection	20,701	18,714	21,654
Forensics R&D	5,669	5,764	4,900
Nonproliferation Stewardship Program	12,501	19,919	19,899
Defense Nuclear Nonproliferation R&D	67,315	67,214	71,421
NNSA Bioassurance Program	900	900	0
Emergency Management (formerly Emergency Operations)	2,397	1,931	1,326
Counterterrorism and Counterproliferation	7,827	4,779	6,272
Nuclear Counterterrorism & Incident Response	10,224	6,710	7,598
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>324,937</b>	<b>264,311</b>	<b>270,626</b>
Program Direction - National Nuclear Security Administration	1,500	1,500	0
<b>Subtotal, Federal Salaries and Expenses</b>	<b>1,500</b>	<b>1,500</b>	<b>0</b>
Research - Advanced Scientific Computing Research	3,664	2,764	2,764
Advanced Scientific Computing Research	3,664	2,764	2,764
Research - Basic Energy Sciences	28,356	28,356	28,406
Basic Energy Sciences	28,356	28,356	28,406
Research - Biological & Environmental Research	168,205	128,807	155,830
24-SC-31, Microbial Molecular Phenotyping Capability (M2PC), PNNL	0	0	19,000
Biological and Environmental Research - Construction	0	0	19,000

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Pacific Northwest National Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Biological and Environmental Research	168,205	128,807	174,830
Research - Fusion Energy Sciences	1,413	1,513	1,500
Fusion Energy Sciences	1,413	1,513	1,500
Research - High Energy Physics	1,850	1,750	1,585
High Energy Physics	1,850	1,750	1,585
Operations and Maintenance - Nuclear Physics	818	818	818
Nuclear Physics	818	818	818
Facilities and Infrastructure (SLI)	5,400	6,000	0
Science Laboratories Infrastructure	5,400	6,000	0
Safeguards and Security - SC	19,958	17,529	18,184
<b>Subtotal, Science</b>	<b>229,664</b>	<b>187,537</b>	<b>228,087</b>
Vehicle Technologies	31,000	31,000	34,188
Bioenergy Technologies	12,000	12,000	11,000
Hydrogen and Fuel Cells Technologies	6,500	6,500	5,500
Sustainable Transportation and Fuels	49,500	49,500	50,688
Renewable Energy Integration	5,000	5,000	7,750
Wind Energy Technologies	7,517	7,517	10,285
Water Power Technologies	20,610	20,610	21,000
Geothermal Technologies	330	330	1,500
Renewable Energy	33,457	33,457	40,535
Industrial Efficiency & Decarbonization Office	1,000	1,000	1,500
Building Technologies	39,724	39,724	50,000
Buildings & Industry (formerly Energy Efficiency)	40,724	40,724	51,500
Strategic Programs	770	770	700
Corporate Support	770	770	700
<b>Subtotal, Energy Efficiency and Renewable Energy</b>	<b>124,451</b>	<b>124,451</b>	<b>143,423</b>
Federal Energy Management Program (FEMP)	6,785	4,542	4,550
<b>Subtotal, Federal Energy Management Program (FEMP)</b>	<b>6,785</b>	<b>4,542</b>	<b>4,550</b>
Facility and Workforce Assistance (MESC)	0	200	200
<b>Subtotal, Manufacturing &amp; Energy Supply Chains (MESC)</b>	<b>0</b>	<b>200</b>	<b>200</b>
State Energy Program Grants (SCEP)	100	0	0
<b>Subtotal, State and Community Programs (SCEP)</b>	<b>100</b>	<b>0</b>	<b>0</b>
Transmission Reliability and Resilience	6,301	0	8,180
Energy Delivery Grid Operations Technology	7,637	0	7,635
Resilient Distribution Systems	10,429	0	12,700
Cyber Resilient & Secure Utility Communications Network (SecureNet)	0	0	3,500
Grid Controls and Communications	24,367	0	32,015
Energy Storage R&D	24,895	0	30,680
Energy Storage	24,895	0	30,680
Transformer Resilience and Advanced Components	100	0	500
Grid Hardware, Components, and Systems	24,995	0	31,180
Grid Planning and Development (formerly, Transmission Permitting & Tech Assist.)	7,500	7,500	0
Grid Technical Assistance	5,000	5,000	0
Interregional and Offshore Transmission Planning	90	90	0
<b>Subtotal, Grid Deployment Office (OE)</b>	<b>12,590</b>	<b>12,590</b>	<b>0</b>
<b>Subtotal, Electricity</b>	<b>61,952</b>	<b>12,590</b>	<b>63,195</b>
Transmission Planning & Permitting (GDO)	0	0	10,971
Wholesale Electricity Market Technical Assistance and Grants (GDO)	2,000	2,000	0
Distribution & Markets (GDO)	0	0	3,253
<b>Subtotal, Grid Deployment Office</b>	<b>2,000</b>	<b>2,000</b>	<b>14,224</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Pacific Northwest National Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Risk Management Technology and Tools (270)	8,800	8,800	7,498
Response and Restoration (270)	1,000	1,000	1,435
Policy, Preparedness, and Risk Analysis (270)	4,125	4,125	4,378
<b>Subtotal, Cybersecurity, Energy Security, and Emergency Response</b>	<b>13,925</b>	<b>13,925</b>	<b>13,310</b>
Hydrogen with Carbon Management	1,630	1,630	1,458
Carbon Transport and Storage	624	624	551
Carbon Dioxide Removal	508	508	654
Carbon Utilization	894	894	0
Carbon Dioxide Conversion	0	0	1,073
Carbon Capture	1,403	1,403	0
Point-Source Carbon Capture	0	0	999
Carbon Management Technologies	5,059	5,059	4,735
Methane Mitigation Technologies	740	740	935
Natural Gas Decarbonization and Hydrogen Technologies	234	234	219
Mineral Sustainability	1,867	1,867	2,704
Resource Sustainability	2,841	2,841	3,858
Program Direction - Fossil Energy	261	261	362
<b>Subtotal, Fossil Energy and Carbon Management</b>	<b>8,161</b>	<b>8,161</b>	<b>8,955</b>
NEUP, SBIR/STTR, and TCF	648	0	0
Directed R&D and University Programs	648	0	0
Advanced Reactor Technologies	1,510	3,500	3,500
Reactor Concepts RD&D	1,510	3,500	3,500
Materials Recovery and Waste Form Development	2,640	2,640	2,200
Accident Tolerant Fuels	545	545	468
Fuel Cycle Laboratory R&D	2,605	2,605	1,347
Used Nuclear Fuel Disposition R&D	10,421	8,366	10,421
Integrated Waste Management System	21,272	16,000	17,000
Next Generation Fuels	0	0	10,728
Fuel Cycle Research & Development	37,483	30,156	42,164
Crosscutting Technology Development	1,540	2,170	0
Nuclear Science User Facility	0	75	75
Advanced Materials and Manufacturing Technologies	0	0	2,100
Advanced Sensors and Instrumentation	0	0	650
Nuclear Energy Enabling Technologies	1,540	2,245	2,825
National Reactor Innovation Center	202	0	0
Regulatory Development	230	200	400
Advanced Reactor Safeguards	500	400	926
Advanced Reactors Demonstration Program	932	600	1,326
International Nuclear Energy Cooperation	255	255	300
<b>Subtotal, Nuclear Energy</b>	<b>42,368</b>	<b>36,756</b>	<b>50,115</b>
Nuclear Waste Fund Oversight	530	530	530
<b>Subtotal, Nuclear Waste Disposal</b>	<b>530</b>	<b>530</b>	<b>530</b>
Environment, Health, Safety & Security	1,905	1,905	1,905
Environment, Health, Safety, and Security	1,905	1,905	1,905
<b>Subtotal, Other Defense Activities</b>	<b>1,905</b>	<b>1,905</b>	<b>1,905</b>
Technology Transitions Program Office	40	0	0
<b>Subtotal, Office of Technology Transitions</b>	<b>40</b>	<b>0</b>	<b>0</b>
<b>Total Pacific Northwest National Laboratory</b>	<b>935,978</b>	<b>742,783</b>	<b>904,199</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Pacific Northwest Site Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Pacific Northwest Site Office</b>			
Program Direction - SC	6,125	6,255	6,416
Subtotal, Science	6,125	6,255	6,416
Hydropower Incentives (GDO)	0	0	125
Subtotal, Grid Deployment Office	0	0	125
<b>Total Pacific Northwest Site Office</b>	<b>6,125</b>	<b>6,255</b>	<b>6,541</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Paducah Gaseous Diffusion Plant FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Paducah Gaseous Diffusion Plant</b>			
Program Direction - Defense Environmental Cleanup	16,095	16,095	18,946
Safeguards and Security - Defense Environmental Cleanup	16,106	16,106	16,910
Subtotal, Defense Environmental Cleanup	32,201	32,201	35,856
Gaseous Diffusion Plants	70,921	70,921	70,511
Subtotal, Non-Defense Environmental Cleanup	70,921	70,921	70,511
Nuclear Facility D&D, Paducah	240,000	240,000	240,000
Paducah - Pension and Community and Regulatory Support	2,782	2,782	2,845
Pension and Community and Regulatory Support	2,782	2,782	2,845
Subtotal, Uranium Enrichment D&D	242,782	242,782	242,845
<b>Total Paducah Gaseous Diffusion Plant</b>	<b>345,904</b>	<b>345,904</b>	<b>349,212</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Pantex Plant FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Pantex Plant</b>			
B61-12 LEP	65,805	65,805	0
W88 ALT 370	46,404	46,404	50,600
W80-4 LEP	64,050	64,050	89,217
W87-1 Modification Program	18,000	18,000	44,453
W93 Program	2,000	2,000	2,520
Stockpile Major Modernization	196,259	196,259	186,790
MB0600000, Stockpile Sustainment	106,014	106,014	145,758
Stockpile Sustainment	106,014	106,014	145,758
Weapons Dismantlement and Disposition	12,537	12,537	28,000
Production Operations	122,023	122,023	151,140
Nuclear Enterprise Assurance	3,010	3,010	3,500
Stockpile Management	439,843	439,843	515,188
Enterprise Pit Production Support (formerly Enterprise Plutonium Support)	0	0	385
Plutonium Modernization	0	0	385
High Explosives & Energetics	18,500	18,500	16,550
21-D-510 HE Synthesis Formulation and Production, PX	108,000	108,000	0
15-D-301, HE Science & Engineering Facility, PX	20,000	20,000	15,000
HE & Energetics	146,500	146,500	31,550
Primary Capability Modernization	146,500	146,500	31,935
Non-Nuclear Capability Modernization	79	79	68
Total, Non-Nuclear Capability Modernization	79	79	68
Capability Based Investments	18,505	18,505	10,000
Warhead Assembly Modernization	0	0	34,000
Total, Warhead Assembly	0	0	34,000
Production Modernization	165,084	165,084	76,003
Studies and Assessments	100	31	2,500
Aging and Lifetimes	3,089	3,435	2,300
Stockpile Responsiveness	3,600	5,627	4,320
Advanced Certification and Qualification	1,281	1,081	500
Engineering and Integrated Assessments	8,070	10,174	9,620
Weapon Technology Development	2,944	3,092	3,852
Weapons Technology and Manufacturing Maturation	2,944	3,092	3,852
Advanced Simulation and Computing	0	750	750
Advanced Simulation & Computing	0	750	750
Stockpile Research, Technology, and Engineering	11,014	14,016	14,222
Operations of Facilities	83,000	80,000	90,000
Safety and Environmental Operations	24,386	24,386	26,736
Maintenance and Repair of Facilities	108,000	102,000	120,000
Recapitalization (formerly Infrastructure and Safety)	41,989	26,044	74,165
Operating	257,375	232,430	310,901
Infrastructure and Operations	257,375	232,430	310,901
STA Operations and Equipment	8,302	8,302	8,655
Secure Transportation Asset	8,302	8,302	8,655
Operations and Maintenance - DNS	155,621	155,621	173,515
Defense Nuclear Security (DNS)	155,621	155,621	173,515
Information Technology and Cyber Security	12,948	10,134	14,899
<b>Subtotal, Weapons Activities</b>	<b>1,050,187</b>	<b>1,025,430</b>	<b>1,113,383</b>
Plutonium Disposition	6,000	6,000	4,018

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Pantex Plant FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Material Management and Minimization	6,000	6,000	4,018
Nonproliferation & Arms Control	2,120	7,000	7,500
Counterterrorism and Counterproliferation	4,020	3,199	3,330
Nuclear Counterterrorism & Incident Response	4,020	3,199	3,330
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>12,140</b>	<b>16,199</b>	<b>14,848</b>
Environment, Health, Safety & Security	10	10	10
Environment, Health, Safety, and Security	10	10	10
<b>Subtotal, Other Defense Activities</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Total Pantex Plant</b>	<b>1,062,337</b>	<b>1,041,639</b>	<b>1,128,241</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Pinellas Site FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Pinellas Site</b>			
Legacy Management Activities - Defense	4,164	4,164	3,452
Legacy Management	4,164	4,164	3,452
Subtotal, Other Defense Activities	4,164	4,164	3,452
<b>Total Pinellas Site</b>	<b>4,164</b>	<b>4,164</b>	<b>3,452</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Portsmouth Gaseous Diffusion Plant FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Portsmouth Gaseous Diffusion Plant</b>			
Secondary Capability Modernization (SCM)	30,000	30,000	15,000
Secondary Capability Modernization	30,000	30,000	15,000
Tritium & Domestic Uranium Enrichment	30,000	30,400	31,100
Tritium and Domestic Uranium Enrichment	30,000	30,400	31,100
Production Modernization	60,000	60,400	46,100
Subtotal, Weapons Activities	60,000	60,400	46,100
Advanced Nuclear Fuel Availability	30	30	45
Fuel Cycle Research & Development	30	30	45
Subtotal, Nuclear Energy	30	30	45
Legacy Management Activities - Defense	4,300	4,300	2,500
Legacy Management	4,300	4,300	2,500
Subtotal, Other Defense Activities	4,300	4,300	2,500
Safeguards and Security - Defense Environmental Cleanup	16,590	16,590	17,763
Subtotal, Defense Environmental Cleanup	16,590	16,590	17,763
Gaseous Diffusion Plants	60,017	60,017	65,876
Subtotal, Non-Defense Environmental Cleanup	60,017	60,017	65,876
Nuclear Facility D&D, Portsmouth	424,354	424,354	424,852
20-U-401 On-site Waste Disposal Facility	56,040	56,040	82,000
25-U-401 On Site Waste Disposal Facility Liner Buildout and Final Cover System	0	0	5,875
Construction - Portsmouth	56,040	56,040	87,875
Portsmouth - Pension and Community and Regulatory Support	23,130	23,130	3,560
Pension and Community and Regulatory Support	23,130	23,130	3,560
Subtotal, Uranium Enrichment D&D	503,524	503,524	516,287
<b>Total Portsmouth Gaseous Diffusion Plant</b>	<b>644,461</b>	<b>644,861</b>	<b>648,571</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Princeton Plasma Physics Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Princeton Plasma Physics Laboratory</b>			
Proliferation Detection R&D	424	285	312
Defense Nuclear Nonproliferation R&D	424	285	312
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>424</b>	<b>285</b>	<b>312</b>
Research - Fusion Energy Sciences	63,775	65,339	60,597
Fusion Energy Sciences	63,775	65,339	60,597
21-SC-71, Princeton Plasma Innovation Center, PPPL	10,000	10,000	35,000
21-SC-72, Critical Infrastructure Recovery & Renewal, PPPL	4,000	10,000	20,000
Construction - Science Laboratories Infrastructure	14,000	20,000	55,000
Science Laboratories Infrastructure	14,000	20,000	55,000
Safeguards and Security - SC	6,839	6,037	6,567
<b>Subtotal, Science</b>	<b>84,614</b>	<b>91,376</b>	<b>122,164</b>
<b>Total Princeton Plasma Physics Laboratory</b>	<b>85,038</b>	<b>91,661</b>	<b>122,476</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Princeton Site Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Princeton Site Office</b>			
Program Direction - SC	2,135	2,322	2,372
Subtotal, Science	2,135	2,322	2,372
<b>Total Princeton Site Office</b>	<b>2,135</b>	<b>2,322</b>	<b>2,372</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Richland Operations Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Richland Operations Office</b>			
Counterterrorism and Counterproliferation	1,916	1,822	2,206
Nuclear Counterterrorism & Incident Response	1,916	1,822	2,206
Subtotal, Defense Nuclear Nonproliferation	1,916	1,822	2,206
Program Direction - National Nuclear Security Administration	7	7	7
Subtotal, Federal Salaries and Expenses	7	7	7
Response and Restoration (270)	8,800	8,800	12,626
Policy, Preparedness, and Risk Analysis (270)	408	408	433
Subtotal, Cybersecurity, Energy Security, and Emergency Response	9,208	9,208	13,059
Strategic Partnership Projects	100	100	100
Subtotal, Departmental Administration (Gross)	100	100	100
Subtotal, Departmental Administration	100	100	100
Environment, Health, Safety & Security	1,000	1,000	1,000
Environment, Health, Safety, and Security	1,000	1,000	1,000
Subtotal, Other Defense Activities	1,000	1,000	1,000
Richland Community and Regulatory Support	10,013	10,013	11,130
Richland	10,013	10,013	11,130
Program Direction - Defense Environmental Cleanup	42,683	42,683	46,681
Subtotal, Defense Environmental Cleanup	52,696	52,696	57,811
<b>Total Richland Operations Office</b>	<b>64,927</b>	<b>64,833</b>	<b>74,183</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Rocky Flats Site FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Rocky Flats Site</b>			
Legacy Management Activities - Defense	40,735	40,735	31,195
Legacy Management	40,735	40,735	31,195
Subtotal, Other Defense Activities	40,735	40,735	31,195
Closure Sites Administration	553	553	100
Subtotal, Defense Environmental Cleanup	553	553	100
<b>Total Rocky Flats Site</b>	<b>41,288</b>	<b>41,288</b>	<b>31,295</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Sandia National Laboratories FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Sandia National Laboratories</b>			
B61-12 LEP	56,528	56,528	0
W88 ALT 370	12,145	12,145	10,099
W80-4 LEP	489,539	489,539	443,381
W87-1 Modification Program	307,500	307,500	423,873
W93 Program	54,865	54,865	105,908
Stockpile Major Modernization	920,577	920,577	983,261
MB0600000, Stockpile Sustainment	385,089	385,089	446,423
Stockpile Sustainment	385,089	385,089	446,423
Weapons Dismantlement and Disposition	2,450	2,450	2,000
Production Operations	171,934	171,934	224,934
Nuclear Enterprise Assurance	6,257	6,257	14,000
Stockpile Management	1,486,307	1,486,307	1,670,618
High Explosives & Energetics	15,000	15,000	15,700
HE & Energetics	15,000	15,000	15,700
Primary Capability Modernization	15,000	15,000	15,700
Tritium & Domestic Uranium Enrichment	1,042	724	687
Tritium and Domestic Uranium Enrichment	1,042	724	687
Non-Nuclear Capability Modernization	64,017	64,017	63,796
22-D-513, Power Sources Capability, SNL	0	0	50,000
Total, Non-Nuclear Capability Modernization	64,017	64,017	113,796
Capability Based Investments	25,900	25,900	29,000
Production Modernization	105,959	105,641	159,183
Primary Assessment Technologies	11,000	10,100	9,200
Dynamic Materials Properties	15,536	15,776	16,645
Advanced Diagnostics	8,200	8,686	8,536
Secondary Assessment Technologies	6,250	6,788	5,500
Enhanced Capabilities for Subcritical Experiments	27,801	39,588	8,724
Assessment Science	68,787	80,938	48,605
Archiving and Support	8,750	9,221	4,300
Delivery Environments	71,866	68,701	58,895
Studies and Assessments	1,750	1,564	22,000
Aging and Lifetimes	19,200	22,380	15,400
Stockpile Responsiveness	13,000	15,822	17,346
Advanced Certification and Qualification	7,819	7,161	7,418
Engineering and Integrated Assessments	122,385	124,849	125,359
DP2000000, Inertial Confinement Fusion	82,600	84,114	93,459
Inertial Confinement Fusion	82,600	84,114	93,459
Weapon Technology Development	122,565	114,866	83,214
Weapons Technology and Manufacturing Maturation	122,565	114,866	83,214
Advanced Simulation and Computing	169,027	184,786	198,070
Advanced Simulation & Computing	169,027	184,786	198,070
Stockpile Research, Technology, and Engineering	565,364	589,553	548,707
Operations of Facilities	106,000	95,000	113,000
Safety and Environmental Operations	11,240	11,240	10,657
Maintenance and Repair of Facilities	24,000	20,000	30,000
Recapitalization (formerly Infrastructure and Safety)	45,179	23,550	72,560
Operating	186,419	149,790	226,217
Infrastructure and Operations	186,419	149,790	226,217

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Sandia National Laboratories FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
STA Operations and Equipment	74,426	74,426	84,761
Secure Transportation Asset	74,426	74,426	84,761
Operations and Maintenance - DNS	74,097	74,097	84,729
Defense Nuclear Security (DNS)	74,097	74,097	84,729
Information Technology and Cyber Security	51,056	49,919	59,707
<b>Subtotal, Weapons Activities</b>	<b>2,543,628</b>	<b>2,529,733</b>	<b>2,833,922</b>
Reactor Conversion and Uranium Supply	775	775	1,250
Plutonium Disposition	1,250	1,250	400
Material Management and Minimization	2,025	2,025	1,650
International Nuclear Security	10,559	24,296	24,297
Radiological Security	42,123	47,173	47,173
Nuclear Smuggling Detection and Deterrence	17,259	15,535	16,467
Global Material Security	69,941	87,004	87,937
Nonproliferation & Arms Control	16,606	16,500	13,210
Proliferation Detection R&D	43,006	37,108	40,606
Nuclear Detonation Detection	94,552	86,644	100,252
Forensics R&D	1,800	1,450	1,233
Nonproliferation Stewardship Program	450	175	174
Defense Nuclear Nonproliferation R&D	139,808	125,377	142,265
NNSA Bioassurance Program	5,100	5,100	0
Emergency Management (formerly Emergency Operations)	652	0	0
Counterterrorism and Counterproliferation	77,223	66,922	77,773
Nuclear Counterterrorism & Incident Response	77,875	66,922	77,773
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>311,355</b>	<b>302,928</b>	<b>322,835</b>
Research - Advanced Scientific Computing Research	16,171	14,912	14,912
Advanced Scientific Computing Research	16,171	14,912	14,912
Research - Basic Energy Sciences	24,601	24,453	25,434
Basic Energy Sciences	24,601	24,453	25,434
Research - Biological & Environmental Research	15,394	10,031	11,948
Biological and Environmental Research	15,394	10,031	11,948
Research - Fusion Energy Sciences	1,735	1,935	2,285
Fusion Energy Sciences	1,735	1,935	2,285
Research - High Energy Physics	115	100	85
High Energy Physics	115	100	85
<b>Subtotal, Science</b>	<b>58,016</b>	<b>51,431</b>	<b>54,664</b>
Vehicle Technologies	6,700	6,700	7,389
Bioenergy Technologies	4,000	4,000	3,500
Hydrogen and Fuel Cells Technologies	7,300	7,300	8,800
Sustainable Transportation and Fuels	18,000	18,000	19,689
Renewable Energy Integration	400	400	0
Solar Energy Technologies	7,000	7,000	7,000
Wind Energy Technologies	12,264	12,264	16,087
Water Power Technologies	9,618	9,618	9,500
Geothermal Technologies	1,158	1,158	2,500
Renewable Energy	30,440	30,440	35,087
Advanced Materials & Manufacturing Technologies Office	25,000	25,000	0
Building Technologies	150	150	200
Buildings & Industry (formerly Energy Efficiency)	25,150	25,150	200
Strategic Programs	500	500	500
Corporate Support	500	500	500

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Sandia National Laboratories FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Subtotal, Energy Efficiency and Renewable Energy</b>	<b>74,090</b>	<b>74,090</b>	<b>55,476</b>
Transmission Reliability and Resilience	2,262	0	2,550
Energy Delivery Grid Operations Technology	2,102	0	2,100
Resilient Distribution Systems	1,100	0	2,400
Cyber Resilient & Secure Utility Communications Network (SecureNet)	0	0	1,000
Grid Controls and Communications	5,464	0	8,050
Energy Storage R&D	25,548	0	26,550
Energy Storage	25,548	0	26,550
Transformer Resilience and Advanced Components	1,375	0	3,000
Applied Grid Transformation Solutions	50	0	100
Grid Hardware, Components, and Systems	26,973	0	29,650
Grid Technical Assistance	400	400	0
<b>Subtotal, Grid Deployment Office (OE)</b>	<b>400</b>	<b>400</b>	<b>0</b>
<b>Subtotal, Electricity</b>	<b>32,837</b>	<b>400</b>	<b>37,700</b>
Transmission Planning & Permitting (GDO)	0	0	224
Microgrid Generation & Design Deployment (GDO)	0	0	2,500
<b>Subtotal, Grid Deployment Office</b>	<b>0</b>	<b>0</b>	<b>2,724</b>
<b>Risk Management Technology and Tools (270)</b>	<b>7,600</b>	<b>7,600</b>	<b>6,475</b>
<b>Subtotal, Cybersecurity, Energy Security, and Emergency Response</b>	<b>7,600</b>	<b>7,600</b>	<b>6,475</b>
Strategic Petroleum Reserve (SPR)	4,000	4,000	4,186
<b>Subtotal, Strategic Petroleum Reserve</b>	<b>4,000</b>	<b>4,000</b>	<b>4,186</b>
<b>Subtotal, Petroleum Reserves</b>	<b>4,000</b>	<b>4,000</b>	<b>4,186</b>
Hydrogen with Carbon Management	1,310	1,310	1,172
Carbon Dioxide Removal	1,296	1,296	1,670
Carbon Utilization	272	272	0
Carbon Dioxide Conversion	0	0	327
Carbon Management Technologies	2,878	2,878	3,169
Methane Mitigation Technologies	1,030	1,030	1,301
Natural Gas Decarbonization and Hydrogen Technologies	1,169	1,169	1,097
Mineral Sustainability	1,510	1,510	2,186
Resource Sustainability	3,709	3,709	4,584
<b>Subtotal, Fossil Energy and Carbon Management</b>	<b>6,587</b>	<b>6,587</b>	<b>7,753</b>
NEUP, SBIR/STTR, and TCF	1,800	0	0
Directed R&D and University Programs	1,800	0	0
LWR Sustainability	3,750	3,250	2,500
Advanced Reactor Technologies	4,900	5,200	0
Reactor Concepts RD&D	8,650	8,450	2,500
Accident Tolerant Fuels	60	60	52
Fuel Cycle Laboratory R&D	1,103	1,103	571
Used Nuclear Fuel Disposition R&D	17,790	21,284	11,000
Integrated Waste Management System	2,252	5,000	5,000
Fuel Cycle Research & Development	21,205	27,447	16,623
Crosscutting Technology Development	2,670	2,410	0
Joint Modeling and Simulation Program	250	0	0
Nuclear Energy Enabling Technologies	2,920	2,410	0
Regulatory Development	300	300	300
Advanced Reactor Safeguards	1,933	1,985	4,597
Advanced Reactors Demonstration Program	2,233	2,285	4,897
International Nuclear Energy Cooperation	7	7	7
<b>Subtotal, Nuclear Energy</b>	<b>36,815</b>	<b>40,599</b>	<b>24,027</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Sandia National Laboratories FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Nuclear Waste Fund Oversight	0	0	1,835
Subtotal, Nuclear Waste Disposal	0	0	1,835
Environment, Health, Safety & Security	1,210	1,210	1,210
Environment, Health, Safety, and Security	1,210	1,210	1,210
Subtotal, Other Defense Activities	1,210	1,210	1,210
<b>Total Sandia National Laboratories</b>	<b>3,076,138</b>	<b>3,018,578</b>	<b>3,352,807</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Sandia Site Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Sandia Site Office</b>			
Information Technology and Cyber Security	35	29	312
Subtotal, Weapons Activities	35	29	312
Program Direction - National Nuclear Security Administration	25,487	25,586	27,417
Subtotal, Federal Salaries and Expenses	25,487	25,586	27,417
Sandia National Laboratory (SNL)	4,003	4,003	1,816
NNSA Sites and Nevada Off-Sites	4,003	4,003	1,816
Subtotal, Defense Environmental Cleanup	4,003	4,003	1,816
<b>Total Sandia Site Office</b>	<b>29,525</b>	<b>29,618</b>	<b>29,545</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Savannah River National Laboratory FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Savannah River National Laboratory</b>			
Savannah River Pit Production (formerly Savannah River Plutonium Operations)	56,442	56,442	73,158
Savannah River Plutonium Modernization	56,442	56,442	73,158
Plutonium Modernization	56,442	56,442	73,158
Primary Capability Modernization	56,442	56,442	73,158
Tritium & Domestic Uranium Enrichment	9,115	6,298	13,515
Tritium and Domestic Uranium Enrichment	9,115	6,298	13,515
Non-Nuclear Capability Modernization	84	84	115
Total, Non-Nuclear Capability Modernization	84	84	115
Capability Based Investments	0	0	4,998
Production Modernization	65,641	62,824	91,786
Archiving and Support	0	245	250
Engineering and Integrated Assessments	0	245	250
Stockpile Research, Technology, and Engineering	0	245	250
Safety and Environmental Operations	15,619	15,619	8,131
Operating	15,619	15,619	8,131
Infrastructure and Operations	15,619	15,619	8,131
Information Technology and Cyber Security	6,159	2,299	2,347
<b>Subtotal, Weapons Activities</b>	<b>87,419</b>	<b>80,987</b>	<b>102,514</b>
Reactor Conversion and Uranium Supply	5,735	5,735	5,470
Nuclear Material Removal and Elimination	28,316	28,316	15,590
Plutonium Disposition	10,253	10,253	10,942
Material Management and Minimization	44,304	44,304	32,002
Nuclear Smuggling Detection and Deterrence	359	255	271
Global Material Security	359	255	271
Nonproliferation & Arms Control	11,103	11,000	7,309
Proliferation Detection R&D	18,590	13,352	14,611
Forensics R&D	2,300	1,650	1,403
Nonproliferation Stewardship Program	9,527	5,934	5,928
Defense Nuclear Nonproliferation R&D	30,417	20,936	21,942
Counterterrorism and Counterproliferation	231	200	0
<b>Nuclear Counterterrorism &amp; Incident Response</b>	<b>231</b>	<b>200</b>	<b>0</b>
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>86,414</b>	<b>76,695</b>	<b>61,524</b>
Program Direction - National Nuclear Security Administration	99	99	99
<b>Subtotal, Federal Salaries and Expenses</b>	<b>99</b>	<b>99</b>	<b>99</b>
Research - Basic Energy Sciences	1,100	1,100	1,100
Basic Energy Sciences	1,100	1,100	1,100
Research - Fusion Energy Sciences	900	500	2,000
Fusion Energy Sciences	900	500	2,000
<b>Subtotal, Science</b>	<b>2,000</b>	<b>1,600</b>	<b>3,100</b>
Vehicle Technologies	200	200	221
Hydrogen and Fuel Cells Technologies	200	200	0
Sustainable Transportation and Fuels	400	400	221
Advanced Materials & Manufacturing Technologies Office	2,000	2,000	0
Buildings & Industry (formerly Energy Efficiency)	2,000	2,000	0
<b>Subtotal, Energy Efficiency and Renewable Energy</b>	<b>2,400</b>	<b>2,400</b>	<b>221</b>
Carbon Capture	168	168	0
Point-Source Carbon Capture	0	0	120
Carbon Management Technologies	168	168	120

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Savannah River National Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Subtotal, Fossil Energy and Carbon Management	168	168	120
Fuel Cycle Laboratory R&D	400	400	207
Advanced Nuclear Fuel Availability	810	810	1,215
Used Nuclear Fuel Disposition R&D	162	350	162
Integrated Waste Management System	1,752	4,000	2,978
Fuel Cycle Research & Development	3,124	5,560	4,562
Subtotal, Nuclear Energy	3,124	5,560	4,562
Savannah River National Laboratory Operations & Maintenance	41,000	41,000	90,000
Savannah River Sites	41,000	41,000	90,000
Subtotal, Defense Environmental Cleanup	41,000	41,000	90,000
<b>Total Savannah River National Laboratory</b>	<b>222,624</b>	<b>208,509</b>	<b>262,140</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Savannah River Operations Office FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Savannah River Operations Office</b>			
Savannah River Pit Production (formerly Savannah River Plutonium Operations)	1,100	1,100	1,044
Savannah River Plutonium Modernization	1,100	1,100	1,044
Plutonium Modernization	1,100	1,100	1,044
Primary Capability Modernization	1,100	1,100	1,044
Production Modernization	1,100	1,100	1,044
Recapitalization (formerly Infrastructure and Safety)	0	12,150	0
Operating	0	12,150	0
Infrastructure and Operations	0	12,150	0
Information Technology and Cyber Security	447	756	400
<b>Subtotal, Weapons Activities</b>	<b>1,547</b>	<b>14,006</b>	<b>1,444</b>
Nuclear Material Removal and Elimination	275	275	550
Plutonium Disposition	9,527	9,527	14,028
Material Management and Minimization	9,802	9,802	14,578
18-D-150, Surplus Plutonium Disposition Project, SRS	102	102	0
Nonproliferation Construction	102	102	0
Counterterrorism and Counterproliferation	234	222	398
Nuclear Counterterrorism & Incident Response	234	222	398
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>10,138</b>	<b>10,126</b>	<b>14,976</b>
Program Direction - National Nuclear Security Administration	10,400	10,694	24,622
<b>Subtotal, Federal Salaries and Expenses</b>	<b>10,400</b>	<b>10,694</b>	<b>24,622</b>
Strategic Partnership Projects	11,200	11,200	5,200
<b>Subtotal, Departmental Administration (Gross)</b>	<b>11,200</b>	<b>11,200</b>	<b>5,200</b>
<b>Subtotal, Departmental Administration</b>	<b>11,200</b>	<b>11,200</b>	<b>5,200</b>
SR Community and Regulatory Support	12,137	12,137	5,198
Savannah River Sites	12,137	12,137	5,198
Program Direction - Defense Environmental Cleanup	41,068	41,068	30,340
Safeguards and Security - Defense Environmental Cleanup	159,849	159,849	61,602
<b>Subtotal, Defense Environmental Cleanup</b>	<b>213,054</b>	<b>213,054</b>	<b>97,140</b>
<b>Total Savannah River Operations Office</b>	<b>246,339</b>	<b>259,080</b>	<b>143,382</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Savannah River Site FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Savannah River Site</b>			
B61-12 LEP	14,500	14,500	0
W80-4 LEP	2,240	2,240	4,149
W87-1 Modification Program	3,300	3,300	3,595
W93 Program	1,183	1,183	1,707
Stockpile Major Modernization	21,223	21,223	9,451
MB0600000, Stockpile Sustainment	45,614	45,614	64,162
Stockpile Sustainment	45,614	45,614	64,162
Weapons Dismantlement and Disposition	600	600	500
Production Operations	25,783	25,783	34,081
Nuclear Enterprise Assurance	3,977	3,977	4,000
Stockpile Management	97,197	97,197	112,194
21-D-511, Savannah River Plutonium Processing Facility, SRS	1,200,000	1,200,000	1,200,000
Savannah River Plutonium Modernization	1,200,000	1,200,000	1,200,000
Plutonium Modernization	1,200,000	1,200,000	1,200,000
Primary Capability Modernization	1,200,000	1,200,000	1,200,000
Tritium & Domestic Uranium Enrichment	92,087	122,300	141,003
18-D-650 Tritium Finishing Facility, SRS	73,300	73,300	0
Tritium and Domestic Uranium Enrichment	165,387	195,600	141,003
Capability Based Investments	9,420	9,420	5,000
Production Modernization	1,374,807	1,405,020	1,346,003
Enhanced Capabilities for Subcritical Experiments	1,375	725	725
Assessment Science	1,375	725	725
Aging and Lifetimes	5,514	3,706	2,550
Engineering and Integrated Assessments	5,514	3,706	2,550
Weapon Technology Development	7,906	7,916	7,661
Weapons Technology and Manufacturing Maturation	7,906	7,916	7,661
Advanced Simulation and Computing	500	500	500
Advanced Simulation & Computing	500	500	500
Stockpile Research, Technology, and Engineering	15,295	12,847	11,436
Operations of Facilities	95,000	90,000	179,000
Safety and Environmental Operations	28	28	0
Maintenance and Repair of Facilities	40,000	36,000	77,000
Recapitalization (formerly Infrastructure and Safety)	7,558	2,200	26,410
Operating	142,586	128,228	282,410
Infrastructure and Operations	142,586	128,228	282,410
Operations and Maintenance - DNS	9,088	9,088	122,818
Defense Nuclear Security (DNS)	9,088	9,088	122,818
Information Technology and Cyber Security	6,274	7,770	15,296
Subtotal, Weapons Activities	1,645,247	1,660,150	1,890,157
Nuclear Material Removal and Elimination	8,125	8,125	1,950
Plutonium Disposition	70,104	70,104	31,115
Material Management and Minimization	78,229	78,229	33,065
International Nuclear Security	22	642	642
Radiological Security	0	79	79
Global Material Security	22	721	721
18-D-150, Surplus Plutonium Disposition Project, SRS	70,078	70,078	40,000
Nonproliferation Construction	70,078	70,078	40,000
Counterterrorism and Counterproliferation	2,533	2,560	4,895

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Savannah River Site FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Nuclear Counterterrorism & Incident Response	2,533	2,560	4,895
Subtotal, Defense Nuclear Nonproliferation	150,862	151,588	78,681
Advanced Nuclear Fuel Availability	2,190	2,190	3,285
Fuel Cycle Research & Development	2,190	2,190	3,285
Subtotal, Nuclear Energy	2,190	2,190	3,285
Environment, Health, Safety & Security	10	10	10
Environment, Health, Safety, and Security	10	10	10
Subtotal, Other Defense Activities	10	10	10
Nuclear Material	340,008	340,008	248,712
Solid Waste Stabilization and Disposition	45,509	45,509	49,258
Soil and Water Remediation	60,455	60,455	76,710
Risk Reduction Deactivation and Surveillance	21,463	21,463	23,858
Infrastructure and Land Management	18,429	18,429	2,000
Savannah River Risk Management Operations	485,864	485,864	400,538
18-D-402 Emergency Operations Center Replacement, SR	25,568	25,568	0
19-D-701 SR Security Systems Replacement	12,000	12,000	6,000
Construction - Savannah River Risk Management Operations	37,568	37,568	6,000
Total, Savannah River Risk Management Operations	523,432	523,432	406,538
Radioactive Liquid Tank Waste Stabilization and Disposition	851,660	851,660	971,235
18-D-401 Saltstone disposal unit #8/9	49,832	49,832	0
20-D-401 Saltstone Disposal Unit #10, 11, 12	37,668	37,668	82,500
Construction - Savannah River Sites	87,500	87,500	82,500
Savannah River Legacy Pensions	132,294	132,294	0
Savannah River Sites	1,594,886	1,594,886	1,460,273
Subtotal, Defense Environmental Cleanup	1,594,886	1,594,886	1,460,273
<b>Total Savannah River Site</b>	<b>3,393,195</b>	<b>3,408,824</b>	<b>3,432,406</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Savannah River Site Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Savannah River Site Office</b>			
Environment, Health, Safety & Security	500	500	500
Environment, Health, Safety, and Security	500	500	500
Subtotal, Other Defense Activities	500	500	500
<b>Total Savannah River Site Office</b>	<b>500</b>	<b>500</b>	<b>500</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Separations Process Research Unit FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Separations Process Research Unit</b>			
Separations Processing Research Unit	15,300	15,300	845
NNSA Sites and Nevada Off-Sites	15,300	15,300	845
Subtotal, Defense Environmental Cleanup	15,300	15,300	845
<b>Total Separations Process Research Unit</b>	<b>15,300</b>	<b>15,300</b>	<b>845</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**SLAC National Accelerator Laboratory FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>SLAC National Accelerator Laboratory</b>			
Dynamic Materials Properties	1,500	0	8,500
Assessment Science	1,500	0	8,500
DP2000000, Inertial Confinement Fusion	180	180	180
Inertial Confinement Fusion	180	180	180
Stockpile Research, Technology, and Engineering	1,680	180	8,680
Subtotal, Weapons Activities	1,680	180	8,680
Proliferation Detection R&D	1,125	1,034	1,131
Forensics R&D	275	275	234
Defense Nuclear Nonproliferation R&D	1,400	1,309	1,365
Subtotal, Defense Nuclear Nonproliferation	1,400	1,309	1,365
Research - Advanced Scientific Computing Research	450	0	0
Advanced Scientific Computing Research	450	0	0
Research - Basic Energy Sciences	259,242	299,104	342,700
21-SC-10, Cryomodule Repair and Maintenance Facility, SLAC	10,000	9,000	20,000
18-SC-13, Linac Coherent Light Source-II-High Energy (LCLS-II-HE), SLAC	90,000	120,000	100,000
Construction - Basic Energy Sciences	100,000	129,000	120,000
Basic Energy Sciences	359,242	428,104	462,700
Research - Biological & Environmental Research	7,783	6,936	3,416
Biological and Environmental Research	7,783	6,936	3,416
Research - Fusion Energy Sciences	5,288	7,500	6,585
20-SC-61, Matter in Extreme Conditions (MEC) Petawatt Upgrade, SLAC	11,000	10,000	10,000
Construction - Fusion Energy Sciences	11,000	10,000	10,000
Fusion Energy Sciences	16,288	17,500	16,585
Research - High Energy Physics	97,474	91,341	89,285
High Energy Physics	97,474	91,341	89,285
Operations and Maintenance - Nuclear Physics	1,166	1,166	1,440
Nuclear Physics	1,166	1,166	1,440
Research - Accelerator R&D and Production	100	806	1,098
Accelerator R&D and Production	100	806	1,098
Facilities and Infrastructure (SLI)	0	8,300	15,769
20-SC-75, Large Scale Collaboration Center, SLAC (19-SC-75)	21,000	0	0
20-SC-79, Critical Utilities Infrastructure Revitalization, SLAC (20-SC-81)	25,425	30,000	20,000
Construction - Science Laboratories Infrastructure	46,425	30,000	20,000
Science Laboratories Infrastructure	46,425	38,300	35,769
Safeguards and Security - SC	8,890	8,072	8,687
Subtotal, Science	537,818	592,225	618,980
Vehicle Technologies	7,000	7,000	7,720
Bioenergy Technologies	375	375	375
Hydrogen and Fuel Cells Technologies	500	500	500
Sustainable Transportation and Fuels	7,875	7,875	8,595
Advanced Materials & Manufacturing Technologies Office	5,000	5,000	1,000
Building Technologies	0	0	200
Buildings & Industry (formerly Energy Efficiency)	5,000	5,000	1,200
Subtotal, Energy Efficiency and Renewable Energy	12,875	12,875	9,795
Transmission Reliability and Resilience	2,025	0	2,244
Resilient Distribution Systems	1,078	0	1,300
Grid Controls and Communications	3,103	0	3,544
Energy Storage R&D	277	0	300



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
SLAC National Accelerator Laboratory FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Energy Storage	277	0	300
Grid Hardware, Components, and Systems	277	0	300
Subtotal, Electricity	3,380	0	3,844
Carbon Dioxide Removal	235	235	302
Carbon Management Technologies	235	235	302
Mineral Sustainability	778	778	1,127
Resource Sustainability	778	778	1,127
Subtotal, Fossil Energy and Carbon Management	1,013	1,013	1,429
<b>Total SLAC National Accelerator Laboratory</b>	<b>558,166</b>	<b>607,602</b>	<b>644,093</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**SLAC Site Office FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>SLAC Site Office</b>			
Program Direction - SC	2,199	3,215	3,294
Subtotal, Science	2,199	3,215	3,294
<b>Total SLAC Site Office</b>	<b>2,199</b>	<b>3,215</b>	<b>3,294</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Southwestern Power Administration Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Southwestern Power Administration Office</b>			
Operation And Maintenance - SWPA	15,517	16,759	0
Construction - SWPA	16,035	13,806	0
Purchase Power And Wheeling - SWPA	93,000	120,000	0
Program Direction - SWPA	38,250	39,172	0
Subtotal, SWPA	162,802	189,737	0
Subtotal, Southwestern Power Administration	162,802	189,737	0
<b>Total Southwestern Power Administration Office</b>	<b>162,802</b>	<b>189,737</b>	<b>0</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Strategic Petroleum Reserve - Bayou Choctow FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Strategic Petroleum Reserve - Bayou Choctow</b>			
Strategic Petroleum Reserve (SPR)	13,687	13,687	17,794
Subtotal, Strategic Petroleum Reserve	13,687	13,687	17,794
Subtotal, Petroleum Reserves	13,687	13,687	17,794
<b>Total Strategic Petroleum Reserve - Bayou Choctow</b>	<b>13,687</b>	<b>13,687</b>	<b>17,794</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Strategic Petroleum Reserve - Big Hill FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Strategic Petroleum Reserve - Big Hill</b>			
Strategic Petroleum Reserve (SPR)	19,827	19,827	24,731
Subtotal, Strategic Petroleum Reserve	19,827	19,827	24,731
Subtotal, Petroleum Reserves	19,827	19,827	24,731
<b>Total Strategic Petroleum Reserve - Big Hill</b>	<b>19,827</b>	<b>19,827</b>	<b>24,731</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Strategic Petroleum Reserve - Bryan Mound FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Strategic Petroleum Reserve - Bryan Mound</b>			
Strategic Petroleum Reserve (SPR)	19,162	19,162	27,016
Subtotal, Strategic Petroleum Reserve	19,162	19,162	27,016
Subtotal, Petroleum Reserves	19,162	19,162	27,016
<b>Total Strategic Petroleum Reserve - Bryan Mound</b>	<b>19,162</b>	<b>19,162</b>	<b>27,016</b>

DEPARTMENT OF ENERGY

Laboratory Table

Strategic Petroleum Reserve - West Hackberry FY 2025

(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Strategic Petroleum Reserve - West Hackberry</b>			
Strategic Petroleum Reserve (SPR)	20,142	20,142	33,652
Subtotal, Strategic Petroleum Reserve	20,142	20,142	33,652
Subtotal, Petroleum Reserves	20,142	20,142	33,652
<b>Total Strategic Petroleum Reserve - West Hackberry</b>	<b>20,142</b>	<b>20,142</b>	<b>33,652</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Strategic Petroleum Reserve Project Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Strategic Petroleum Reserve Project Office</b>			
SPR - Petroleum Account	100	100	100
Strategic Petroleum Reserve (SPR)	105,477	105,477	122,490
Subtotal, Strategic Petroleum Reserve	105,477	105,477	122,490
Subtotal, Petroleum Reserves	105,577	105,577	122,590
<b>Total Strategic Petroleum Reserve Project Office</b>	<b>105,577</b>	<b>105,577</b>	<b>122,590</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Thomas Jefferson National Accelerator Facility FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Thomas Jefferson National Accelerator Facility</b>			
Radiological Security	0	92	92
Global Material Security	0	92	92
Proliferation Detection R&D	0	517	566
Defense Nuclear Nonproliferation R&D	0	517	566
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>0</b>	<b>609</b>	<b>658</b>
Research - Advanced Scientific Computing Research	0	669	669
24-SC-20, High Performance Data Facility	0	0	11,000
Advanced Scientific Computing Research	0	669	11,669
Research - Basic Energy Sciences	0	0	200
Basic Energy Sciences	0	0	200
Operations and Maintenance - Nuclear Physics	165,854	149,769	157,522
Nuclear Physics	165,854	149,769	157,522
Research - Accelerator R&D and Production	427	81	911
Accelerator R&D and Production	427	81	911
Facilities and Infrastructure (SLI)	2,750	0	0
22-SC-72, Thomas Jefferson Infrastructure Improvements, TJNAF	1,000	0	0
20-SC-73, CEBAF Renovation and Expansion, TJNAF (19-SC-73)	15,000	11,000	11,000
Construction - Science Laboratories Infrastructure	16,000	11,000	11,000
Science Laboratories Infrastructure	18,750	11,000	11,000
Safeguards and Security - SC	5,987	5,402	6,323
<b>Subtotal, Science</b>	<b>191,018</b>	<b>166,921</b>	<b>187,625</b>
<b>Total Thomas Jefferson National Accelerator Facility</b>	<b>191,018</b>	<b>167,530</b>	<b>188,283</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Thomas Jefferson Site Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Thomas Jefferson Site Office</b>			
Program Direction - SC	2,218	2,411	2,468
Subtotal, Science	2,218	2,411	2,468
<b>Total Thomas Jefferson Site Office</b>	<b>2,218</b>	<b>2,411</b>	<b>2,468</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Undesignated Lab/Plant/Installation FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Undesignated Lab/Plant/Installation</b>			
Research - Advanced Scientific Computing Research	85,078	107,451	112,451
Advanced Scientific Computing Research	85,078	107,451	112,451
Research - Basic Energy Sciences	372,075	279,458	330,774
Basic Energy Sciences	372,075	279,458	330,774
Research - Biological & Environmental Research	93,918	31,240	82,239
Biological and Environmental Research	93,918	31,240	82,239
Research - Fusion Energy Sciences	54,842	25,148	0
Fusion Energy Sciences	54,842	25,148	0
Research - High Energy Physics	40,602	46,848	49,002
High Energy Physics	40,602	46,848	49,002
Operations and Maintenance - Nuclear Physics	63,551	56,378	49,129
Nuclear Physics	63,551	56,378	49,129
Research - Accelerator R&D and Production	6,916	6,258	1,116
Accelerator R&D and Production	6,916	6,258	1,116
Workforce Development for Teachers & Scientists	42,000	42,100	43,100
Facilities and Infrastructure (SLI)	50	2,218	15,280
Laboratory Operations Internship	0	0	5,000
Science Laboratories Infrastructure	50	2,218	20,280
Safeguards and Security - SC	19,031	49,668	38,939
<b>Subtotal, Science</b>	<b>778,063</b>	<b>646,767</b>	<b>727,030</b>
Battery and Critical Materials (MESC)	0	0	53,350
Analysis and Strategic Investment (MESC)	0	0	15,000
Program Direction - MESC	1,000	1,000	20,000
<b>Subtotal, Manufacturing &amp; Energy Supply Chains (MESC)</b>	<b>1,000</b>	<b>1,000</b>	<b>88,350</b>
<b>Total Undesignated Lab/Plant/Installation</b>	<b>779,063</b>	<b>647,767</b>	<b>815,380</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
University of Rochester FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>University of Rochester</b>			
DP2000000, Inertial Confinement Fusion	86,100	86,641	92,648
Inertial Confinement Fusion	86,100	86,641	92,648
Stockpile Research, Technology, and Engineering	86,100	86,641	92,648
Subtotal, Weapons Activities	86,100	86,641	92,648
<b>Total University of Rochester</b>	<b>86,100</b>	<b>86,641</b>	<b>92,648</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Washington Headquarters FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Washington Headquarters</b>			
B61-12 LEP	0	0	413
W88 ALT 370	2	2	1,584
W80-4 LEP	0	0	9,566
W80-4 ALT-SLCM	20,000	20,000	0
W87-1 Modification Program	0	0	23,634
W93 Program	0	0	13,673
B61-13	0	0	240
Stockpile Major Modernization	20,002	20,002	49,110
MB0600000, Stockpile Sustainment	81,284	81,284	48,772
Stockpile Sustainment	81,284	81,284	48,772
Weapons Dismantlement and Disposition	23,034	23,034	1,800
Production Operations	1,000	1,000	14,360
Nuclear Enterprise Assurance	750	750	4,500
Stockpile Management	126,070	126,070	118,542
Los Alamos Pit Production (formerly Los Alamos Plutonium Operations)	9,976	9,976	14,019
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL	5,000	5,000	0
Los Alamos Plutonium Modernization	14,976	14,976	14,019
Savannah River Pit Production (formerly Savannah River Plutonium Operations)	758	758	1,130
Savannah River Plutonium Modernization	758	758	1,130
Enterprise Pit Production Support (formerly Enterprise Plutonium Support)	1,157	1,157	1,751
Plutonium Modernization	16,891	16,891	16,900
High Explosives & Energetics	34,380	34,380	51,145
HE & Energetics	34,380	34,380	51,145
Primary Capability Modernization	51,271	51,271	68,045
Secondary Capability Modernization (SCM)	64,370	64,370	116,597
Secondary Capability Modernization	64,370	64,370	116,597
Tritium & Domestic Uranium Enrichment	31,140	32,764	120,715
Tritium and Domestic Uranium Enrichment	31,140	32,764	120,715
Non-Nuclear Capability Modernization	5,484	5,484	13,781
Total, Non-Nuclear Capability Modernization	5,484	5,484	13,781
Capability Based Investments	5,492	5,492	13,246
Production Modernization	157,757	159,381	332,384
Primary Assessment Technologies	5,083	5,253	6,965
Dynamic Materials Properties	3,927	2,786	6,035
Secondary Assessment Technologies	1,540	2,253	2,034
Enhanced Capabilities for Subcritical Experiments	9,352	2,437	5,092
Hydrodynamic and Subcritical Experiment Execution Support	4,080	2,737	9,673
17-D-640, U1a Complex Enhancements Project, NNSS	5,000	5,000	3,500
Assessment Science	28,982	20,466	33,299
Archiving and Support	514	659	595
Delivery Environments	1,906	1,965	1,804
Studies and Assessments	65	75	11,069
Aging and Lifetimes	1,038	1,308	901
Stockpile Responsiveness	829	955	1,049
Advanced Certification and Qualification	544	872	884
Engineering and Integrated Assessments	4,896	5,834	16,302
DP2000000, Inertial Confinement Fusion	11,959	11,374	14,884
Inertial Confinement Fusion	11,959	11,374	14,884

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Washington Headquarters FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Weapon Technology Development	3,649	4,293	3,706
Weapons Technology and Manufacturing Maturation	3,649	4,293	3,706
Advanced Simulation and Computing	231,401	191,855	242,417
Advanced Simulation & Computing	231,401	191,855	242,417
Stockpile Research, Technology, and Engineering	280,887	233,822	310,608
Operations of Facilities	53,000	85,000	24,000
Safety and Environmental Operations	2,331	2,331	42,797
Maintenance and Repair of Facilities	86,617	95,617	128,000
Recapitalization (formerly Infrastructure and Safety)	150,556	251,635	306,846
Operating	292,504	434,583	501,643
Infrastructure and Operations	292,504	434,583	501,643
Program Direction - STA - Federal Support	129,810	129,810	134,910
Secure Transportation Asset	129,810	129,810	134,910
Operations and Maintenance - DNS	92,310	92,310	107,854
Defense Nuclear Security (DNS)	92,310	92,310	107,854
Information Technology and Cyber Security	217,556	191,342	329,257
<b>Subtotal, Weapons Activities</b>	<b>1,296,894</b>	<b>1,367,318</b>	<b>1,835,198</b>
Reactor Conversion and Uranium Supply	47,929	47,929	23,309
Nuclear Material Removal and Elimination	773	773	0
Plutonium Disposition	3,100	3,100	0
Material Management and Minimization	51,802	51,802	23,309
International Nuclear Security	20,069	6,744	6,744
Radiological Security	3,169	8,277	8,277
Nuclear Smuggling Detection and Deterrence	2,415	9,136	9,684
Global Material Security	25,653	24,157	24,705
Nonproliferation & Arms Control	20,295	15,738	12,189
Proliferation Detection R&D	15,296	32,000	24,679
Nuclear Detonation Detection	2,925	5,620	6,500
Nonproliferation Fuels Development	260	260	0
Forensics R&D	1,445	3,550	3,017
Nonproliferation Stewardship Program	2,007	5,202	5,196
Defense Nuclear Nonproliferation R&D	21,933	46,632	39,392
NNSA Bioassurance Program	305	305	0
18-D-150, Surplus Plutonium Disposition Project, SRS	1,584	1,584	0
Nonproliferation Construction	1,584	1,584	0
Emergency Management (formerly Emergency Operations)	25,602	27,365	21,761
Counterterrorism and Counterproliferation	40,178	53,877	97,987
Nuclear Counterterrorism & Incident Response	65,780	81,242	119,748
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>187,352</b>	<b>221,460</b>	<b>219,343</b>
Naval Reactors Development	1,710	1,710	1,780
Naval Reactors Operations and Infrastructure	14,930	14,930	17,020
Program Direction - Naval Reactors	41,734	41,734	44,166
<b>Subtotal, Naval Reactors</b>	<b>58,374</b>	<b>58,374</b>	<b>62,966</b>
Program Direction - National Nuclear Security Administration	357,847	352,515	403,413
<b>Subtotal, Federal Salaries and Expenses</b>	<b>357,847</b>	<b>352,515</b>	<b>403,413</b>
Research - Biological & Environmental Research	0	138	138
Biological and Environmental Research	0	138	138
Research - Fusion Energy Sciences	0	0	3,296
Fusion Energy Sciences	0	0	3,296
Research - Isotope R&D and Production	85,451	132,651	135,000

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Washington Headquarters FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
20-SC-51, U.S. Stable Isotope Production and Research Center (SIPRC), ORNL	24,000	20,900	45,900
24-SC-92, Clinical Alpha Radionuclide Producer (CARP), BNL	0	0	1,000
24-SC-91, Radioisotope Processing Facility (RPF), ORNL	0	0	2,000
Construction - Isotope R&D and Production	24,000	20,900	48,900
Isotope R&D and Production	109,451	153,551	183,900
Program Direction - SC	125,195	141,272	147,277
<b>Subtotal, Science</b>	<b>234,646</b>	<b>294,961</b>	<b>334,611</b>
Vehicle Technologies	22,375	22,375	24,676
Bioenergy Technologies	17,000	17,000	55,000
Hydrogen and Fuel Cells Technologies	0	0	15,600
Sustainable Transportation and Fuels	39,375	39,375	95,276
Renewable Energy Integration	0	0	5,800
Solar Energy Technologies	25,000	25,000	62,000
Wind Energy Technologies	24,477	24,477	25,211
Water Power Technologies	38,160	38,160	47,000
Geothermal Technologies	16,653	16,653	10,000
Renewable Energy	104,290	104,290	150,011
Industrial Efficiency & Decarbonization Office	39,550	39,550	45,000
Advanced Materials & Manufacturing Technologies Office	11,657	11,657	50,000
Building Technologies	104,690	104,690	77,500
Buildings & Industry (formerly Energy Efficiency)	155,897	155,897	172,500
Program Direction - Energy Efficiency and Renewable Energy	135,612	135,612	141,024
Total Program Direction (EERE)	135,612	135,612	141,024
Strategic Programs	7,417	7,417	7,000
Corporate Support	143,029	143,029	148,024
<b>Subtotal, Energy Efficiency and Renewable Energy</b>	<b>442,591</b>	<b>442,591</b>	<b>565,811</b>
Federal Energy Management Program (FEMP)	10,056	7,067	14,741
Program Direction - FEMP	14,000	14,000	17,200
<b>Subtotal, Federal Energy Management Program (FEMP)</b>	<b>24,056</b>	<b>21,067</b>	<b>31,941</b>
Facility and Workforce Assistance (MESC)	208	2,118	2,118
<b>Subtotal, Manufacturing &amp; Energy Supply Chains (MESC)</b>	<b>208</b>	<b>2,118</b>	<b>2,118</b>
Training and Technical Assistance (SCEP)	1,925	1,600	1,600
State Energy Program Grants (SCEP)	1,620	1,375	1,175
Program Direction - SCEP	21,100	21,000	39,000
IWG (SCEP)	0	0	1,000
<b>Subtotal, State and Community Programs (SCEP)</b>	<b>24,645</b>	<b>23,975</b>	<b>42,775</b>
Transmission Reliability and Resilience	122	734	0
Energy Delivery Grid Operations Technology	0	267	0
Resilient Distribution Systems	1,153	1,872	1,000
Cyber Resilient & Secure Utility Communications Network (SecureNet)	0	7	0
Grid Controls and Communications	1,275	2,880	1,000
Energy Storage R&D	80	513	500
Energy Storage	80	513	500
Transformer Resilience and Advanced Components	200	223	200
Applied Grid Transformation Solutions	665	692	600
Grid Hardware, Components, and Systems	945	1,428	1,300
Grid Technical Assistance	6,300	6,300	0
<b>Subtotal, Grid Deployment Office (OE)</b>	<b>6,300</b>	<b>6,300</b>	<b>0</b>
Program Direction - OE	8,609	14,658	16,431
Program Direction - GDO	4,582	4,582	0

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Washington Headquarters FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Total Program Direction (OE)	13,191	19,240	16,431
Subtotal, Electricity	21,711	29,848	18,731
Transmission Planning & Permitting (GDO)	0	0	3,528
Wholesale Electricity Market Technical Assistance and Grants (GDO)	100	100	0
Distribution & Markets (GDO)	0	0	5,063
Program Direction GDO	0	0	11,132
Subtotal, Grid Deployment Office	100	100	19,723
Risk Management Technology and Tools (270)	400	400	341
Response and Restoration (270)	4,150	4,150	5,954
Policy, Preparedness, and Risk Analysis (270)	3,414	3,415	3,622
Program Direction - CESER (270)	21,249	21,098	27,794
Subtotal, Cybersecurity, Energy Security, and Emergency Response	29,213	29,063	37,711
Naval Petroleum and Oil Shale Reserve	2,000	2,000	2,000
Subtotal, Naval Petroleum & Oil Shale Reserves	2,000	2,000	2,000
Strategic Petroleum Reserve (SPR)	8,930	8,930	10,400
Subtotal, Strategic Petroleum Reserve	8,930	8,930	10,400
Northeast Home Heating Oil Reserves	960	960	1,075
Subtotal, Petroleum Reserves	11,890	11,890	13,475
Hydrogen with Carbon Management	4,460	4,460	3,991
Carbon Transport and Storage	2,815	2,815	2,488
Carbon Dioxide Removal	36,978	36,978	47,649
Carbon Utilization	35,034	35,034	0
Carbon Dioxide Conversion	0	0	42,040
Carbon Capture	7,855	7,855	0
Point-Source Carbon Capture	0	0	5,597
Carbon Management - Policy, Analysis and Engagement (previous 2 controls)	0	0	7,000
Carbon Management Technologies	87,142	87,142	108,765
Advanced Remediation Technologies	3,268	3,268	891
Methane Mitigation Technologies	428	428	541
Natural Gas Decarbonization and Hydrogen Technologies	75	75	70
Mineral Sustainability	1,748	1,748	2,531
Resource Sustainability - Analysis and Engagement	0	0	2,000
Resource Sustainability	5,519	5,519	6,033
Energy Asset Transformation (formerly Repurposing Fossil Energy Assets)	3,892	3,892	3,892
University Training and Research (previous 2 controls)	1,060	1,060	1,550
Special Recruitment Programs	114	114	114
Program Direction - Fossil Energy	41,019	41,019	56,839
NETL Infrastructure - Fossil Energy	5,671	5,671	5,258
NETL Research and Operations - Fossil Energy	2,719	2,719	2,969
Subtotal, Fossil Energy and Carbon Management	147,136	147,136	185,420
Advanced SMR R&D	46,275	50,000	0
LWR Sustainability	900	900	900
Advanced Reactor Technologies	13,968	2,000	3,000
Reactor Concepts RD&D	61,143	52,900	3,900
Mining, Conversion, and Transportation	8	2,000	2,000
Materials Recovery and Waste Form Development	542	542	22
Accident Tolerant Fuels	2,190	2,190	0
TRISO and Graphite Qualification	239	239	0
Advanced Nuclear Fuel Availability	51,437	77,759	116,637
Used Nuclear Fuel Disposition R&D	205	1,823	96



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Washington Headquarters FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Integrated Waste Management System	1,466	0	0
Next Generation Fuels	0	0	196
Fuel Cycle Research & Development	56,087	84,553	118,951
Crosscutting Technology Development	649	2,562	0
Joint Modeling and Simulation Program	2,466	2,321	2,330
Nuclear Science User Facility	500	780	780
Gateway for Accelerated Innovation in Nuclear	0	0	2,500
Advanced Sensors and Instrumentation	0	0	250
Nuclear Energy Enabling Technologies	3,615	5,663	5,860
National Reactor Innovation Center	3,780	1,000	1,000
Regulatory Development	98	200	3,200
Advanced Reactor Safeguards	92	700	1,620
Advanced Reactors Demonstration Program	3,970	1,900	5,820
INL Facilities Operations and Maintenance	1,197	1,197	1,671
Infrastructure	1,197	1,197	1,671
International Nuclear Energy Cooperation	126	126	2,554
Program Direction - Nuclear Energy	45,002	45,002	54,709
<b>Subtotal, Nuclear Energy</b>	<b>171,140</b>	<b>191,341</b>	<b>193,465</b>
Nuclear Waste Fund Oversight	8,000	8,000	8,000
<b>Subtotal, Nuclear Waste Disposal</b>	<b>8,000</b>	<b>8,000</b>	<b>8,000</b>
Office of the Secretary	6,642	6,737	7,215
Congressional & Intergovernmental Affairs	5,000	7,198	7,112
Office of the Chief Financial Officer	62,283	67,345	67,345
Economic Impact & Diversity	34,140	53,665	36,530
Office of International Affairs	32,000	50,142	37,874
Chief Information Officer - Information Management	215,000	245,169	229,434
Chief Information Officer	215,000	245,169	229,434
Industrial Emissions and Technology Coordination (DA)	0	0	2,000
Office of Management	66,000	103,245	77,000
Project Management Oversight & Assessments	13,550	14,953	16,312
Office of Human Capital Management	35,300	40,144	39,000
Office of Small & Disadvantaged Business Utilization	4,200	5,472	5,241
General Counsel	41,725	45,630	41,725
Office of Policy	23,950	52,037	34,138
Public Affairs	6,436	5,965	7,972
Other Departmental Administration	191,161	267,446	221,388
<b>Subtotal, Departmental Administration (Gross)</b>	<b>546,226</b>	<b>697,702</b>	<b>608,898</b>
<b>Subtotal, Departmental Administration</b>	<b>546,226</b>	<b>697,702</b>	<b>608,898</b>
Program Direction - Environment, Health, Safety and Security	76,685	76,685	90,555
Environment, Health, Safety & Security	122,335	122,335	124,892
Environment, Health, Safety, and Security	199,020	199,020	215,447
Program Direction - Office of Enterprise Assessments	57,941	57,941	64,132
Enterprise Assessments	27,186	27,186	29,722
Office of Enterprise Assessments	85,127	85,127	93,854
Specialized Security Activities Program Direction	335,000	335,000	390,000
Specialized Security Activities	335,000	335,000	390,000
Legacy Management Activities - Defense	46,693	46,693	56,222
Program Direction - Legacy Management	21,983	21,983	23,969
Legacy Management	68,676	68,676	80,191
Office Of Hearings And Appeals	4,477	4,477	4,499

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Washington Headquarters FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Subtotal, Other Defense Activities	692,300	692,300	783,991
Technology Transitions Program Office	510	600	0
Office of Technology Transitions Program Direction	11,166	12,683	12,683
Foundation for Energy Security and Innovation	0	0	3,000
Subtotal, Office of Technology Transitions	11,676	13,283	15,683
ARPA-E Projects	433,000	433,000	408,000
Program Direction - ARPA-E	37,000	37,000	42,000
Subtotal, Advanced Research Projects Agency - Energy	470,000	470,000	450,000
Energy Information Administration (EIA)	135,000	135,000	141,653
Loan Guarantee Program	65,390	63,206	51,770
Subtotal, Title XVII Loan Guarantee	65,390	63,206	51,770
Administrative Expenses - Tribal Energy Loan Guarantee Program	1,990	1,990	6,290
Tribal Energy Loan Guarantee Credit Subsidy	2,000	2,000	0
Subtotal, Tribal Energy Loan Guarantee	3,990	3,990	6,290
Advanced Technology Vehicle Manufacturing Loan Program	9,705	9,705	25,271
Subtotal, Advanced Technology Vehicles Manufacturing Loan	9,705	9,705	25,271
Total Loan Program Office	79,085	76,901	83,331
Program Direction - Defense Environmental Cleanup	101,273	101,273	110,647
Program Support - Defense Environmental Cleanup	82,283	82,283	105,885
Safeguards and Security - Defense Environmental Cleanup	0	0	10,000
Technology Development and Deployment	40,000	40,000	30,600
Subtotal, Defense Environmental Cleanup	223,556	223,556	257,132
Management and Storage of Elemental Mercury	2,100	2,100	0
Subtotal, Non-Defense Environmental Cleanup	2,100	2,100	0
Title X Uranium Thorium Reimbursement Program	14,800	14,800	5,000
Subtotal, Uranium Enrichment D&D	14,800	14,800	5,000
Clean Energy Demonstrations	14,000	0	0
Program Direction - OCED	25,000	25,000	80,000
Subtotal, Office of Clean Energy Demonstrations	39,000	25,000	80,000
Program Direction - Office of Inspector General	86,000	86,000	149,000
Subtotal, Inspector General	86,000	86,000	149,000
Energy Projects (HEWD)	0	0	5,000
<b>Total Washington Headquarters</b>	<b>5,315,546</b>	<b>5,638,399</b>	<b>6,554,389</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Waste Isolation Pilot Plant FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Waste Isolation Pilot Plant</b>			
Plutonium Disposition	16,150	16,150	14,536
Material Management and Minimization	16,150	16,150	14,536
Radiological Security	0	1,219	1,219
Global Material Security	0	1,219	1,219
Nonproliferation & Arms Control	267	250	340
Counterterrorism and Counterproliferation	67	0	0
Nuclear Counterterrorism & Incident Response	67	0	0
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>16,484</b>	<b>17,619</b>	<b>16,095</b>
Waste Isolation Pilot Plant (WIPP)	353,424	353,424	413,874
15-D-411 Safety Significant Confinement Ventilation System, WIPP	59,073	59,073	10,346
15-D-412 Utility Shaft, WIPP	46,200	46,200	1,200
Construction - Waste Isolation Pilot Plant	105,273	105,273	11,546
<b>Total Waste Isolation Pilot Plant</b>	<b>458,697</b>	<b>458,697</b>	<b>425,420</b>
<b>Subtotal, Defense Environmental Cleanup</b>	<b>458,697</b>	<b>458,697</b>	<b>425,420</b>
<b>Total Waste Isolation Pilot Plant</b>	<b>475,181</b>	<b>476,316</b>	<b>441,515</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Weldon Spring Site Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Weldon Spring Site Office</b>			
Legacy Management Activities - Defense	5,131	5,131	4,473
Legacy Management	5,131	5,131	4,473
Subtotal, Other Defense Activities	5,131	5,131	4,473
<b>Total Weldon Spring Site Office</b>	<b>5,131</b>	<b>5,131</b>	<b>4,473</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
West Valley Demonstration Project FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>West Valley Demonstration Project</b>			
Safeguards and Security - Defense Environmental Cleanup	5,984	5,984	7,808
Subtotal, Defense Environmental Cleanup	5,984	5,984	7,808
West Valley Demonstration Project - NDEC	89,882	89,882	88,949
Subtotal, Non-Defense Environmental Cleanup	89,882	89,882	88,949
<b>Total West Valley Demonstration Project</b>	<b>95,866</b>	<b>95,866</b>	<b>96,757</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Western Area Power Administration Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Western Area Power Administration Office</b>			
Operation And Maintenance - CROM	85,229	126,131	170,617
Construction And Rehabilitation - CROM	47,189	0	0
Purchase Power And Wheeling - CROM	715,824	715,824	688,345
Program Direction - CROM	277,287	285,323	319,946
Construction, Rehabilitation, Operation, and Maintenance (CROM) - WP	1,125,529	1,127,278	1,178,908
Subtotal, Western Area Power Administration	1,125,529	1,127,278	1,178,908
Falcon And Amistad Operation And Maintenance	7,928	7,928	8,210
Subtotal, Falcon & Amistad Operating & Maintenance	7,928	7,928	8,210
Program Direction - Colorado River Basins Fund	79,539	80,381	83,693
Equipment, Contracts and Related Expenses - Colorado River Basins Fund	178,927	454,857	500,538
Colorado River Basins Fund	258,466	535,238	584,231
Subtotal, Colorado River Basins Power Marketing Fund (CRBPMF)	258,466	535,238	584,231
<b>Total Western Area Power Administration Office</b>	<b>1,391,923</b>	<b>1,670,444</b>	<b>1,771,349</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Y-12 National Security Complex FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Y-12 National Security Complex</b>			
B61-12 LEP	28,000	28,000	0
W88 ALT 370	2,479	2,479	418
W80-4 LEP	33,660	33,660	55,993
W87-1 Modification Program	65,000	65,000	144,970
W93 Program	3,812	3,812	27,000
B61-13	0	0	15,760
Stockpile Major Modernization	132,951	132,951	244,141
MB0600000, Stockpile Sustainment	41,860	41,860	41,266
Stockpile Sustainment	41,860	41,860	41,266
Weapons Dismantlement and Disposition	7,363	7,363	16,000
Production Operations	107,151	107,151	124,832
Nuclear Enterprise Assurance	2,760	2,760	3,500
Stockpile Management	292,085	292,085	429,739
18-D-690, Lithium Processing Facility, Y-12	216,886	216,886	260,000
06-D-141, Uranium Processing Facility, Y-12	362,000	362,000	800,000
Secondary Capability Modernization (SCM)	393,969	393,969	553,628
Secondary Capability Modernization	972,855	972,855	1,613,628
Tritium & Domestic Uranium Enrichment	5,000	14,723	15,005
Tritium and Domestic Uranium Enrichment	5,000	14,723	15,005
Non-Nuclear Capability Modernization	248	248	323
Total, Non-Nuclear Capability Modernization	248	248	323
Capability Based Investments	15,300	15,300	16,000
Production Modernization	993,403	1,003,126	1,644,956
Archiving and Support	0	0	252
Studies and Assessments	0	31	2,000
Aging and Lifetimes	4,990	3,566	1,710
Stockpile Responsiveness	3,600	3,940	4,350
Advanced Certification and Qualification	1,281	1,081	1,300
Engineering and Integrated Assessments	9,871	8,618	9,612
Weapon Technology Development	5,831	5,789	7,915
Weapons Technology and Manufacturing Maturation	5,831	5,789	7,915
Advanced Simulation and Computing	1,000	1,750	1,750
Advanced Simulation & Computing	1,000	1,750	1,750
Stockpile Research, Technology, and Engineering	16,702	16,157	19,277
Operations of Facilities	104,000	102,000	118,000
Safety and Environmental Operations	19,895	19,895	23,249
Maintenance and Repair of Facilities	119,000	115,000	132,000
Recapitalization (formerly Infrastructure and Safety)	26,692	62,138	85,780
Operating	269,587	299,033	359,029
23-D-519, Special Material Facility, Y-12	49,500	49,500	0
Mission Enabling Construction	49,500	49,500	0
I&O - Construction	49,500	49,500	0
Infrastructure and Operations	319,087	348,533	359,029
Operations and Maintenance - DNS	197,688	197,688	220,705
17-D-710, West End Protected Area Reduction Project, Y-12	3,928	3,928	54,000
Construction - Defense Nuclear Security	3,928	3,928	54,000
Defense Nuclear Security (DNS)	201,616	201,616	274,705
Information Technology and Cyber Security	12,948	10,134	19,868

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Y-12 National Security Complex FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Subtotal, Weapons Activities</b>	<b>1,835,841</b>	<b>1,871,651</b>	<b>2,747,574</b>
Reactor Conversion and Uranium Supply	27,823	27,823	26,265
Nuclear Material Removal and Elimination	6,569	6,569	3,250
Plutonium Disposition	2,292	2,292	300
Material Management and Minimization	36,684	36,684	29,815
International Nuclear Security	2,611	3,843	3,844
Radiological Security	16,510	11,965	11,965
Nuclear Smuggling Detection and Deterrence	1,896	2,041	2,163
Global Material Security	21,017	17,849	17,972
Nonproliferation & Arms Control	4,780	4,800	6,582
Proliferation Detection R&D	2,115	1,356	1,482
Forensics R&D	700	700	595
Nonproliferation Stewardship Program	1,575	1,745	1,743
Defense Nuclear Nonproliferation R&D	4,390	3,801	3,820
Counterterrorism and Counterproliferation	3,204	3,158	4,559
Nuclear Counterterrorism & Incident Response	3,204	3,158	4,559
<b>Subtotal, Defense Nuclear Nonproliferation</b>	<b>70,075</b>	<b>66,292</b>	<b>62,748</b>
<b>Total Y-12 National Security Complex</b>	<b>1,905,916</b>	<b>1,937,943</b>	<b>2,810,322</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Y-12 Site Office FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Y-12 Site Office</b>			
Environment, Health, Safety & Security	20	20	20
Environment, Health, Safety, and Security	20	20	20
<b>Subtotal, Other Defense Activities</b>	<b>20</b>	<b>20</b>	<b>20</b>
14-D-403 Outfall 200 Mercury Treatment Facility	10,000	10,000	30,000
17-D-401 On-site Waste Disposal Facility	35,000	35,000	40,000
Construction - Oak Ridge	45,000	45,000	70,000
OR Technology Development and Deployment	3,000	3,000	3,300
Oak Ridge (OR)	48,000	48,000	73,300
<b>Subtotal, Defense Environmental Cleanup</b>	<b>48,000</b>	<b>48,000</b>	<b>73,300</b>
<b>Total Y-12 Site Office</b>	<b>48,020</b>	<b>48,020</b>	<b>73,320</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Grants FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Grants</b>			
Research - Advanced Scientific Computing Research	234,909	197,639	246,378
Advanced Scientific Computing Research	234,909	197,639	246,378
Research - Basic Energy Sciences	442,023	453,551	423,643
Basic Energy Sciences	442,023	453,551	423,643
Research - Biological & Environmental Research	221,260	144,188	136,668
Biological and Environmental Research	221,260	144,188	136,668
Research - Fusion Energy Sciences	337,814	393,056	474,764
Fusion Energy Sciences	337,814	393,056	474,764
Research - High Energy Physics	223,649	205,523	215,270
High Energy Physics	223,649	205,523	215,270
Operations and Maintenance - Nuclear Physics	202,061	203,100	223,100
Nuclear Physics	202,061	203,100	223,100
Research - Accelerator R&D and Production	13,052	13,009	15,620
Accelerator R&D and Production	13,052	13,009	15,620
<b>Subtotal, Science</b>	<b>1,674,768</b>	<b>1,610,066</b>	<b>1,735,443</b>
Weatherization Assistance Program (SCEP)	298,920	320,000	320,000
State Energy Program Grants (SCEP)	60,000	60,000	64,000
Weatherization Readiness Fund (SCEP)	30,000	30,000	45,000
<b>Subtotal, State and Community Programs (SCEP)</b>	<b>388,920</b>	<b>410,000</b>	<b>429,000</b>
Transmission Reliability and Resilience	3,786	3,375	4,306
Energy Delivery Grid Operations Technology	297	238	248
Resilient Distribution Systems	17,173	16,454	3,416
Cyber Resilient & Secure Utility Communications Network (SecureNet)	5,188	5,181	301
Grid Controls and Communications	26,444	25,248	8,271
Energy Storage R&D	33,974	33,541	23,118
Energy Storage	33,974	33,541	23,118
Transformer Resilience and Advanced Components	18,622	18,599	15,746
Applied Grid Transformation Solutions	5,172	5,145	3,027
Grid Hardware, Components, and Systems	57,768	57,285	41,891
Program Direction - OE	9,184	0	0
<b>Total Program Direction (OE)</b>	<b>9,184</b>	<b>0</b>	<b>0</b>
<b>Subtotal, Electricity</b>	<b>93,396</b>	<b>82,533</b>	<b>50,162</b>
Northeast Home Heating Oil Reserves	6,040	6,040	6,075
<b>Subtotal, Petroleum Reserves</b>	<b>6,040</b>	<b>6,040</b>	<b>6,075</b>
<b>Total Grants</b>	<b>2,163,123</b>	<b>2,108,639</b>	<b>2,220,680</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Undesignated LPI FY 2025**  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
<b>Undesignated LPI</b>			
Weatherization Assistance Program (SCEP)	27,080	6,000	6,000
Training and Technical Assistance (SCEP)	1,000	800	800
<b>Subtotal, State and Community Programs (SCEP)</b>	<b>28,080</b>	<b>6,800</b>	<b>6,800</b>
Transmission Reliability and Resilience	29	29,891	0
Energy Delivery Grid Operations Technology	416	30,495	667
Resilient Distribution Systems	342	36,674	34
Cyber Resilient & Secure Utility Communications Network (SecureNet)	4	9,812	199
Grid Controls and Communications	791	106,872	900
Energy Storage R&D	77	60,946	3,002
Energy Storage	77	60,946	3,002
Transformer Resilience and Advanced Components	291	8,678	554
Applied Grid Transformation Solutions	25	4,163	3,523
<b>Grid Hardware, Components, and Systems</b>	<b>393</b>	<b>73,787</b>	<b>7,079</b>
<b>Subtotal, Electricity</b>	<b>1,184</b>	<b>180,659</b>	<b>7,979</b>
NEUP, SBIR/STTR, and TCF	17,829	101,826	102,045
Directed R&D and University Programs	17,829	101,826	102,045
Mining, Conversion, and Transportation	1,992	0	0
TRISO and Graphite Qualification	2,551	2,551	0
Advanced Nuclear Fuel Availability	26,322	0	0
Used Nuclear Fuel Disposition R&D	0	125	1,012
Fuel Cycle Research & Development	30,865	2,676	1,012
Risk Reduction for Future Demonstrations	120,000	70,000	72,500
Advanced Reactor Demonstration Program (ARDP)	60,000	60,000	0
<b>Advanced Reactors Demonstration Program</b>	<b>180,000</b>	<b>130,000</b>	<b>72,500</b>
<b>Subtotal, Nuclear Energy</b>	<b>228,694</b>	<b>234,502</b>	<b>175,557</b>
Nuclear Waste Fund Oversight	1,175	1,175	1,175
<b>Subtotal, Nuclear Waste Disposal</b>	<b>1,175</b>	<b>1,175</b>	<b>1,175</b>
Artificial Intelligence and Technology Office	1,000	0	0
<b>Subtotal, Departmental Administration (Gross)</b>	<b>1,000</b>	<b>0</b>	<b>0</b>
<b>Subtotal, Departmental Administration</b>	<b>1,000</b>	<b>0</b>	<b>0</b>
Technology Transitions Program Office	2,876	6,035	4,635
<b>Subtotal, Office of Technology Transitions</b>	<b>2,876</b>	<b>6,035</b>	<b>4,635</b>
Indian Energy Policy & Programs	61,000	89,697	81,000
Program Direction - Indian Energy Program	14,000	20,353	14,000
<b>Subtotal, Indian Energy Policy and Programs</b>	<b>75,000</b>	<b>110,050</b>	<b>95,000</b>
Small Sites - NDEC	10,554	10,554	0
Mercury Receipts	3,000	3,000	3,000
Use of Mercury Receipts	-3,000	-3,000	-3,000
<b>Subtotal, Non-Defense Environmental Cleanup</b>	<b>10,554</b>	<b>10,554</b>	<b>0</b>
Defense Uranium Enrichment D&D Program	586,035	586,035	384,957
<b>Subtotal, Defense Uranium Enrichment D&amp;D</b>	<b>586,035</b>	<b>586,035</b>	<b>384,957</b>
Clean Energy Demonstrations	50,000	64,000	100,000
<b>Subtotal, Office of Clean Energy Demonstrations</b>	<b>50,000</b>	<b>64,000</b>	<b>100,000</b>
Purchase Power and Wheeling - SEPA	92,687	86,019	89,816
Program Direction - SEPA	8,273	8,449	9,127
<b>Subtotal, Southeastern Power Administration</b>	<b>100,960</b>	<b>94,468</b>	<b>98,943</b>
Operation And Maintenance - SWPA	0	0	16,910
Construction - SWPA	0	0	3,681

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Undesignated LPI FY 2025  
(Dollars in Thousands)

	FY 2023 Enacted	FY 2024 Annualized CR	FY 2025 President's Budget
Purchase Power And Wheeling - SWPA	0	0	120,000
Program Direction - SWPA	0	0	42,300
Subtotal, SWPA	0	0	182,891
Subtotal, Southwestern Power Administration	0	0	182,891
<b>Total Undesignated LPI</b>	<b>1,085,558</b>	<b>1,294,278</b>	<b>1,057,937</b>