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**DEPARTMENT OF ENERGY**  
**Laboratory Table Summary Report**  
FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Ames Laboratory	48,284	54,000	76,477
Ames Site Office	699	687	721
Argonne National Laboratory	823,550	794,706	865,611
Argonne Site Office	6,412	7,639	7,325
Battelle Savannah River Alliance	1,638	5,351	2,299
Berkeley Site Office	3,609	3,275	3,442
Bettis Atomic Power Laboratory	419,208	630,863	580,166
Brookhaven National Laboratory	663,814	673,417	681,901
Brookhaven Site Office	4,325	4,583	4,842
Carlsbad Area Office	20,280	21,148	24,478
Chicago Operations Office	59	59	58
Consolidated Business Center	96,611	93,694	97,737
Consolidated Service Center - Illinois	0	0	0
East Tennessee Technology Park (K25)	143,400	131,861	130,000
Energy Technology Engineering Center	21,340	26,409	44,135
Fermi National Accelerator Laboratory	621,995	686,594	760,264
Fermi Site Office	3,479	4,514	4,768
Fernald Environmental Management Project	1,076	1,062	500
Fernald Site	12,497	11,988	10,759
Golden Field Office	989,172	1,077,145	1,836,317
Grand Junction Office	52,606	41,856	56,188
Hanford Site	1,043,805	1,103,656	1,014,966
Idaho National Laboratory	1,488,462	1,567,394	1,594,278
Idaho Operations Office	400,113	438,731	319,589
Kansas City National Security Complex (KCNSC)	1,357,226	1,195,903	1,285,110
Kansas City Site Office	10,552	12,910	12,243
Knolls Atomic Power Laboratory	759,012	638,791	765,520
Lawrence Berkeley National Laboratory	944,968	1,059,707	1,044,101
Lawrence Livermore National Laboratory	2,331,240	2,349,394	2,359,091
Lexington Office	200	200	200
Livermore Site Office	17,669	36,040	20,340
Los Alamos National Laboratory	3,852,665	4,451,501	4,921,765
Los Alamos Site Office	19,550	22,947	23,572
Miamisburg Site	5	5	5
Moab Site	67,000	67,000	67,000
Mound Site	10,149	12,083	10,744
National Energy Technology Lab	940,815	1,113,534	1,101,750
National Renewable Energy Laboratory	632,173	671,899	821,549
Naval Petroleum Reserve No 1	11,650	11,004	11,010
Naval Reactors Facility	582,150	636,879	447,064
Naval Reactors Laboratory Field Office	16,485	16,791	17,460

**DEPARTMENT OF ENERGY**  
**Laboratory Table Summary Report**  
FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Naval Research Laboratory	9,000	9,300	4,500
Nevada Field Office	22,929	25,505	26,687
Nevada National Security Site	835,191	732,385	917,813
Nevada Operations Office	5,142	3,900	5,177
NNSA Albuquerque Complex	1,164,594	1,579,172	1,305,384
NNSA Production Office (NPO)	48,640	60,418	95,429
Northeast Gasoline Supply Reserve (NGSR) - South Portland	2,562	2,209	2,329
Northeast Gasoline Supply Reserve (NGSR) - Revere	4,977	0	0
Northeast Gasoline Supply Reserve (NGSR) - Raritan Bay	14,461	12,871	13,951
Oak Ridge Institute for Science & Education	38,773	39,955	40,644
Oak Ridge National Laboratory	2,094,196	2,123,906	2,185,099
Oak Ridge National Laboratory Site Office	5,175	7,705	8,085
Oak Ridge Office	18,142	20,508	20,496
Oak Ridge Reservation	73,725	62,000	72,000
Oak Ridge Reservation (Off-Site)	5,096	5,300	5,500
Office of River Protection	1,669,026	1,757,317	2,002,982
Office of Scientific & Technical Information	15,737	16,325	16,844
Pacific Northwest National Laboratory	885,573	840,663	846,615
Pacific Northwest Site Office	5,025	6,125	6,412
Paducah Gaseous Diffusion Plant	333,419	344,824	319,827
Pantex Plant	952,405	1,058,223	1,208,805
Pinellas Site	3,664	4,164	3,749
Portsmouth Gaseous Diffusion Plant	553,336	624,431	643,610
Princeton Plasma Physics Laboratory	101,935	85,469	97,252
Princeton Site Office	1,964	2,135	2,243
Richland Operations Office	60,016	65,740	76,890
Rocky Flats Site	33,578	41,288	26,828
Sandia National Laboratories	2,856,833	2,994,031	3,192,055
Sandia Site Office	90,499	91,428	92,310
Savannah River National Laboratory	931	45,549	88,359
Savannah River Operations Office	260,068	255,087	279,337
Savannah River Site	2,895,567	3,526,587	3,045,424
Savannah River Site Office	500	500	500
Separations Process Research Unit	15,000	15,300	15,300
SLAC National Accelerator Laboratory	459,006	554,856	631,812
SLAC Site Office	2,388	2,199	2,315
Southwestern Power Administration Office	125,816	162,802	189,737
Strategic Petroleum Reserve - Bayou Choctow	14,333	13,687	17,067
Strategic Petroleum Reserve - Big Hill	20,834	19,827	22,965
Strategic Petroleum Reserve - Bryan Mound	18,863	19,162	25,745
Strategic Petroleum Reserve - West Hackberry	23,561	20,142	73,056

**DEPARTMENT OF ENERGY**  
**Laboratory Table Summary Report**  
FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Strategic Petroleum Reserve Project Office	113,850	105,577	111,731
Thomas Jefferson National Accelerator Facility	170,657	191,018	170,231
Thomas Jefferson Site Office	1,815	2,218	2,332
Undesignated Lab/Plant/Installation	0	1,604	140,030
University of Rochester	83,000	86,100	89,000
Washington Headquarters	4,772,614	5,424,306	6,366,177
Waste Isolation Pilot Plant	453,982	467,857	479,390
Weldon Spring Site Office	5,131	5,131	3,687
West Valley Demonstration Project	93,418	95,866	95,747
Western Area Power Administration Office	93,000	100,960	100,100
Y-12 National Security Complex	2,100,386	1,901,244	2,579,732
Y-12 Site Office	15,520	48,020	37,520
Grants	1,888,792	2,177,050	2,547,766
Undesignated LPI	1,192,168	1,407,077	1,340,766
<b>Total by Lab, Plant, and Installation</b>	<b>45,146,757</b>	<b>48,944,242</b>	<b>52,720,687</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Ames Laboratory FY 2024**  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Ames Laboratory</b>			
Research - Basic Energy Sciences	16,902	15,840	15,240
Basic Energy Sciences	16,902	15,840	15,240
Research - Fusion Energy Sciences	225	100	100
Fusion Energy Sciences	225	100	100
Research - High Energy Physics	1,600	1,645	1,645
High Energy Physics	1,600	1,645	1,645
21-SC-73, Ames Infrastructure Modernization	2,000	2,000	8,000
Construction - Science Laboratories Infrastructure	2,000	2,000	8,000
Science Laboratories Infrastructure	2,000	2,000	8,000
Safeguards and Security - SC	2,474	2,871	2,809
Vehicle Technologies	1,100	1,600	1,100
Hydrogen and Fuel Cells Technologies	42	200	100
Sustainable Transportation and Fuels	1,142	1,800	1,200
Industrial Efficiency & Decarbonization Office	11,400	0	0
Advanced Materials & Manufacturing Technologies Office	11,400	28,730	46,500
Buildings & Industry (formerly Energy Efficiency)	22,800	28,730	46,500
Resilient Distribution Systems	25	0	0
Grid Controls and Communications	25	0	0
Transformer Resilience and Advanced Components	250	250	300
Grid Hardware, Components, and Systems	250	250	300
Hydrogen with Carbon Management	812	764	683
Carbon Management Technologies	812	764	683
Crosscutting Technology Development	18	0	0
Nuclear Energy Enabling Technologies	18	0	0
Technology Transitions Program Office	36	0	0
<b>Total Ames Laboratory</b>	<b>48,284</b>	<b>54,000</b>	<b>76,477</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Ames Site Office FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Ames Site Office</b>			
Program Direction - SC	699	687	721
<b>Total Ames Site Office</b>	<b>699</b>	<b>687</b>	<b>721</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Argonne National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Argonne National Laboratory</b>			
Tritium & Domestic Uranium Enrichment	40	0	43
Tritium and Domestic Uranium Enrichment	40	0	43
Production Modernization	40	0	43
Dynamic Materials Properties	9,050	7,375	5,100
Assessment Science	9,050	7,375	5,100
Advanced Simulation and Computing	100	0	0
Advanced Simulation & Computing	100	0	0
Stockpile Research, Technology, and Engineering	9,150	7,375	5,100
Conversion	21,913	25,253	22,034
Nuclear Material Removal	550	0	75
Material Disposition	60	150	150
Material Management and Minimization	22,523	25,403	22,259
International Nuclear Security	55	5,713	5,514
Radiological Security	2,943	2,292	2,275
Nuclear Smuggling Detection and Deterrence	1,258	1,000	642
Global Material Security	4,256	9,005	8,431
Nonproliferation & Arms Control	11,168	15,041	13,846
Proliferation Detection R&D	3,270	3,500	3,500
Nonproliferation Fuels Development	771	4,000	0
Forensics R&D	575	575	1,000
Nonproliferation Stewardship Program	0	300	805
Defense Nuclear Nonproliferation R&D	4,616	8,375	5,305
Emergency Operations	30	704	200
Counterterrorism and Counterproliferation	3,033	2,887	3,336
Nuclear Counterterrorism & Incident Response	3,063	3,591	3,536
Program Direction - National Nuclear Security Administration	1,200	1,200	1,200
Research - Advanced Scientific Computing Research	167,790	167,746	229,338
Advanced Scientific Computing Research	167,790	167,746	229,338
Research - Basic Energy Sciences	245,749	267,602	263,371
18-SC-10, Advanced Photon Source Upgrade (APS-U), ANL	101,000	9,200	0
Construction - Basic Energy Sciences	101,000	9,200	0
Basic Energy Sciences	346,749	276,802	263,371
Research - Biological & Environmental Research	33,920	46,379	50,174
Biological and Environmental Research	33,920	46,379	50,174
Research - Fusion Energy Sciences	823	623	700
Fusion Energy Sciences	823	623	700
Research - High Energy Physics	13,862	17,993	17,593
High Energy Physics	13,862	17,993	17,593
Operations and Maintenance - Nuclear Physics	32,773	35,878	35,689
Nuclear Physics	32,773	35,878	35,689
Research - Accelerator R&D and Production	0	0	315
Accelerator R&D and Production	0	0	315
Facilities and Infrastructure (SLI)	0	0	9,586
20-SC-77, Argonne Utilities Upgrade, ANL (20-SC-79)	10,000	8,000	8,007
Construction - Science Laboratories Infrastructure	10,000	8,000	8,007
Science Laboratories Infrastructure	10,000	8,000	17,593
Safeguards and Security - SC	17,480	18,335	14,934
Vehicle Technologies	66,030	64,000	70,000

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Argonne National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Bioenergy Technologies	12,000	11,000	10,000
Hydrogen and Fuel Cells Technologies	6,713	7,300	9,000
Sustainable Transportation and Fuels	84,743	82,300	89,000
Renewable Energy Grid Integration	1,650	2,000	4,000
Solar Energy Technologies	900	1,000	1,000
Wind Energy Technologies	2,536	1,622	7,402
Water Power Technologies	2,446	1,529	200
Geothermal Technologies	0	30	0
Renewable Energy	7,532	6,181	12,602
Advanced Materials & Manufacturing Technologies Office	3,652	15,000	10,000
Building Technologies	2,211	1,300	2,465
Buildings & Industry (formerly Energy Efficiency)	5,863	16,300	12,465
Strategic Programs	800	713	1,599
Corporate Support	800	713	1,599
Transmission Reliability and Resilience	2,407	2,700	4,100
Energy Delivery Grid Operations Technology	715	2,580	2,660
Resilient Distribution Systems	1,698	2,100	5,200
Grid Controls and Communications	4,820	7,380	11,960
Energy Storage R&D	1,358	1,500	1,700
Energy Storage	1,358	1,500	1,700
Grid Hardware, Components, and Systems	1,358	1,500	1,700
Grid Planning and Development (formerly, Transmission Permitting & Tech Assist.)	350	0	0
Grid Technical Assistance (GDO)	0	500	0
Transmission Planning & Permitting (GDO)	0	0	500
Risk Management Technology and Tools	450	2,917	3,150
Response and Restoration	375	311	527
Policy, Preparedness, and Risk Analysis	3,490	5,250	7,624
Hydrogen with Carbon Management	1,131	1,064	952
Carbon Utilization	798	1,376	0
Carbon Dioxide Conversion	0	0	1,376
Carbon Management - Policy, Analysis and Engagement (previous 2 controls)	0	0	458
Carbon Management - Policy and Analysis	220	0	0
Carbon Management - Justice and Engagement	92	0	0
Carbon Management Technologies	2,241	2,440	2,786
NEUP, SBIR/STTR, and TCF	700	0	0
LWR Sustainability	0	11	0
Advanced Reactor Technologies	5,400	4,300	5,500
Reactor Concepts RD&D	5,400	4,311	5,500
Materials Recovery and Waste Form Development	1,445	1,625	1,625
Accident Tolerant Fuels	30	131	131
TRISO and Graphite Qualification	450	155	155
Fuel Cycle Core R&D	2,986	3,525	3,525
Used Nuclear Fuel Disposition R&D	1,300	1,000	2,500
Integrated Waste Management System	200	510	1,900
Fuel Cycle Research & Development	6,411	6,946	9,836
Crosscutting Technology Development	2,111	3,285	3,500
Joint Modeling and Simulation Program	5,180	6,400	6,400
National Scientific User Facility	0	11	10
Transformational Challenge Reactor	500	0	0
Nuclear Energy Enabling Technologies	7,791	9,696	9,910

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Argonne National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Demonstration 2 (Sodium)	2,939	0	0
Regulatory Development	5,440	4,610	4,700
Advanced Reactor Safeguards	690	500	500
Advanced Reactors Demonstration Program	9,069	5,110	5,200
International Nuclear Energy Cooperation	779	0	380
Interim Storage	625	0	0
Environment, Health, Safety & Security	945	945	945
Environment, Health, Safety, and Security	945	945	945
Office of Technology Transitions Program Direction	96	0	0
Advanced Technology Vehicle Manufacturing Loan Program	300	160	500
<b>Total Argonne National Laboratory</b>	<b>823,550</b>	<b>794,706</b>	<b>865,611</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Argonne Site Office FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Argonne Site Office</b>			
Program Direction - SC	4,027	4,119	4,325
National Reactor Innovation Center	2,385	3,520	3,000
Advanced Reactors Demonstration Program	2,385	3,520	3,000
<b>Total Argonne Site Office</b>	<b>6,412</b>	<b>7,639</b>	<b>7,325</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Battelle Savannah River Alliance FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Battelle Savannah River Alliance</b>			
Information Technology and Cyber Security	1,638	5,351	2,299
<b>Total Battelle Savannah River Alliance</b>	<b>1,638</b>	<b>5,351</b>	<b>2,299</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Berkeley Site Office FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Berkeley Site Office</b>			
Program Direction - SC	3,609	3,275	3,442
<b>Total Berkeley Site Office</b>	<b>3,609</b>	<b>3,275</b>	<b>3,442</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Bettis Atomic Power Laboratory FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Bettis Atomic Power Laboratory</b>			
Naval Reactors Development	281,423	351,028	383,405
Columbia-Class Reactor Systems Development	12,815	10,180	4,648
S8G Prototype Refueling	489	0	0
Naval Reactors Operations and Infrastructure	116,481	202,700	188,127
23-D-533 BL Component Test Complex	0	57,420	0
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	8,000	9,535	3,986
Construction - Naval Reactors	8,000	66,955	3,986
<b>Total Bettis Atomic Power Laboratory</b>	<b>419,208</b>	<b>630,863</b>	<b>580,166</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Brookhaven National Laboratory FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Brookhaven National Laboratory</b>			
Safety and Environmental Operations	414	437	525
Operating	414	437	525
Infrastructure and Operations	414	437	525
Conversion	225	400	245
Material Management and Minimization	225	400	245
International Nuclear Security	121	0	0
Radiological Security	714	387	648
Nuclear Smuggling Detection and Deterrence	666	1,000	315
Global Material Security	1,501	1,387	963
Nonproliferation & Arms Control	3,527	3,357	3,100
Proliferation Detection R&D	10,063	6,700	6,652
Forensics R&D	475	475	644
Nonproliferation Stewardship Program	0	300	0
Defense Nuclear Nonproliferation R&D	10,538	7,475	7,296
Counterterrorism and Counterproliferation	3,059	2,900	3,483
Nuclear Counterterrorism & Incident Response	3,059	2,900	3,483
Program Direction - National Nuclear Security Administration	7	7	7
Research - Advanced Scientific Computing Research	1,580	2,643	2,495
Advanced Scientific Computing Research	1,580	2,643	2,495
Research - Basic Energy Sciences	211,007	235,066	231,091
24-SC-12, Future NSLS-II Experimental Tools - III (NEXT-III)	0	0	2,556
Construction - Basic Energy Sciences	0	0	2,556
Basic Energy Sciences	211,007	235,066	233,647
Research - Biological & Environmental Research	16,188	19,884	18,919
Biological and Environmental Research	16,188	19,884	18,919
Research - Fusion Energy Sciences	2,466	2,409	2,409
Fusion Energy Sciences	2,466	2,409	2,409
Research - High Energy Physics	69,873	61,996	65,124
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	6,000	4,900	10,000
Construction - High Energy Physics	6,000	4,900	10,000
High Energy Physics	75,873	66,896	75,124
Operations and Maintenance - Nuclear Physics	218,573	218,721	200,341
20-SC-52, Electron Ion Collider, BNL	20,000	50,000	95,000
Construction - Nuclear Physics	20,000	50,000	95,000
Nuclear Physics	238,573	268,721	295,341
Research - Accelerator R&D and Production	5,921	6,395	9,144
Accelerator R&D and Production	5,921	6,395	9,144
20-SC-71, Critical Utilities Rehabilitation Project, BNL	26,000	26,000	0
19-SC-71, Science User Support Center, BNL	38,000	0	0
Construction - Science Laboratories Infrastructure	64,000	26,000	0
Science Laboratories Infrastructure	64,000	26,000	0
Safeguards and Security - SC	20,202	22,930	19,755
Vehicle Technologies	4,825	3,175	5,500
Bioenergy Technologies	500	0	0
Hydrogen and Fuel Cells Technologies	200	200	400
Sustainable Transportation and Fuels	5,525	3,375	5,900
Geothermal Technologies	150	230	0
Renewable Energy	150	230	0



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Brookhaven National Laboratory FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Building Technologies	0	57	0
Buildings & Industry (formerly Energy Efficiency)	0	57	0
Transmission Reliability and Resilience	1,080	1,100	1,700
Grid Controls and Communications	1,080	1,100	1,700
Energy Storage R&D	20	50	50
Energy Storage	20	50	50
Grid Hardware, Components, and Systems	20	50	50
NEUP, SBIR/STTR, and TCF	90	0	0
Accident Tolerant Fuels	295	715	715
Fuel Cycle Core R&D	1,066	433	433
Fuel Cycle Research & Development	1,361	1,148	1,148
Crosscutting Technology Development	23	0	0
Nuclear Energy Enabling Technologies	23	0	0
Advanced Reactor Safeguards	190	300	400
Advanced Reactors Demonstration Program	190	300	400
Environment, Health, Safety & Security	250	250	250
Environment, Health, Safety, and Security	250	250	250
Technology Transitions Program Office	44	0	0
<b>Total Brookhaven National Laboratory</b>	<b>663,814</b>	<b>673,417</b>	<b>681,901</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Brookhaven Site Office FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Brookhaven Site Office</b>			
Program Direction - SC	4,325	4,583	4,842
<b>Total Brookhaven Site Office</b>	<b>4,325</b>	<b>4,583</b>	<b>4,842</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Carlsbad Area Office FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Carlsbad Area Office</b>			
Program Direction - National Nuclear Security Administration	1	1	1
Program Direction - Defense Environmental Cleanup	12,473	13,321	14,190
Safeguards and Security - Defense Environmental Cleanup	7,806	7,826	10,287
<b>Total Carlsbad Area Office</b>	<b>20,280</b>	<b>21,148</b>	<b>24,478</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Chicago Operations Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Chicago Operations Office</b>			
Program Direction - National Nuclear Security Administration	7	7	7
Hydrogen with Carbon Management	1	1	1
Carbon Management Technologies	1	1	1
National Scientific User Facility	1	1	0
Nuclear Energy Enabling Technologies	1	1	0
Environment, Health, Safety & Security	50	50	50
Environment, Health, Safety, and Security	50	50	50
<b>Total Chicago Operations Office</b>	<b>59</b>	<b>59</b>	<b>58</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Consolidated Business Center FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Consolidated Business Center</b>			
Material Disposition	0	60	0
Material Management and Minimization	0	60	0
Payment In Lieu of Taxes	4,820	4,891	5,004
Oak Ridge Landlord	6,430	6,559	6,910
Science Laboratories Infrastructure	11,250	11,450	11,914
Safeguards and Security - SC	5,112	6,035	5,684
Program Direction - SC	42,975	35,706	37,958
Environment, Health, Safety & Security	259	259	259
Environment, Health, Safety, and Security	259	259	259
Closure Sites Administration	2,329	2,452	2,423
Program Direction - Defense Environmental Cleanup	34,686	37,732	39,499
<b>Total Consolidated Business Center</b>	<b>96,611</b>	<b>93,694</b>	<b>97,737</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Consolidated Service Center - Illinois FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Consolidated Service Center - Illinois</b>			
Strategic Partnership Projects	16,631	21,745	21,700
Other Revenues	-16,631	-21,745	-21,700
Miscellaneous Revenues	-16,631	-21,745	-21,700

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 East Tennessee Technology Park (K25) FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>East Tennessee Technology Park (K25)</b>			
Safeguards and Security - Defense Environmental Cleanup	13,400	13,915	14,000
Oak Ridge (D&D Fund)	105,000	92,946	91,000
Pension and Community and Regulatory Support	25,000	25,000	25,000
<b>Total East Tennessee Technology Park (K25)</b>	<b>143,400</b>	<b>131,861</b>	<b>130,000</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Energy Technology Engineering Center FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Energy Technology Engineering Center</b>			
Small Sites - NDEC	21,340	26,409	44,135
<b>Total Energy Technology Engineering Center</b>	<b>21,340</b>	<b>26,409</b>	<b>44,135</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Fermi National Accelerator Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Fermi National Accelerator Laboratory</b>			
Radiological Security	10	0	0
Global Material Security	10	0	0
Proliferation Detection R&D	750	843	864
Defense Nuclear Nonproliferation R&D	750	843	864
Research - Advanced Scientific Computing Research	700	1,778	0
Advanced Scientific Computing Research	700	1,778	0
Research - Fusion Energy Sciences	234	0	0
Fusion Energy Sciences	234	0	0
Research - High Energy Physics	312,620	356,323	336,026
18-SC-42, Proton Improvement Plan II (PIP-II), FNAL	90,000	120,000	125,000
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	170,000	171,100	241,000
11-SC-41, Muon to Electron Conversion Experiment, FNAL	2,000	2,000	0
Construction - High Energy Physics	262,000	293,100	366,000
High Energy Physics	574,620	649,423	702,026
Research - Accelerator R&D and Production	0	23	0
Accelerator R&D and Production	0	23	0
Facilities and Infrastructure (SLI)	11,500	0	0
20-SC-80, Utilities Infrastructure Project, FNAL (20-SC-82)	10,500	20,000	45,000
17-SC-71, Integrated Engineering Research Center, FNAL	10,250	0	0
Construction - Science Laboratories Infrastructure	20,750	20,000	45,000
Science Laboratories Infrastructure	32,250	20,000	45,000
Safeguards and Security - SC	13,411	14,527	12,374
Technology Transitions Program Office	20	0	0
<b>Total Fermi National Accelerator Laboratory</b>	<b>621,995</b>	<b>686,594</b>	<b>760,264</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Fermi Site Office FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Fermi Site Office</b>			
Program Direction - SC	3,479	4,514	4,768
<b>Total Fermi Site Office</b>	<b>3,479</b>	<b>4,514</b>	<b>4,768</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Fernald Environmental Management Project FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Fernald Environmental Management Project</b>			
Closure Sites Administration	1,076	1,062	500
<b>Total Fernald Environmental Management Project</b>	<b>1,076</b>	<b>1,062</b>	<b>500</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Fernald Site FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Fernald Site</b>			
Legacy Management Activities - Defense	12,497	11,988	10,759
Legacy Management	12,497	11,988	10,759
<b>Total Fernald Site</b>	<b>12,497</b>	<b>11,988</b>	<b>10,759</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Golden Field Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Golden Field Office</b>			
Vehicle Technologies	5,000	0	25,000
Bioenergy Technologies	99,200	155,350	202,850
Hydrogen and Fuel Cells Technologies	83,350	85,700	83,400
Sustainable Transportation and Fuels	187,550	241,050	311,250
Renewable Energy Grid Integration	5,350	0	0
Solar Energy Technologies	164,000	178,500	221,908
Wind Energy Technologies	15,435	32,822	157,045
Water Power Technologies	48,087	66,022	87,630
Geothermal Technologies	89,135	66,464	147,000
Renewable Energy	322,007	343,808	613,583
Industrial Efficiency & Decarbonization Office	119,154	184,900	301,745
Advanced Materials & Manufacturing Technologies Office	123,147	92,313	145,997
Federal Energy Management Program (EERE)	40,000	43,000	0
Building Technologies	30,668	50,000	85,000
Training and Technical Assistance (EERE)	2,400	3,800	0
Weatherization Readiness	15,000	30,000	0
State Energy Program Grants (EERE)	800	3,800	0
Local Government Energy Program	10,000	12,000	0
Energy Future Grants (EERE)	20,000	27,000	0
Weatherization and Intergovernmental Programs	48,200	76,600	0
Buildings & Industry (formerly Energy Efficiency)	361,169	446,813	532,742
Establish DOE 18th National Laboratory	0	0	35,000
Facilities and Infrastructure	0	0	35,000
Program Direction - Energy Efficiency and Renewable Energy	27,806	30,471	35,566
Total Program Direction (EERE)	27,806	30,471	35,566
Corporate Support	27,806	30,471	70,566
Congressional Directed Spending - EERE	77,047	0	0
Federal Energy Management Program (FEMP)	0	0	45,000
FEEF/AFFECT (FEMP)	0	0	20,000
Facility and Workforce Assistance (MESC)	13,590	15,000	15,490
Training and Technical Assistance (SCEP)	0	0	3,800
WAP Readiness (SCEP)	0	0	51,783
Local Government Energy Program (SCEP)	0	0	65,000
Energy Future Grants (SCEP)	0	0	40,000
State Energy Program Grants (SCEP)	0	0	12,100
Energy Burden Reduction Pilot (SCEP)	0	0	50,000
IWG (SCEP)	0	0	5,000
Loan Guarantee Program	3	3	3
<b>Total Golden Field Office</b>	<b>989,172</b>	<b>1,077,145</b>	<b>1,836,317</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Grand Junction Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Grand Junction Office</b>			
Legacy Management Activities - Defense	52,606	41,856	56,188
Legacy Management	52,606	41,856	56,188
<b>Total Grand Junction Office</b>	<b>52,606</b>	<b>41,856</b>	<b>56,188</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Hanford Site FY 2024**  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Hanford Site</b>			
River Corridor and Other Cleanup Operations	254,479	279,085	180,000
Central Plateau Remediation	650,926	695,071	684,289
18-D-404 WESF Modification and Capsule Storage	8,000	3,100	0
22-D-401 Eastern Plateau Fire Station	15,200	3,100	7,000
22-D-402 L-897, 200 Area Water Treatment Facility	12,800	8,900	11,200
23-D-404 181D Export Water System Reconfiguration and Upgrade	0	6,770	27,149
23-D-405 181B Export Water System Reconfiguration and Upgrade	0	480	462
24-D-401 Environmental Restoration Disposal Facility Supercell 11 Expansion Proj	0	0	1,000
Construction - Richland	36,000	22,350	46,811
Richland	941,405	996,506	911,100
Safeguards and Security - Defense Environmental Cleanup	99,300	103,950	100,666
Fast Flux Test Reactor Facility (WA)	3,100	3,200	3,200
<b>Total Hanford Site</b>	<b>1,043,805</b>	<b>1,103,656</b>	<b>1,014,966</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Idaho National Laboratory FY 2024**  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Idaho National Laboratory</b>			
Tritium & Domestic Uranium Enrichment	2,467	2,928	2,120
Tritium and Domestic Uranium Enrichment	2,467	2,928	2,120
Production Modernization	2,467	2,928	2,120
Weapons Survivability	241	0	0
Engineering and Integrated Assessments	241	0	0
Stockpile Research, Technology, and Engineering	241	0	0
Safety and Environmental Operations	1,461	600	635
Operating	1,461	600	635
Infrastructure and Operations	1,461	600	635
Conversion	43,586	44,530	41,791
Nuclear Material Removal	9,250	6,080	6,325
Material Management and Minimization	52,836	50,610	48,116
International Nuclear Security	995	7,216	6,937
Radiological Security	16,287	19,040	18,896
Nuclear Smuggling Detection and Deterrence	835	1,000	66
Global Material Security	18,117	27,256	25,899
Nonproliferation & Arms Control	2,930	3,010	2,761
Proliferation Detection R&D	6,560	7,250	37,939
Nonproliferation Fuels Development	1,508	10,000	0
Forensics R&D	900	900	1,070
Nonproliferation Stewardship Program	5,075	3,245	886
Defense Nuclear Nonproliferation R&D	14,043	21,395	39,895
Counterterrorism and Counterproliferation	5,948	5,996	6,016
Nuclear Counterterrorism & Incident Response	5,948	5,996	6,016
Naval Reactors Development	89,108	99,747	92,800
Program Direction - National Nuclear Security Administration	1,126	1	1
Research - Advanced Scientific Computing Research	47	0	0
Advanced Scientific Computing Research	47	0	0
Research - Basic Energy Sciences	674	2,100	2,100
Basic Energy Sciences	674	2,100	2,100
Research - Biological & Environmental Research	35	0	0
Biological and Environmental Research	35	0	0
Research - Fusion Energy Sciences	3,300	2,600	2,800
Fusion Energy Sciences	3,300	2,600	2,800
Vehicle Technologies	14,598	10,500	16,000
Bioenergy Technologies	17,200	12,500	12,500
Hydrogen and Fuel Cells Technologies	6,065	8,100	8,900
Sustainable Transportation and Fuels	37,863	31,100	37,400
Renewable Energy Grid Integration	70	100	1,000
Solar Energy Technologies	900	1,000	1,500
Wind Energy Technologies	1,680	1,140	4,898
Water Power Technologies	4,855	4,593	4,400
Geothermal Technologies	461	30	0
Renewable Energy	7,966	6,863	11,798
Advanced Materials & Manufacturing Technologies Office	425	0	0
Building Technologies	815	35	0
Buildings & Industry (formerly Energy Efficiency)	1,240	35	0
Transmission Reliability and Resilience	2,794	2,600	4,000



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Idaho National Laboratory FY 2024**  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Energy Delivery Grid Operations Technology	500	1,500	1,550
Resilient Distribution Systems	2,705	2,000	2,700
Cyber Resilient & Secure Utility Communications Network (SecureNet)	1,485	0	0
Grid Controls and Communications	7,484	6,100	8,250
Energy Storage R&D	265	300	350
Energy Storage	265	300	350
Transformer Resilience and Advanced Components	540	500	700
Applied Grid Transformation Solutions	0	120	0
Grid Hardware, Components, and Systems	805	920	1,050
Risk Management Technology and Tools	16,140	28,165	35,419
Response and Restoration	0	5,500	12,326
Policy, Preparedness, and Risk Analysis	3,250	4,225	6,135
Program Direction - CESER	164	0	0
Hydrogen with Carbon Management	908	854	764
Carbon Utilization	632	1,089	0
Carbon Dioxide Conversion	0	0	1,089
Carbon Capture	235	321	0
Point-Source Carbon Capture	0	0	342
Carbon Management Technologies	1,775	2,264	2,195
Natural Gas Decarbonization and Hydrogen Technologies	348	452	348
Resource Sustainability	348	452	348
Energy Asset Transformation (formerly Repurposing Fossil Energy Assets)	5	6	6
University Training and Research (previous 2 controls)	50	50	74
University Fuel Services	0	0	20,172
NEUP, SBIR/STTR, and TCF	5,820	21,154	3,900
Advanced SMR R&D	1,789	80	100
LWR Sustainability	17,248	18,219	13,869
Advanced Reactor Technologies	20,658	21,781	25,500
Reactor Concepts RD&D	39,695	40,080	39,469
Materials Recovery and Waste Form Development	24,825	31,900	28,400
Accident Tolerant Fuels	29,079	24,070	24,070
TRISO and Graphite Qualification	29,000	24,369	19,004
Fuel Cycle Core R&D	9,825	11,557	11,557
Advanced Nuclear Fuel Availability	0	7,281	7,281
Used Nuclear Fuel Disposition R&D	3,200	5,000	3,000
Integrated Waste Management System	1,000	7,500	3,000
Fuel Cycle Research & Development	96,929	111,677	96,312
Crosscutting Technology Development	16,223	13,894	15,000
Joint Modeling and Simulation Program	10,525	10,070	10,000
National Scientific User Facility	29,141	33,819	33,000
Transformational Challenge Reactor	2,423	0	0
Nuclear Energy Enabling Technologies	58,312	57,783	58,000
National Reactor Innovation Center	50,689	62,330	30,230
Demonstration 1 (X-Energy)	200	0	0
Demonstration 2 (Sodium)	8,948	0	0
Risk Reduction for Future Demonstrations	0	3,725	20,000
Regulatory Development	3,583	2,995	3,200
Advanced Reactor Safeguards	298	75	100
23-E-200 LOTUS Project	0	20,000	32,000
Advanced Reactors Demonstration Program	63,718	89,125	85,530

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Idaho National Laboratory FY 2024**  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
INL Facilities Operations and Maintenance	291,035	313,852	313,852
Research Reactor Infrastructure	14,923	0	0
16-E-200 Sample Preparation Laboratory	41,850	7,300	0
Infrastructure	347,808	321,152	313,852
Idaho Sitewide Safeguards & Security (050)	148,054	148,600	175,733
International Nuclear Energy Cooperation	212	0	225
Program Direction - Nuclear Energy	3,955	4,250	4,250
Interim Storage	400	0	0
Environment, Health, Safety & Security	150	150	150
Environment, Health, Safety, and Security	150	150	150
Technology Transitions Program Office	15	0	0
Idaho Cleanup and Waste Disposition	432,313	424,295	377,623
Idaho Community and Regulatory Support	2,658	2,705	2,759
22-D-403 Idaho Spent Nuclear Fuel Staging Facility	3,000	8,000	10,159
22-D-404 Additional ICDF Landfill Disposal Cell and Evaporation Ponds Project	5,000	8,000	46,500
23-D-402 - Calcine Construction	0	15,000	10,000
Construction - Idaho	8,000	31,000	66,659
Idaho National Laboratory (INL)	442,971	458,000	447,041
Small Sites - NDEC	11,000	13,500	11,500
<b>Total Idaho National Laboratory</b>	<b>1,488,462</b>	<b>1,567,394</b>	<b>1,594,278</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Idaho Operations Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Idaho Operations Office</b>			
Research - Basic Energy Sciences	300	369	369
Basic Energy Sciences	300	369	369
University Nuclear Leadership Program	0	0	6,130
University Fuel Services	0	0	50
NEUP, SBIR/STTR, and TCF	53,628	6,550	550
Integrated University Program	5,989	0	0
Advanced SMR R&D	146,614	162,720	18,900
LWR Sustainability	4,730	10,220	10,000
Advanced Reactor Technologies	380	220	220
Reactor Concepts RD&D	151,724	173,160	29,120
Materials Recovery and Waste Form Development	0	5,140	5,140
Accident Tolerant Fuels	68,439	61,323	61,323
TRISO and Graphite Qualification	2,550	2,220	1,563
Fuel Cycle Core R&D	0	2,456	2,456
Advanced Nuclear Fuel Availability	1,629	49,810	60,810
Used Nuclear Fuel Disposition R&D	6,000	5,000	5,000
Integrated Waste Management System	2,000	20,000	12,000
Fuel Cycle Research & Development	80,618	145,949	148,292
Crosscutting Technology Development	220	220	220
Joint Modeling and Simulation Program	220	69	70
National Scientific User Facility	220	220	220
Transformational Challenge Reactor	220	0	0
Nuclear Energy Enabling Technologies	880	509	510
National Reactor Innovation Center	216	220	220
Demonstration 1 (X-Energy)	29,408	0	0
Demonstration 2 (Sodium)	17,157	0	0
Risk Reduction for Future Demonstrations	12,500	60,000	80,000
Regulatory Development	0	220	220
Advanced Reactor Safeguards	50	0	0
Advanced Reactors Demonstration Program	59,331	60,440	80,440
INL Facilities Operations and Maintenance	3,334	3,401	3,401
Research Reactor Infrastructure	50	0	0
Infrastructure	3,384	3,401	3,401
Idaho Sitewide Safeguards & Security (050)	1,400	1,400	2,000
International Nuclear Energy Cooperation	331	0	1,165
Program Direction - Nuclear Energy	31,351	32,835	33,459
Interim Storage	100	0	0
Strategic Partnership Projects	1,000	2,000	2,000
Other Revenues	-1,000	-2,000	-2,000
Miscellaneous Revenues	-1,000	-2,000	-2,000
Environment, Health, Safety & Security	400	400	400
Environment, Health, Safety, and Security	400	400	400
Technology Transitions Program Office	240	0	0
Office of Technology Transitions Program Direction	498	3,434	2,958
Program Direction - Defense Environmental Cleanup	9,939	10,284	10,745
<b>Total Idaho Operations Office</b>	<b>400,113</b>	<b>438,731</b>	<b>319,589</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Kansas City National Security Complex (KCNSC) FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Kansas City National Security Complex (KCNSC)</b>			
B61-12 LEP	241,607	146,696	105,700
W88 ALT 370	76,846	43,106	14,307
W80-4 LEP	228,131	187,889	182,843
W87-1 Modification Program	75,000	97,000	152,069
W93 Program	3,000	12,000	32,318
Stockpile Major Modernization	624,584	486,691	487,237
Stockpile Sustainment	144,204	155,954	153,912
Weapons Dismantlement and Disposition	250	350	200
Production Operations	91,013	126,419	140,732
Nuclear Enterprise Assurance	0	8,173	8,000
Stockpile Management	860,051	777,587	790,081
Enterprise Plutonium Support	11,684	9,500	14,125
Plutonium Modernization	11,684	9,500	14,125
Primary Capability Modernization	11,684	9,500	14,125
Secondary Capability Modernization (SCM)	285	1,000	470
Secondary Capability Modernization	285	1,000	470
Tritium & Domestic Uranium Enrichment	1,900	0	0
Tritium and Domestic Uranium Enrichment	1,900	0	0
Non-Nuclear Capability Modernization	53,878	44,322	75,600
Total, Non-Nuclear Capability Modernization	53,878	44,322	75,600
Capability Based Investments	5,436	7,000	8,000
Production Modernization	73,183	61,822	98,195
Archiving and Support	403	316	349
Studies and Assessments	0	100	1,000
Aging and Lifetimes	4,515	4,852	2,358
Stockpile Responsiveness	2,566	4,638	4,980
Advanced Certification and Qualification	2,756	2,652	3,494
Engineering and Integrated Assessments	10,240	12,558	12,181
Weapons Technology & Manufacturing Modernization	29,705	26,977	37,127
Weapons Technology and Manufacturing Maturation	29,705	26,977	37,127
Advanced Simulation and Computing	3,500	3,500	0
Advanced Simulation & Computing	3,500	3,500	0
Stockpile Research, Technology, and Engineering	43,445	43,035	49,308
Operations of Facilities	98,000	90,000	85,000
Safety and Environmental Operations	9,109	3,391	2,059
Maintenance and Repair of Facilities	35,000	22,000	27,000
Infrastructure and Safety	50,803	65,460	50,602
Recapitalization	50,803	65,460	50,602
Operating	192,912	180,851	164,661
Infrastructure and Operations	192,912	180,851	164,661
STA Operations and Equipment	37,567	48,960	53,897
Secure Transportation Asset	37,567	48,960	53,897
Operations and Maintenance - DNS	22,004	22,080	25,570
Defense Nuclear Security (DNS)	22,004	22,080	25,570
Information Technology and Cyber Security	86,253	22,726	49,230
Material Disposition	4,756	6,325	16,350
Material Management and Minimization	4,756	6,325	16,350
Proliferation Detection R&D	1,825	1,250	1,210

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Kansas City National Security Complex (KCNSC) FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Defense Nuclear Nonproliferation R&D	1,825	1,250	1,210
Counterterrorism and Counterproliferation	35,220	31,257	36,598
Nuclear Counterterrorism & Incident Response	35,220	31,257	36,598
Environment, Health, Safety & Security	10	10	10
Environment, Health, Safety, and Security	10	10	10
<b>Total Kansas City National Security Complex (KCNSC)</b>	<b>1,357,226</b>	<b>1,195,903</b>	<b>1,285,110</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Kansas City Site Office FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Kansas City Site Office</b>			
Nonproliferation & Arms Control	2,119	2,790	2,570
Nonproliferation Stewardship Program	700	950	0
Defense Nuclear Nonproliferation R&D	700	950	0
Program Direction - National Nuclear Security Administration	7,733	9,170	9,673
<b>Total Kansas City Site Office</b>	<b>10,552</b>	<b>12,910</b>	<b>12,243</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Knolls Atomic Power Laboratory FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Knolls Atomic Power Laboratory</b>			
Naval Reactors Development	249,393	276,060	338,330
Columbia-Class Reactor Systems Development	42,185	43,720	48,252
S8G Prototype Refueling	125,511	20,000	0
Naval Reactors Operations and Infrastructure	291,203	294,242	313,545
22-D-532 Security Upgrades KL	5,100	0	0
22-D-531 KL Chemistry and Radiological Health Building	41,620	0	10,400
21-D-530 KL Steam and Condensate Upgrades	0	0	53,000
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	4,000	4,769	1,993
Construction - Naval Reactors	50,720	4,769	65,393
<b>Total Knolls Atomic Power Laboratory</b>	<b>759,012</b>	<b>638,791</b>	<b>765,520</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Lawrence Berkeley National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Lawrence Berkeley National Laboratory</b>			
Weapons Technology & Manufacturing Modernization	300	0	0
Weapons Technology and Manufacturing Maturation	300	0	0
Stockpile Research, Technology, and Engineering	300	0	0
Information Technology and Cyber Security	231	530	610
Nonproliferation & Arms Control	1,069	1,630	1,508
Proliferation Detection R&D	14,209	9,407	9,285
Forensics R&D	120	120	57
Nonproliferation Stewardship Program	1,090	1,700	0
Defense Nuclear Nonproliferation R&D	15,419	11,227	9,342
Emergency Operations	450	450	450
Counterterrorism and Counterproliferation	0	90	103
Nuclear Counterterrorism & Incident Response	450	540	553
Research - Advanced Scientific Computing Research	227,777	218,226	250,165
Advanced Scientific Computing Research	227,777	218,226	250,165
Research - Basic Energy Sciences	153,242	175,121	204,919
18-SC-12, Advanced Light Source Upgrade (ALS-U), LBNL	75,100	135,000	57,300
Construction - Basic Energy Sciences	75,100	135,000	57,300
Basic Energy Sciences	228,342	310,121	262,219
Research - Biological & Environmental Research	170,060	168,612	179,433
Biological and Environmental Research	170,060	168,612	179,433
Research - Fusion Energy Sciences	1,200	1,750	1,750
Fusion Energy Sciences	1,200	1,750	1,750
Research - High Energy Physics	64,473	60,023	64,284
High Energy Physics	64,473	60,023	64,284
Operations and Maintenance - Nuclear Physics	28,852	38,315	23,692
Nuclear Physics	28,852	38,315	23,692
Research - Accelerator R&D and Production	1,282	430	0
Accelerator R&D and Production	1,282	430	0
Facilities and Infrastructure (SLI)	0	5,500	6,000
20-SC-72, Seismic and Safety Modernization, LBNL	18,000	27,500	40,000
20-SC-78, Linear Assets Modernization Project, LBNL (20-SC-80)	10,400	23,425	18,900
19-SC-74, Biological & Environmental Program Integration Center (BioEPIC), LBNL	35,000	45,000	38,000
Construction - Science Laboratories Infrastructure	63,400	95,925	96,900
Science Laboratories Infrastructure	63,400	101,425	102,900
Safeguards and Security - SC	12,590	13,950	12,505
Vehicle Technologies	21,665	18,200	24,000
Bioenergy Technologies	10,700	6,500	6,500
Hydrogen and Fuel Cells Technologies	5,798	4,800	4,900
Sustainable Transportation and Fuels	38,163	29,500	35,400
Renewable Energy Grid Integration	3,520	4,000	6,000
Solar Energy Technologies	2,300	2,500	3,000
Wind Energy Technologies	3,913	3,010	4,837
Geothermal Technologies	2,077	1,930	0
Renewable Energy	11,810	11,440	13,837
Industrial Efficiency & Decarbonization Office	7,300	9,900	9,000
Advanced Materials & Manufacturing Technologies Office	1,625	0	0
Building Technologies	47,810	38,800	42,000
Training and Technical Assistance (EERE)	200	300	0



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Lawrence Berkeley National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
State Energy Program Grants (EERE)	800	800	0
Weatherization and Intergovernmental Programs	1,000	1,100	0
Buildings & Industry (formerly Energy Efficiency)	57,735	49,800	51,000
Strategic Programs	1,300	1,890	2,475
Corporate Support	1,300	1,890	2,475
Facility and Workforce Assistance (MESC)	900	1,000	0
Training and Technical Assistance (SCEP)	0	0	300
State Energy Program Grants (SCEP)	0	0	1,000
Transmission Reliability and Resilience	1,616	1,300	2,000
Resilient Distribution Systems	1,344	2,050	4,200
Grid Controls and Communications	2,960	3,350	6,200
Energy Storage R&D	20	50	50
Energy Storage	20	50	50
Grid Hardware, Components, and Systems	20	50	50
Electricity Innovation and Transition	557	0	0
Grid Planning and Development (formerly, Transmission Permitting & Tech Assist.)	200	0	0
Grid Planning & Development (GDO)	0	2,000	0
Grid Technical Assistance (GDO)	0	2,500	0
Transmission Planning & Permitting (GDO)	0	0	6,500
Wholesale Electricity Market Technical Assistance and Grants	0	3,500	0
Distribution & Markets (GDO)	0	0	5,500
Risk Management Technology and Tools	0	2,327	3,513
Policy, Preparedness, and Risk Analysis	0	75	109
Hydrogen with Carbon Management	760	715	640
Carbon Transport and Storage	2,487	2,821	2,821
Carbon Capture	349	475	0
Point-Source Carbon Capture	0	0	507
Carbon Management Technologies	3,596	4,011	3,968
Advanced Remediation Technologies	1,520	1,503	355
Natural Gas Decarbonization and Hydrogen Technologies	348	452	348
Resource Sustainability	1,868	1,955	703
Energy Asset Transformation (formerly Repurposing Fossil Energy Assets)	7	9	9
University Training and Research (previous 2 controls)	77	77	112
NETL Research and Operations - Fossil Energy	661	693	713
NEUP, SBIR/STTR, and TCF	280	0	0
Materials Recovery and Waste Form Development	0	51	51
Used Nuclear Fuel Disposition R&D	4,000	3,500	3,500
Fuel Cycle Research & Development	4,000	3,551	3,551
Crosscutting Technology Development	52	0	0
Joint Modeling and Simulation Program	150	150	150
Nuclear Energy Enabling Technologies	202	150	150
Interim Storage	100	0	0
Environment, Health, Safety & Security	0	50	50
Environment, Health, Safety, and Security	0	50	50
Technology Transitions Program Office	88	0	0
Small Sites - NDEC	5,000	15,000	0
<b>Total Lawrence Berkeley National Laboratory</b>	<b>944,968</b>	<b>1,059,707</b>	<b>1,044,101</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Lawrence Livermore National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Lawrence Livermore National Laboratory</b>			
W80-4 LEP	163,059	173,050	131,500
W87-1 Modification Program	225,000	151,000	246,836
W93 Program	3,000	2,957	3,000
Stockpile Major Modernization	391,059	327,007	381,336
Stockpile Sustainment	98,395	96,772	99,962
Weapons Dismantlement and Disposition	2,800	2,000	2,605
Production Operations	5,476	5,748	8,225
Nuclear Enterprise Assurance	0	5,634	9,000
Stockpile Management	497,730	437,161	501,128
Enterprise Plutonium Support	68,580	56,260	53,460
Plutonium Modernization	68,580	56,260	53,460
High Explosives & Energetics	14,000	17,500	15,000
HE & Energetics	14,000	17,500	15,000
Primary Capability Modernization	82,580	73,760	68,460
Secondary Capability Modernization (SCM)	11,624	16,200	19,988
Secondary Capability Modernization	11,624	16,200	19,988
Tritium & Domestic Uranium Enrichment	40	0	43
Tritium and Domestic Uranium Enrichment	40	0	43
Non-Nuclear Capability Modernization	1,635	300	640
Total, Non-Nuclear Capability Modernization	1,635	300	640
Capability Based Investments	30,120	31,900	31,000
Production Modernization	125,999	122,160	120,131
Primary Assessment Technologies	50,300	52,411	52,100
Dynamic Materials Properties	43,009	44,764	45,348
Advanced Diagnostics	11,320	9,540	10,743
Secondary Assessment Technologies	39,880	33,811	34,347
Enhanced Capabilities for Subcritical Experiments	65,196	107,542	121,900
Hydrodynamic and Subcritical Experiment Execution Support	30,098	27,598	25,498
Assessment Science	239,803	275,666	289,936
Archiving and Support	13,886	13,215	13,880
Delivery Environments	11,000	11,518	9,717
Weapons Survivability	15,487	15,889	14,016
Studies and Assessments	0	2,000	25,000
Aging and Lifetimes	17,300	17,300	13,600
Stockpile Responsiveness	14,073	16,036	17,346
Advanced Certification and Qualification	18,058	17,375	18,028
Engineering and Integrated Assessments	89,804	93,333	111,587
Inertial Confinement Fusion	350,000	380,000	377,000
Weapons Technology & Manufacturing Modernization	33,274	34,777	37,955
Weapons Technology and Manufacturing Maturation	33,274	34,777	37,955
Advanced Simulation and Computing	280,089	192,697	196,854
Advanced Simulation & Computing	280,089	192,697	196,854
Stockpile Research, Technology, and Engineering	992,970	976,473	1,013,332
Academic Programs and Community Support	1,000	1,000	1,000
Operations of Facilities	82,000	82,000	80,000
Safety and Environmental Operations	35,172	35,646	33,017
Maintenance and Repair of Facilities	37,000	37,000	42,000
Infrastructure and Safety	117,240	81,175	60,422

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Lawrence Livermore National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Recapitalization	117,240	81,175	60,422
Operating	271,412	235,821	215,439
22-D-514 Digital Infrastructure Capability Expansion, LLNL	8,000	67,300	0
Mission Enabling Construction	8,000	67,300	0
I&O - Construction	8,000	67,300	0
Infrastructure and Operations	279,412	303,121	215,439
Operations and Maintenance - DNS	71,302	79,436	82,037
Defense Nuclear Security (DNS)	71,302	79,436	82,037
Information Technology and Cyber Security	34,760	48,998	54,854
Nuclear Material Removal	200	0	0
Material Disposition	200	0	100
Material Management and Minimization	400	0	100
International Nuclear Security	6,253	7,995	7,794
Radiological Security	6,508	7,551	7,534
Nuclear Smuggling Detection and Deterrence	2,531	4,450	4,266
Global Material Security	15,292	19,996	19,594
Nonproliferation & Arms Control	25,360	38,011	34,996
Proliferation Detection R&D	31,485	34,895	33,002
Nuclear Detonation Detection	17,470	21,277	23,743
Forensics R&D	10,119	9,819	13,291
Nonproliferation Stewardship Program	17,000	15,875	14,801
Defense Nuclear Nonproliferation R&D	76,074	81,866	84,837
NNSA Bioassurance Program	0	5,000	6,250
Counterterrorism and Counterproliferation	74,911	85,536	91,068
Nuclear Counterterrorism & Incident Response	74,911	85,536	91,068
Program Direction - National Nuclear Security Administration	1,100	1,100	1,100
Research - Advanced Scientific Computing Research	3,490	6,722	3,047
Advanced Scientific Computing Research	3,490	6,722	3,047
Research - Basic Energy Sciences	2,091	1,252	712
Basic Energy Sciences	2,091	1,252	712
Research - Biological & Environmental Research	27,297	32,467	26,431
Biological and Environmental Research	27,297	32,467	26,431
Research - Fusion Energy Sciences	7,190	8,643	9,877
Fusion Energy Sciences	7,190	8,643	9,877
Research - High Energy Physics	2,271	2,425	2,146
High Energy Physics	2,271	2,425	2,146
Operations and Maintenance - Nuclear Physics	1,607	2,062	2,062
Nuclear Physics	1,607	2,062	2,062
Research - Accelerator R&D and Production	258	93	0
Accelerator R&D and Production	258	93	0
Vehicle Technologies	3,277	2,600	3,400
Bioenergy Technologies	1,800	725	725
Hydrogen and Fuel Cells Technologies	1,055	2,000	2,000
Sustainable Transportation and Fuels	6,132	5,325	6,125
Solar Energy Technologies	900	1,000	1,500
Wind Energy Technologies	1,841	1,619	3,321
Geothermal Technologies	33	30	0
Renewable Energy	2,774	2,649	4,821
Industrial Efficiency & Decarbonization Office	5,375	5,000	5,000
Advanced Materials & Manufacturing Technologies Office	5,375	0	0

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Lawrence Livermore National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Buildings & Industry (formerly Energy Efficiency)	10,750	5,000	5,000
Transmission Reliability and Resilience	1,523	2,200	3,400
Energy Delivery Grid Operations Technology	1,726	8,000	8,300
Resilient Distribution Systems	1,444	1,700	1,200
Cyber Resilient & Secure Utility Communications Network (SecureNet)	400	0	0
Grid Controls and Communications	5,093	11,900	12,900
Risk Management Technology and Tools	3,928	3,208	5,465
Response and Restoration	1,625	1,800	3,052
Policy, Preparedness, and Risk Analysis	2,390	2,000	2,904
Hydrogen with Carbon Management	259	243	218
Carbon Transport and Storage	2,217	2,514	2,514
Carbon Dioxide Removal	4,925	7,036	7,036
Carbon Capture	1,756	2,394	0
Point-Source Carbon Capture	0	0	2,554
Carbon Management Technologies	9,157	12,187	12,322
Methane Mitigation Technologies	1,367	2,104	3,506
Natural Gas Decarbonization and Hydrogen Technologies	6,960	9,048	6,960
Resource Sustainability	8,327	11,152	10,466
Energy Asset Transformation (formerly Repurposing Fossil Energy Assets)	4	5	5
University Training and Research (previous 2 controls)	27	27	39
Accident Tolerant Fuels	0	376	376
Used Nuclear Fuel Disposition R&D	372	351	351
Fuel Cycle Research & Development	372	727	727
Crosscutting Technology Development	250	0	0
Nuclear Energy Enabling Technologies	250	0	0
Environment, Health, Safety & Security	3,050	3,050	3,050
Environment, Health, Safety, and Security	3,050	3,050	3,050
Office of Technology Transitions Program Direction	42	0	0
Lawrence Livermore National Laboratory (LLNL)	1,806	1,842	1,879
LLNL Excess Facilities D&D	35,000	35,000	20,195
NNSA Sites and Nevada Off-Sites	36,806	36,842	22,074
<b>Total Lawrence Livermore National Laboratory</b>	<b>2,331,240</b>	<b>2,349,394</b>	<b>2,359,091</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Lexington Office FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Lexington Office</b>			
Environment, Health, Safety & Security	200	200	200
Environment, Health, Safety, and Security	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 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Livermore Site Office</b>			
Infrastructure and Safety	0	17,850	0
Recapitalization	0	17,850	0
Operating	0	17,850	0
Infrastructure and Operations	0	17,850	0
Program Direction - National Nuclear Security Administration	17,644	18,190	20,340
Advanced Reactor Technologies	25	0	0
Reactor Concepts RD&D	25	0	0
<b>Total Livermore Site Office</b>	<b>17,669</b>	<b>36,040</b>	<b>20,340</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Los Alamos National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Los Alamos National Laboratory</b>			
B61-12 LEP	45,556	37,010	31,451
W88 ALT 370	9,798	11,418	15,234
W80-4 LEP	56,850	57,572	82,194
W87-1 Modification Program	17,500	15,000	27,585
W93 Program	28,000	89,900	135,000
Stockpile Major Modernization	157,704	210,900	291,464
Stockpile Sustainment	218,910	268,753	265,774
Weapons Dismantlement and Disposition	2,800	2,000	3,750
Production Operations	46,228	48,457	70,730
Nuclear Enterprise Assurance	0	5,236	7,000
Stockpile Management	425,642	535,346	638,718
Los Alamos Plutonium Operations	641,400	750,871	800,377
21-D-512, Plutonium Pit Production Project, LANL	343,900	583,234	670,000
15-D-302, TA-55 Reinvestments Project, Phase 3, LANL	26,250	29,502	30,000
07-D-220-04, Transuranic Liquid Waste Facility, LANL	29,500	24,259	0
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL	136,123	133,123	227,122
Los Alamos Plutonium Modernization	1,177,173	1,520,989	1,727,499
Savannah River Plutonium Operations	2,400	0	0
Savannah River Plutonium Modernization	2,400	0	0
Plutonium Modernization	1,179,573	1,520,989	1,727,499
High Explosives & Energetics	13,230	15,500	13,280
23-D-516, Energetic Materials Characterization Facility, LANL	0	18,500	0
HE & Energetics	13,230	34,000	13,280
Primary Capability Modernization	1,192,803	1,554,989	1,740,779
Secondary Capability Modernization (SCM)	31,179	25,939	34,700
Secondary Capability Modernization	31,179	25,939	34,700
Tritium & Domestic Uranium Enrichment	2,040	2,041	2,043
Tritium and Domestic Uranium Enrichment	2,040	2,041	2,043
Non-Nuclear Capability Modernization	800	945	1,110
Total, Non-Nuclear Capability Modernization	800	945	1,110
Capability Based Investments	38,274	11,300	19,000
Production Modernization	1,265,096	1,595,214	1,797,632
Primary Assessment Technologies	77,535	84,893	90,851
Dynamic Materials Properties	36,690	36,760	38,422
Advanced Diagnostics	5,485	5,600	5,700
Secondary Assessment Technologies	32,104	28,003	28,645
Enhanced Capabilities for Subcritical Experiments	57,030	75,600	86,625
Hydrodynamic and Subcritical Experiment Execution Support	56,207	62,876	66,020
Assessment Science	265,051	293,732	316,263
Archiving and Support	16,600	17,004	19,834
Delivery Environments	11,500	10,500	10,628
Weapons Survivability	13,470	14,000	14,016
Studies and Assessments	0	0	20,000
Aging and Lifetimes	20,200	22,288	16,321
Stockpile Responsiveness	14,854	18,750	17,346
Advanced Certification and Qualification	21,574	20,578	21,538
Engineering and Integrated Assessments	98,198	103,120	119,683
Inertial Confinement Fusion	22,600	25,000	22,600
Weapons Technology & Manufacturing Modernization	69,795	67,618	70,199
Weapons Technology and Manufacturing Maturation	69,795	67,618	70,199
Advanced Simulation and Computing	199,398	175,267	183,853

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Los Alamos National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Advanced Simulation & Computing	199,398	175,267	183,853
Stockpile Research, Technology, and Engineering	655,042	664,737	712,598
Operations of Facilities	287,000	320,000	320,000
Safety and Environmental Operations	15,704	16,397	13,553
Maintenance and Repair of Facilities	150,000	145,000	151,000
Infrastructure and Safety	98,243	91,354	59,939
Recapitalization	98,243	91,354	59,939
Operating	550,947	572,751	544,492
24-D-511 Plutonium Production Building, LANL	0	0	48,500
24-D-512 TA-46 Protective Force Facility, LANL	0	0	48,500
23-D-518 Plutonium Modernization Operations & Waste Management Office Bldg, LANL	0	48,500	0
23-D-517 Electrical Power Capacity Upgrade, LANL	0	24,000	75,000
Mission Enabling Construction	0	72,500	172,000
I&O - Construction	0	72,500	172,000
Infrastructure and Operations	550,947	645,251	716,492
Operations and Maintenance - DNS	153,167	134,945	160,419
Defense Nuclear Security (DNS)	153,167	134,945	160,419
Information Technology and Cyber Security	20,446	24,581	27,207
Conversion	1,781	1,365	701
Nuclear Material Removal	936	200	200
Material Disposition	58,202	61,375	113,096
Material Management and Minimization	60,919	62,940	113,997
International Nuclear Security	2,456	3,324	3,183
Radiological Security	25,356	27,644	27,435
Nuclear Smuggling Detection and Deterrence	9,074	12,450	12,152
Global Material Security	36,886	43,418	42,770
Nonproliferation & Arms Control	57,321	52,278	48,140
Proliferation Detection R&D	41,070	41,124	40,138
Nuclear Detonation Detection	95,121	97,943	95,059
Forensics R&D	10,496	10,046	12,061
Nonproliferation Stewardship Program	1,770	3,250	3,605
Defense Nuclear Nonproliferation R&D	148,457	152,363	150,863
NNSA Bioassurance Program	0	5,000	6,250
Counterterrorism and Counterproliferation	71,587	83,525	88,977
Nuclear Counterterrorism & Incident Response	71,587	83,525	88,977
Research - Advanced Scientific Computing Research	1,469	1,782	3,263
Advanced Scientific Computing Research	1,469	1,782	3,263
Research - Basic Energy Sciences	21,787	25,576	25,877
Basic Energy Sciences	21,787	25,576	25,877
Research - Biological & Environmental Research	32,289	33,365	33,888
Biological and Environmental Research	32,289	33,365	33,888
Research - Fusion Energy Sciences	1,661	483	1,750
Fusion Energy Sciences	1,661	483	1,750
Research - High Energy Physics	1,650	2,075	1,990
High Energy Physics	1,650	2,075	1,990
Operations and Maintenance - Nuclear Physics	9,752	9,688	9,688
Nuclear Physics	9,752	9,688	9,688
Research - Accelerator R&D and Production	50	0	0
Accelerator R&D and Production	50	0	0
Bioenergy Technologies	7,300	3,000	3,000
Hydrogen and Fuel Cells Technologies	4,447	5,000	4,700
Sustainable Transportation and Fuels	11,747	8,000	7,700



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Los Alamos National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Renewable Energy Grid Integration	50	50	100
Wind Energy Technologies	464	117	1,166
Geothermal Technologies	12	30	0
Renewable Energy	526	197	1,266
Industrial Efficiency & Decarbonization Office	475	0	0
Advanced Materials & Manufacturing Technologies Office	475	0	0
Buildings & Industry (formerly Energy Efficiency)	950	0	0
Transmission Reliability and Resilience	2,000	2,200	3,400
Energy Delivery Grid Operations Technology	1,037	2,580	2,660
Resilient Distribution Systems	1,322	1,600	350
Grid Controls and Communications	4,359	6,380	6,410
Risk Management Technology and Tools	300	175	189
Hydrogen with Carbon Management	1,819	1,711	1,531
Carbon Transport and Storage	5,447	6,177	6,177
Carbon Utilization	226	389	0
Carbon Dioxide Conversion	0	0	389
Carbon Capture	547	746	0
Point-Source Carbon Capture	0	0	796
Carbon Management Technologies	8,039	9,023	8,893
Methane Mitigation Technologies	146	224	374
Resource Sustainability	146	224	374
NEUP, SBIR/STTR, and TCF	765	0	0
Advanced Reactor Technologies	3,276	1,800	2,500
Reactor Concepts RD&D	3,276	1,800	2,500
Materials Recovery and Waste Form Development	385	0	0
Accident Tolerant Fuels	5,603	4,606	4,606
Fuel Cycle Core R&D	1,926	2,889	2,889
Advanced Nuclear Fuel Availability	0	5,745	5,745
Used Nuclear Fuel Disposition R&D	2,700	3,200	3,200
Fuel Cycle Research & Development	10,614	16,440	16,440
Crosscutting Technology Development	750	550	600
Joint Modeling and Simulation Program	4,360	3,915	4,000
Nuclear Energy Enabling Technologies	5,110	4,465	4,600
Advanced Reactor Safeguards	300	300	300
Advanced Reactors Demonstration Program	300	300	300
Interim Storage	100	0	0
Environment, Health, Safety & Security	95	95	95
Environment, Health, Safety, and Security	95	95	95
Technology Transitions Program Office	51	0	0
Los Alamos National Laboratory (LANL)	275,119	286,316	273,831
Los Alamos Excess Facilities D&D	17,000	40,519	13,648
NNSA Sites and Nevada Off-Sites	292,119	326,835	287,479
Safeguards and Security - Defense Environmental Cleanup	0	5,000	5,000
<b>Total Los Alamos National Laboratory</b>	<b>3,852,665</b>	<b>4,451,501</b>	<b>4,921,765</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Los Alamos Site Office FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Los Alamos Site Office</b>			
Information Technology and Cyber Security	17	42	27
Program Direction - National Nuclear Security Administration	19,533	22,905	23,545
<b>Total Los Alamos Site Office</b>	<b>19,550</b>	<b>22,947</b>	<b>23,572</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Miamisburg Site FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Miamisburg Site</b>			
Environment, Health, Safety & Security	5	5	5
Environment, Health, Safety, and Security	5	5	5
<b>Total Miamisburg Site</b>	<b>5</b>	<b>5</b>	<b>5</b>

DEPARTMENT OF ENERGY

Laboratory Table  
Moab Site FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Moab Site</b>			
Small Sites - NDEC	67,000	67,000	67,000
<b>Total Moab Site</b>	<b>67,000</b>	<b>67,000</b>	<b>67,000</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Mound Site FY 2024**  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Mound Site</b>			
Legacy Management Activities - Defense	10,149	12,083	10,744
Legacy Management	10,149	12,083	10,744
<b>Total Mound Site</b>	<b>10,149</b>	<b>12,083</b>	<b>10,744</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
National Energy Technology Lab FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>National Energy Technology Lab</b>			
B61-12 LEP	0	1,366	0
W88 ALT 370	5,462	0	0
W80-4 LEP	13,100	7,817	0
W87-1 Modification Program	2,885	8,266	0
W93 Program	200	3,997	0
Stockpile Major Modernization	21,647	21,446	0
Stockpile Sustainment	10,976	16,340	0
Production Operations	2,498	3,000	0
Nuclear Enterprise Assurance	0	1,662	0
Stockpile Management	35,121	42,448	0
Enterprise Plutonium Support	5,000	5,500	5,720
Plutonium Modernization	5,000	5,500	5,720
Primary Capability Modernization	5,000	5,500	5,720
Secondary Capability Modernization (SCM)	2,000	0	0
Secondary Capability Modernization	2,000	0	0
Tritium & Domestic Uranium Enrichment	580	1,905	3,530
Tritium and Domestic Uranium Enrichment	580	1,905	3,530
Non-Nuclear Capability Modernization	2,673	4,527	4,732
Total, Non-Nuclear Capability Modernization	2,673	4,527	4,732
Production Modernization	10,253	11,932	13,982
Hydrodynamic and Subcritical Experiment Execution Support	250	0	0
Assessment Science	250	0	0
Archiving and Support	374	0	389
Delivery Environments	246	0	256
Weapons Survivability	468	100	487
Aging and Lifetimes	191	0	196
Stockpile Responsiveness	320	0	334
Advanced Certification and Qualification	327	0	334
Engineering and Integrated Assessments	1,926	100	1,996
Weapons Technology & Manufacturing Modernization	2,563	0	2,311
Weapons Technology and Manufacturing Maturation	2,563	0	2,311
Advanced Simulation and Computing	250	0	0
Advanced Simulation & Computing	250	0	0
Stockpile Research, Technology, and Engineering	4,989	100	4,307
Material Disposition	750	750	1,245
Material Management and Minimization	750	750	1,245
International Nuclear Security	500	300	290
Global Material Security	500	300	290
Nonproliferation & Arms Control	170	0	0
Program Direction - National Nuclear Security Administration	2,012	125	125
Vehicle Technologies	140,142	213,300	208,242
Bioenergy Technologies	800	550	550
Hydrogen and Fuel Cells Technologies	7,511	16,100	16,500
Sustainable Transportation and Fuels	148,453	229,950	225,292
Renewable Energy Grid Integration	835	1,450	1,450
Geothermal Technologies	0	20,928	40,000
Renewable Energy	835	22,378	41,450
Building Technologies	2,378	0	0

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
National Energy Technology Lab FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Buildings & Industry (formerly Energy Efficiency)	2,378	0	0
Program Direction - Energy Efficiency and Renewable Energy	17,546	19,917	25,497
Total Program Direction (EERE)	17,546	19,917	25,497
Strategic Programs	1,500	0	0
Corporate Support	19,046	19,917	25,497
Applied Grid Transformation Solutions	0	0	500
Grid Hardware, Components, and Systems	0	0	500
Grid Planning and Development (formerly, Transmission Permitting & Tech Assist.)	1,785	0	0
Program Direction - GDO	330	471	941
Total Program Direction (OE)	330	471	941
Risk Management Technology and Tools	14,808	38,484	45,563
Response and Restoration	150	0	0
Policy, Preparedness, and Risk Analysis	2,750	9,926	14,413
Program Direction - CESER	2,460	3,659	3,980
Strategic Petroleum Reserve (SPR)	499	300	300
Hydrogen with Carbon Management	86,828	81,672	73,073
Carbon Transport and Storage	80,040	90,766	90,766
Carbon Dioxide Removal	40,846	58,352	58,352
Carbon Utilization	18,313	31,574	0
Carbon Dioxide Conversion	0	0	31,574
Carbon Capture	91,108	124,238	0
Point-Source Carbon Capture	0	0	132,520
Supercritical Transformational Electric Power (STEP)	15,000	0	0
Carbon Management Technologies	332,135	386,602	386,285
Advanced Remediation Technologies	53,481	52,905	12,505
Methane Mitigation Technologies	31,136	47,901	79,834
Natural Gas Decarbonization and Hydrogen Technologies	164	214	164
Mineral Sustainability	49,192	50,120	41,767
Resource Sustainability - Analysis and Engagement	0	0	1,000
Resource Sustainability	133,973	151,140	135,270
Energy Asset Transformation (formerly Repurposing Fossil Energy Assets)	4,792	5,750	5,750
University Training and Research (previous 2 controls)	12,635	12,635	18,466
Program Direction - Fossil Energy	29,152	29,648	30,813
NETL Infrastructure - Fossil Energy	74,982	54,987	54,987
NETL Research and Operations - Fossil Energy	82,339	86,307	88,762
NETL Interagency Working Group	0	3,000	0
Congressional Directed Spending - Fossil Energy	20,199	0	0
LWR Sustainability	83	0	0
Reactor Concepts RD&D	83	0	0
Crosscutting Technology Development	74	149	150
Nuclear Energy Enabling Technologies	74	149	150
Strategic Partnership Projects	100	150	100
Other Revenues	-100	-150	-100
Miscellaneous Revenues	-100	-150	-100
Legacy Management Activities - Defense	2,403	1,976	2,552
Legacy Management	2,403	1,976	2,552
Technology Transitions Program Office	45	0	0
Office of Technology Transitions Program Direction	7	0	0
Loan Guarantee Program	707	600	830
<b>Total National Energy Technology Lab</b>	<b>940,815</b>	<b>1,113,534</b>	<b>1,101,750</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
National Renewable Energy Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>National Renewable Energy Laboratory</b>			
Research - Advanced Scientific Computing Research	0	0	535
Advanced Scientific Computing Research	0	0	535
Research - Basic Energy Sciences	5,742	9,303	9,303
Basic Energy Sciences	5,742	9,303	9,303
Research - Biological & Environmental Research	3,500	6,805	2,845
Biological and Environmental Research	3,500	6,805	2,845
Vehicle Technologies	50,527	38,000	52,000
Bioenergy Technologies	61,500	46,000	40,000
Hydrogen and Fuel Cells Technologies	23,279	21,500	14,400
Sustainable Transportation and Fuels	135,306	105,500	106,400
Renewable Energy Grid Integration	24,387	30,000	35,000
Solar Energy Technologies	90,000	100,000	110,000
Wind Energy Technologies	56,855	45,688	115,470
Water Power Technologies	21,346	27,509	17,019
Geothermal Technologies	9,712	7,983	24,000
Renewable Energy	202,300	211,180	301,489
Industrial Efficiency & Decarbonization Office	8,676	5,000	9,000
Advanced Materials & Manufacturing Technologies Office	7,470	900	0
Building Technologies	68,227	56,661	55,000
Training and Technical Assistance (EERE)	1,000	1,700	0
State Energy Program Grants (EERE)	800	800	0
Weatherization and Intergovernmental Programs	1,800	2,500	0
Buildings & Industry (formerly Energy Efficiency)	86,173	65,061	64,000
Facilities and Infrastructure - NREL	148,000	205,000	242,391
Facilities and Infrastructure	148,000	205,000	242,391
Strategic Programs	5,500	9,550	21,543
Corporate Support	153,500	214,550	263,934
Energy Sector Industrial Base (MESIC)	0	2,000	0
Training and Technical Assistance (SCEP)	0	0	1,700
State Energy Program Grants (SCEP)	0	0	800
Transmission Reliability and Resilience	2,568	2,000	3,000
Energy Delivery Grid Operations Technology	3,925	2,700	2,770
Resilient Distribution Systems	6,428	5,500	7,800
Cyber Resilient & Secure Utility Communications Network (SecureNet)	1,350	0	0
Grid Controls and Communications	14,271	10,200	13,570
Energy Storage R&D	545	600	700
Energy Storage	545	600	700
Transformer Resilience and Advanced Components	1,238	865	1,200
Grid Hardware, Components, and Systems	1,783	1,465	1,900
Grid Planning and Development (formerly, Transmission Permitting & Tech Assist.)	2,193	0	0
Grid Planning & Development (GDO)	0	5,500	0
Grid Technical Assistance (GDO)	0	3,600	0
Interregional and Offshore Transmission Planning	0	1,500	0
Transmission Planning & Permitting (GDO)	0	0	16,600
Distribution & Markets (GDO)	0	0	6,000
Hydropower Incentives (GDO)	0	0	250
Risk Management Technology and Tools	3,895	8,884	9,595
Response and Restoration	84	1,000	1,696



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
National Renewable Energy Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Policy, Preparedness, and Risk Analysis	600	1,059	1,538
Hydrogen with Carbon Management	114	107	96
Carbon Transport and Storage	1,850	2,098	2,098
Carbon Dioxide Removal	1,779	2,541	2,541
Carbon Utilization	6,139	10,585	0
Carbon Dioxide Conversion	0	0	10,585
Carbon Capture	806	1,099	0
Point-Source Carbon Capture	0	0	1,172
Carbon Management - Policy, Analysis and Engagement (previous 2 controls)	0	0	361
Carbon Management - Policy and Analysis	173	0	0
Carbon Management - Justice and Engagement	72	0	0
Carbon Management Technologies	10,933	16,430	16,853
Mineral Sustainability	2,053	2,092	1,743
Resource Sustainability	2,053	2,092	1,743
Energy Asset Transformation (formerly Repurposing Fossil Energy Assets)	175	210	210
University Training and Research (previous 2 controls)	60	60	88
NEUP, SBIR/STTR, and TCF	25	0	0
Crosscutting Technology Development	119	0	0
Nuclear Energy Enabling Technologies	119	0	0
International Nuclear Energy Cooperation	180	0	0
Strategic Partnership Projects	500	500	500
Other Revenues	-500	-500	-500
Miscellaneous Revenues	-500	-500	-500
Technology Transitions Program Office	7,524	5,500	0
Office of Technology Transitions Program Direction	1,756	0	0
Loan Guarantee Program	0	0	500
<b>Total National Renewable Energy Laboratory</b>	<b>632,173</b>	<b>671,899</b>	<b>821,549</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Naval Petroleum Reserve No 1 FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Naval Petroleum Reserve No 1</b>			
Naval Petroleum and Oil Shale Reserve	11,650	11,004	11,010
<b>Total Naval Petroleum Reserve No 1</b>	<b>11,650</b>	<b>11,004</b>	<b>11,010</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Naval Reactors Facility FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Naval Reactors Facility</b>			
Naval Reactors Development	19,427	17,455	22,065
Naval Reactors Operations and Infrastructure	174,723	156,930	195,094
24-D-530 NRF Medical Science Complex	0	0	36,584
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	388,000	462,494	193,321
Construction - Naval Reactors	388,000	462,494	229,905
<b>Total Naval Reactors Facility</b>	<b>582,150</b>	<b>636,879</b>	<b>447,064</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Naval Reactors Laboratory Field Office FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Naval Reactors Laboratory Field Office</b>			
Program Direction - Naval Reactors	16,485	16,791	17,460
<b>Total Naval Reactors Laboratory Field Office</b>	<b>16,485</b>	<b>16,791</b>	<b>17,460</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Naval Research Laboratory FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Naval Research Laboratory</b>			
Dynamic Materials Properties	0	300	0
Advanced Diagnostics	1,276	1,600	1,600
Secondary Assessment Technologies	1,324	2,500	2,500
Enhanced Capabilities for Subcritical Experiments	400	400	400
Assessment Science	3,000	4,800	4,500
Inertial Confinement Fusion	6,000	4,500	0
Stockpile Research, Technology, and Engineering	9,000	9,300	4,500
<b>Total Naval Research Laboratory</b>	<b>9,000</b>	<b>9,300</b>	<b>4,500</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Nevada Field Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Nevada Field Office</b>			
Hydrodynamic and Subcritical Experiment Execution Support	95	0	0
Assessment Science	95	0	0
Stockpile Research, Technology, and Engineering	95	0	0
Information Technology and Cyber Security	995	1,350	1,560
Counterterrorism and Counterproliferation	0	0	75
Nuclear Counterterrorism & Incident Response	0	0	75
Program Direction - National Nuclear Security Administration	17,199	18,980	19,768
Research - Biological & Environmental Research	30	0	0
Biological and Environmental Research	30	0	0
Program Direction - Nuclear Energy	1,899	1,999	1,989
Environment, Health, Safety & Security	15	15	15
Environment, Health, Safety, and Security	15	15	15
Program Direction - Defense Environmental Cleanup	2,696	3,161	3,280
<b>Total Nevada Field Office</b>	<b>22,929</b>	<b>25,505</b>	<b>26,687</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Nevada National Security Site FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Nevada National Security Site</b>			
Stockpile Sustainment	526	1,571	643
Nuclear Enterprise Assurance	0	4,000	6,000
Stockpile Management	526	5,571	6,643
Enterprise Plutonium Support	13,200	11,087	11,558
Plutonium Modernization	13,200	11,087	11,558
High Explosives & Energetics	2,000	2,500	2,260
HE & Energetics	2,000	2,500	2,260
Primary Capability Modernization	15,200	13,587	13,818
Tritium & Domestic Uranium Enrichment	150	0	163
Tritium and Domestic Uranium Enrichment	150	0	163
Non-Nuclear Capability Modernization	110	50	114
Total, Non-Nuclear Capability Modernization	110	50	114
Capability Based Investments	18,850	16,850	15,000
Production Modernization	34,310	30,487	29,095
Primary Assessment Technologies	1,250	900	1,500
Dynamic Materials Properties	12,145	7,704	10,000
Advanced Diagnostics	6,660	6,124	6,300
Secondary Assessment Technologies	248	0	0
Enhanced Capabilities for Subcritical Experiments	46,527	55,155	33,900
Hydrodynamic and Subcritical Experiment Execution Support	54,200	47,848	51,558
17-D-640, U1a Complex Enhancements Project, NNSS	100,274	48,130	121,570
24-D-513 ZEUS Test Bed Facilities Improvement, NNSS	0	0	80,000
Assessment Science	221,304	165,861	304,828
Archiving and Support	3,353	3,389	3,348
Advanced Certification and Qualification	3,992	3,841	3,985
Engineering and Integrated Assessments	7,345	7,230	7,333
Inertial Confinement Fusion	5,500	4,661	4,000
Weapons Technology & Manufacturing Modernization	1,598	1,220	1,192
Weapons Technology and Manufacturing Maturation	1,598	1,220	1,192
Stockpile Research, Technology, and Engineering	235,747	178,972	317,353
Operations of Facilities	105,000	105,000	105,000
Safety and Environmental Operations	4,613	3,684	4,178
Maintenance and Repair of Facilities	65,000	70,000	70,000
Infrastructure and Safety	52,213	33,850	60,150
Recapitalization	52,213	33,850	60,150
Operating	226,826	212,534	239,328
Infrastructure and Operations	226,826	212,534	239,328
Program Direction - STA - Federal Support	7	260	347
Secure Transportation Asset	7	260	347
Operations and Maintenance - DNS	90,111	91,130	118,156
Defense Nuclear Security (DNS)	90,111	91,130	118,156
Information Technology and Cyber Security	49,826	40,337	44,594
Nuclear Material Removal	1,706	300	0
Material Management and Minimization	1,706	300	0
Radiological Security	157	0	0
Global Material Security	157	0	0
Nonproliferation & Arms Control	355	1,273	1,168
Proliferation Detection R&D	16,636	17,047	17,274

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Nevada National Security Site FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Nuclear Detonation Detection	48,071	32,093	21,025
Forensics R&D	250	250	137
Nonproliferation Stewardship Program	16,044	20,000	15,968
Defense Nuclear Nonproliferation R&D	81,001	69,390	54,404
Emergency Operations	50	11	62
Counterterrorism and Counterproliferation	43,953	43,352	49,872
Nuclear Counterterrorism & Incident Response	44,003	43,363	49,934
Program Direction - National Nuclear Security Administration	3	3	3
NETL Infrastructure - Fossil Energy	18	13	13
Nevada Site	70,595	58,752	56,775
NNSA Sites and Nevada Off-Sites	70,595	58,752	56,775
<b>Total Nevada National Security Site</b>	<b>835,191</b>	<b>732,385</b>	<b>917,813</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Nevada Operations Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Nevada Operations Office</b>			
Nevada Site	5,142	3,900	5,177
NNSA Sites and Nevada Off-Sites	5,142	3,900	5,177
<b>Total Nevada Operations Office</b>	<b>5,142</b>	<b>3,900</b>	<b>5,177</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
NNSA Albuquerque Complex FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>NNSA Albuquerque Complex</b>			
B61-12 LEP	207,534	322,114	81,029
W88 ALT 370	31,888	46,503	43,949
W80-4 LEP	46,730	106,634	69,631
W80-4 ALT-SLCM	10,000	0	0
W87-1 Modification Program	10,000	15,061	41,605
W93 Program	12,800	69,795	124,594
Stockpile Major Modernization	318,952	560,107	360,808
Stockpile Sustainment	95,817	121,890	86,800
Weapons Dismantlement and Disposition	0	5,667	1,103
Production Operations	11,928	19,378	8,093
Nuclear Enterprise Assurance	0	3,577	6,596
Stockpile Management	426,697	710,619	463,400
Los Alamos Plutonium Operations	8,783	6,565	20,237
21-D-512, Plutonium Pit Production Project, LANL	4,100	0	0
Los Alamos Plutonium Modernization	12,883	6,565	20,237
Enterprise Plutonium Support	6,974	5,235	1,360
Plutonium Modernization	19,857	11,800	21,597
Primary Capability Modernization	19,857	11,800	21,597
Secondary Capability Modernization (SCM)	200	0	0
Secondary Capability Modernization	200	0	0
Tritium & Domestic Uranium Enrichment	144,119	138,086	110,253
Tritium and Domestic Uranium Enrichment	144,119	138,086	110,253
Production Modernization	164,176	149,886	131,850
Dynamic Materials Properties	6,500	6,500	6,500
Secondary Assessment Technologies	50	0	0
Assessment Science	6,550	6,500	6,500
Archiving and Support	821	705	417
Delivery Environments	1,069	1,734	4,309
Weapons Survivability	2,717	3,668	1,767
Studies and Assessments	0	985	6,885
Aging and Lifetimes	10,558	8,293	3,806
Stockpile Responsiveness	2,733	3,290	4,635
Advanced Certification and Qualification	4,216	2,667	904
Engineering and Integrated Assessments	22,114	21,342	22,723
Inertial Confinement Fusion	33,000	35,000	19,000
Weapons Technology & Manufacturing Modernization	9,707	11,288	27,219
Weapons Technology and Manufacturing Maturation	9,707	11,288	27,219
Advanced Simulation and Computing	73,587	212,157	168,000
Advanced Simulation & Computing	73,587	212,157	168,000
Stockpile Research, Technology, and Engineering	144,958	286,287	243,442
Academic Programs and Community Support	110,912	110,912	151,271
Safety and Environmental Operations	0	675	0
Infrastructure and Safety	21,906	0	0
Recapitalization	21,906	0	0
Operating	21,906	675	0
Infrastructure and Operations	21,906	675	0
STA Operations and Equipment	80,713	83,593	106,720
Secure Transportation Asset	80,713	83,593	106,720

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
NNSA Albuquerque Complex FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Operations and Maintenance - DNS	9,137	11,777	11,825
Defense Nuclear Security (DNS)	9,137	11,777	11,825
Conversion	735	0	1,124
Nuclear Material Removal	2,400	0	700
Material Management and Minimization	3,135	0	1,824
International Nuclear Security	6,134	2,817	2,719
Radiological Security	32,015	33,409	33,156
Nuclear Smuggling Detection and Deterrence	71,376	67,681	75,451
Global Material Security	109,525	103,907	111,326
Proliferation Detection R&D	15,720	19,675	20,172
Nuclear Detonation Detection	12,095	11,355	6,373
Forensics R&D	5,000	5,000	566
Nonproliferation Stewardship Program	11,750	13,073	16,780
Defense Nuclear Nonproliferation R&D	44,565	49,103	43,891
Counterterrorism and Counterproliferation	10	6,173	6,556
Nuclear Counterterrorism & Incident Response	10	6,173	6,556
Legacy Contractor Pensions and Settlement Payments - DNN	38,800	55,708	22,587
Program Direction - National Nuclear Security Administration	458	660	660
Strategic Partnership Projects	14,969	4,305	4,400
Other Revenues	-14,969	-4,305	-4,400
Miscellaneous Revenues	-14,969	-4,305	-4,400
Environment, Health, Safety & Security	1,000	1,000	1,000
Environment, Health, Safety, and Security	1,000	1,000	1,000
Enterprise Assessments	150	300	330
Office of Enterprise Assessments	150	300	330
Program Direction - Defense Environmental Cleanup	8,452	8,572	8,702
<b>Total NNSA Albuquerque Complex</b>	<b>1,164,594</b>	<b>1,579,172</b>	<b>1,305,384</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 NNSA Production Office (NPO) FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>NNSA Production Office (NPO)</b>			
06-D-141, Uranium Processing Facility, Y-12	13,000	14,500	22,800
Secondary Capability Modernization	13,000	14,500	22,800
Production Modernization	13,000	14,500	22,800
Conversion	0	0	15,000
Material Disposition	9,220	15,090	22,090
Material Management and Minimization	9,220	15,090	37,090
Program Direction - National Nuclear Security Administration	26,420	30,828	35,539
<b>Total NNSA Production Office (NPO)</b>	<b>48,640</b>	<b>60,418</b>	<b>95,429</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Northeast Gasoline Supply Reserve (NGSR) - South Portland FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Northeast Gasoline Supply Reserve (NGSR) - South Portland</b>			
Northeast Gasoline Supply Reserve	2,562	2,209	2,329
<b>Total Northeast Gasoline Supply Reserve (NGSR) - South Portland</b>	<b>2,562</b>	<b>2,209</b>	<b>2,329</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Northeast Gasoline Supply Reserve (NGSR) - Revere FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Northeast Gasoline Supply Reserve (NGSR) - Revere</b>			
Northeast Gasoline Supply Reserve	4,977	0	0
<b>Total Northeast Gasoline Supply Reserve (NGSR) - Revere</b>	<b>4,977</b>	<b>0</b>	<b>0</b>

**DEPARTMENT OF ENERGY**

**Laboratory Table**

**Northeast Gasoline Supply Reserve (NGSR) - Raritan Bay FY 2024**

(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Northeast Gasoline Supply Reserve (NGSR) - Raritan Bay</b>			
Northeast Gasoline Supply Reserve	14,461	12,871	13,951
<b>Total Northeast Gasoline Supply Reserve (NGSR) - Raritan Bay</b>	<b>14,461</b>	<b>12,871</b>	<b>13,951</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Oak Ridge Institute for Science & Education FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Oak Ridge Institute for Science &amp; Education</b>			
Information Technology and Cyber Security	2,000	2,000	2,000
International Nuclear Security	0	40	39
Global Material Security	0	40	39
Nonproliferation & Arms Control	0	168	149
Counterterrorism and Counterproliferation	3,067	3,693	3,605
Nuclear Counterterrorism & Incident Response	3,067	3,693	3,605
Research - Advanced Scientific Computing Research	48	0	0
Advanced Scientific Computing Research	48	0	0
Research - Basic Energy Sciences	106	0	0
Basic Energy Sciences	106	0	0
Research - Biological & Environmental Research	1,942	1,348	1,348
Biological and Environmental Research	1,942	1,348	1,348
Research - Fusion Energy Sciences	100	20	0
Fusion Energy Sciences	100	20	0
Operations and Maintenance - Nuclear Physics	0	455	455
Nuclear Physics	0	455	455
Safeguards and Security - SC	3,861	3,690	3,623
Vehicle Technologies	1,126	850	1,200
Bioenergy Technologies	1,100	500	500
Hydrogen and Fuel Cells Technologies	1,285	1,000	1,150
Sustainable Transportation and Fuels	3,511	2,350	2,850
Solar Energy Technologies	900	1,000	1,000
Wind Energy Technologies	786	0	0
Geothermal Technologies	380	0	0
Renewable Energy	2,066	1,000	1,000
Industrial Efficiency & Decarbonization Office	1,962	3,000	3,500
Advanced Materials & Manufacturing Technologies Office	5,052	2,900	2,000
Building Technologies	4,978	7,500	7,500
Training and Technical Assistance (EERE)	400	500	0
State Energy Program Grants (EERE)	1,000	1,000	0
Weatherization and Intergovernmental Programs	1,400	1,500	0
Buildings & Industry (formerly Energy Efficiency)	13,392	14,900	13,000
Strategic Programs	0	160	1,207
Corporate Support	0	160	1,207
Training and Technical Assistance (SCEP)	0	0	500
State Energy Program Grants (SCEP)	0	0	1,000
Risk Management Technology and Tools	0	11	12
Hydrogen with Carbon Management	1,623	1,526	1,366
Carbon Dioxide Removal	1,450	2,071	2,071
Carbon Utilization	346	597	0
Carbon Dioxide Conversion	0	0	597
Carbon Capture	132	180	0
Point-Source Carbon Capture	0	0	192
Carbon Management Technologies	3,551	4,374	4,226
Advanced Remediation Technologies	187	185	44
Methane Mitigation Technologies	472	726	1,210
Mineral Sustainability	1,755	1,788	1,490
Resource Sustainability	2,414	2,699	2,744



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Oak Ridge Institute for Science & Education FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Program Direction - Fossil Energy	563	592	779
University Nuclear Leadership Program	0	0	500
NEUP, SBIR/STTR, and TCF	0	500	0
Joint Modeling and Simulation Program	100	0	0
Nuclear Energy Enabling Technologies	100	0	0
Idaho Sitewide Safeguards & Security (050)	100	0	0
Program Direction - Nuclear Energy	45	200	352
Environment, Health, Safety & Security	1,305	1,255	1,255
Environment, Health, Safety, and Security	1,305	1,255	1,255
Technology Transitions Program Office	562	0	0
Office of Technology Transitions Program Direction	40	500	0
<b>Total Oak Ridge Institute for Science &amp; Education</b>	<b>38,773</b>	<b>39,955</b>	<b>40,644</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Oak Ridge National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Oak Ridge National Laboratory</b>			
Secondary Capability Modernization (SCM)	45	0	0
Secondary Capability Modernization	45	0	0
Tritium & Domestic Uranium Enrichment	0	62,760	120,000
Tritium and Domestic Uranium Enrichment	0	62,760	120,000
Non-Nuclear Capability Modernization	0	600	0
Total, Non-Nuclear Capability Modernization	0	600	0
Capability Based Investments	665	601	0
Production Modernization	710	63,961	120,000
Aging and Lifetimes	1,000	200	0
Engineering and Integrated Assessments	1,000	200	0
Weapons Technology & Manufacturing Modernization	50	0	0
Weapons Technology and Manufacturing Maturation	50	0	0
Advanced Simulation and Computing	831	0	0
Advanced Simulation & Computing	831	0	0
Stockpile Research, Technology, and Engineering	1,881	200	0
Safety and Environmental Operations	9,255	7,705	8,479
Operating	9,255	7,705	8,479
Infrastructure and Operations	9,255	7,705	8,479
Conversion	3,932	3,642	1,587
Nuclear Material Removal	8,613	4,550	4,975
Material Disposition	3,538	8,800	6,600
Material Management and Minimization	16,083	16,992	13,162
International Nuclear Security	13,286	15,448	14,511
Radiological Security	20,511	20,254	21,951
Nuclear Smuggling Detection and Deterrence	12,907	20,630	17,170
Global Material Security	46,704	56,332	53,632
Nonproliferation & Arms Control	20,355	31,579	29,072
Proliferation Detection R&D	37,070	36,965	36,496
Nuclear Detonation Detection	180	0	452
Nonproliferation Fuels Development	1,227	6,000	0
Forensics R&D	3,725	3,650	4,194
Nonproliferation Stewardship Program	18,750	37,827	22,408
Defense Nuclear Nonproliferation R&D	60,952	84,442	63,550
NNSA Bioassurance Program	0	2,500	1,250
Counterterrorism and Counterproliferation	10,613	7,740	8,800
Nuclear Counterterrorism & Incident Response	10,613	7,740	8,800
Program Direction - National Nuclear Security Administration	7	7	7
Research - Advanced Scientific Computing Research	257,983	251,831	254,250
17-SC-20, SC Exascale Computing Project (ECP)	129,000	77,000	14,000
Advanced Scientific Computing Research	386,983	328,831	268,250
Research - Basic Energy Sciences	343,198	381,174	438,634
24-SC-10, HFIR Pressure Vessel Replacement (PVR), ORNL	0	0	4,000
19-SC-14, Second Target Station (STS), ORNL	32,000	32,000	52,000
18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL	17,000	17,000	15,769
Construction - Basic Energy Sciences	49,000	49,000	71,769
Basic Energy Sciences	392,198	430,174	510,403
Research - Biological & Environmental Research	85,661	93,265	91,288
Biological and Environmental Research	85,661	93,265	91,288

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Oak Ridge National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Research - Fusion Energy Sciences	31,091	27,821	40,891
14-SC-60, U.S. Contributions to ITER (U.S. ITER)	242,000	242,000	240,000
Construction - Fusion Energy Sciences	242,000	242,000	240,000
Fusion Energy Sciences	273,091	269,821	280,891
Research - High Energy Physics	990	1,830	1,660
High Energy Physics	990	1,830	1,660
Operations and Maintenance - Nuclear Physics	16,932	16,627	16,627
Nuclear Physics	16,932	16,627	16,627
Research - Accelerator R&D and Production	57	0	62
Accelerator R&D and Production	57	0	62
Oak Ridge Nuclear Operations	26,000	26,000	46,000
22-SC-71, Critical Infrastructure Modernization Project, ORNL	1,000	1,000	0
19-SC-73, Translational Research Capability, ORNL	21,500	0	0
Construction - Science Laboratories Infrastructure	22,500	1,000	0
Science Laboratories Infrastructure	48,500	27,000	46,000
Safeguards and Security - SC	35,799	38,805	39,350
Vehicle Technologies	47,464	35,500	50,000
Bioenergy Technologies	13,000	10,500	10,000
Hydrogen and Fuel Cells Technologies	3,781	3,600	3,725
Sustainable Transportation and Fuels	64,245	49,600	63,725
Renewable Energy Grid Integration	800	2,000	4,000
Solar Energy Technologies	900	1,000	1,000
Wind Energy Technologies	2,991	1,724	6,239
Water Power Technologies	9,018	10,959	5,715
Geothermal Technologies	2,270	2,204	0
Renewable Energy	15,979	17,887	16,954
Industrial Efficiency & Decarbonization Office	11,125	18,150	20,000
Advanced Materials & Manufacturing Technologies Office	31,373	0	0
Building Technologies	30,359	33,083	35,000
Training and Technical Assistance (EERE)	1,000	1,800	0
State Energy Program Grants (EERE)	100	100	0
Weatherization and Intergovernmental Programs	1,100	1,900	0
Buildings & Industry (formerly Energy Efficiency)	73,957	53,133	55,000
Training and Technical Assistance (SCEP)	0	0	1,800
State Energy Program Grants (SCEP)	0	0	300
Transmission Reliability and Resilience	1,370	3,800	5,900
Energy Delivery Grid Operations Technology	890	3,000	3,100
Resilient Distribution Systems	13,440	6,700	4,200
Cyber Resilient & Secure Utility Communications Network (SecureNet)	8,954	14,591	0
Grid Controls and Communications	24,654	28,091	13,200
Energy Storage R&D	2,762	3,000	3,500
Energy Storage	2,762	3,000	3,500
Transformer Resilience and Advanced Components	6,723	5,250	2,000
Applied Grid Transformation Solutions	0	450	0
Grid Hardware, Components, and Systems	9,485	8,700	5,500
Grid Planning and Development (formerly, Transmission Permitting & Tech Assist.)	80	0	0
Risk Management Technology and Tools	8,543	11,073	14,959
Response and Restoration	1,414	750	1,272
Strategic Petroleum Reserve (SPR)	570	570	600
Hydrogen with Carbon Management	3,038	2,857	2,557

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Oak Ridge National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Carbon Utilization	1,782	3,072	0
Carbon Dioxide Conversion	0	0	3,072
Carbon Capture	1,468	2,002	0
Point-Source Carbon Capture	0	0	2,136
Carbon Management Technologies	6,288	7,931	7,765
Methane Mitigation Technologies	456	701	1,169
Resource Sustainability	456	701	1,169
Energy Asset Transformation (formerly Repurposing Fossil Energy Assets)	3	3	3
University Training and Research (previous 2 controls)	17	17	25
NEUP, SBIR/STTR, and TCF	480	0	0
LWR Sustainability	4,856	4,960	3,776
Advanced Reactor Technologies	2,886	1,294	4,000
Reactor Concepts RD&D	7,742	6,254	7,776
Materials Recovery and Waste Form Development	1,900	1,442	1,442
Accident Tolerant Fuels	9,250	7,304	7,304
TRISO and Graphite Qualification	3,000	3,776	2,950
Fuel Cycle Core R&D	4,652	2,167	2,167
Advanced Nuclear Fuel Availability	0	5,745	5,745
Used Nuclear Fuel Disposition R&D	3,700	3,300	3,300
Integrated Waste Management System	4,000	5,990	6,000
Fuel Cycle Research & Development	26,502	29,724	28,908
Crosscutting Technology Development	1,376	1,817	1,800
Joint Modeling and Simulation Program	5,177	4,305	5,200
National Scientific User Facility	0	0	1,170
Transformational Challenge Reactor	21,500	0	0
Nuclear Energy Enabling Technologies	28,053	6,122	8,170
National Reactor Innovation Center	100	100	50
Demonstration 1 (X-Energy)	392	0	0
Demonstration 2 (Sodium)	371	0	0
Risk Reduction for Future Demonstrations	0	11,900	10,000
Regulatory Development	3,400	1,905	2,080
Advanced Reactor Safeguards	673	550	800
Advanced Reactors Demonstration Program	4,936	14,455	12,930
ORNL Nuclear Facilities O&M	19,754	20,000	0
Infrastructure	19,754	20,000	0
International Nuclear Energy Cooperation	1,170	0	1,025
Environment, Health, Safety & Security	1,035	1,035	1,035
Environment, Health, Safety, and Security	1,035	1,035	1,035
Advanced Technology Vehicle Manufacturing Loan Program	0	200	500
OR Nuclear Facility D&D	337,062	334,221	335,000
U233 Disposition Program	55,000	55,628	55,000
Oak Ridge (OR)	392,062	389,849	390,000
<b>Total Oak Ridge National Laboratory</b>	<b>2,094,196</b>	<b>2,123,906</b>	<b>2,185,099</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Oak Ridge National Laboratory Site Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Oak Ridge National Laboratory Site Office</b>			
Program Direction - SC	4,700	7,626	8,006
Interim Storage	475	0	0
Loan Guarantee Program	0	79	79
<b>Total Oak Ridge National Laboratory Site Office</b>	<b>5,175</b>	<b>7,705</b>	<b>8,085</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Oak Ridge Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Oak Ridge Office</b>			
Advanced Nuclear Fuel Availability	199	0	0
Fuel Cycle Research & Development	199	0	0
Environment, Health, Safety & Security	2,795	2,795	2,795
Environment, Health, Safety, and Security	2,795	2,795	2,795
Program Direction - Defense Environmental Cleanup	15,148	17,713	17,701
<b>Total Oak Ridge Office</b>	<b>18,142</b>	<b>20,508</b>	<b>20,496</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Oak Ridge Reservation FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Oak Ridge Reservation</b>			
OR Cleanup and Waste Disposition	73,725	62,000	72,000
Oak Ridge (OR)	73,725	62,000	72,000
<b>Total Oak Ridge Reservation</b>	<b>73,725</b>	<b>62,000</b>	<b>72,000</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Oak Ridge Reservation (Off-Site) FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Oak Ridge Reservation (Off-Site)</b>			
OR Community and Regulatory Support	5,096	5,300	5,500
Oak Ridge (OR)	5,096	5,300	5,500
<b>Total Oak Ridge Reservation (Off-Site)</b>	<b>5,096</b>	<b>5,300</b>	<b>5,500</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Office of River Protection FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Office of River Protection</b>			
Waste Treatment Immobilization Plant Commissioning	50,000	50,000	466,000
Rad Liquid Tank Waste Stabilization and Disposition	837,642	851,100	813,625
01-D-16D High-Level Waste Facility	144,358	392,200	600,000
01-D-16E Pretreatment Facility	20,000	20,000	20,000
15-D-409 Low Activity Waste Pretreatment System	0	0	60,000
18-D-16 Waste treatment and immobilization plant - LBL/Direct Feed LAW	586,000	412,700	0
23-D-403, Hanford 200 West Area Tank Farms Risk Management Project	0	4,408	15,309
Construction - Office of River Protection	750,358	829,308	695,309
ORP Low-Level Waste Offsite Disposal	7,000	0	0
Office of River Protection (ORP)	1,645,000	1,730,408	1,974,934
Program Direction - Defense Environmental Cleanup	24,026	26,909	28,048
<b>Total Office of River Protection</b>	<b>1,669,026</b>	<b>1,757,317</b>	<b>2,002,982</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Office of Scientific & Technical Information FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Office of Scientific &amp; Technical Information</b>			
Primary Assessment Technologies	220	220	220
Assessment Science	220	220	220
Stockpile Research, Technology, and Engineering	220	220	220
Information Technology and Cyber Security	328	439	444
Nuclear Detonation Detection	14	80	73
Defense Nuclear Nonproliferation R&D	14	80	73
Research - Advanced Scientific Computing Research	309	0	0
Advanced Scientific Computing Research	309	0	0
Research - Basic Energy Sciences	684	0	0
Basic Energy Sciences	684	0	0
Research - Biological & Environmental Research	274	0	0
Biological and Environmental Research	274	0	0
Research - Fusion Energy Sciences	0	6	0
Fusion Energy Sciences	0	6	0
Operations and Maintenance - Nuclear Physics	455	0	0
Nuclear Physics	455	0	0
Facilities and Infrastructure (SLI)	200	200	0
Science Laboratories Infrastructure	200	200	0
Safeguards and Security - SC	2,045	2,251	2,258
Program Direction - SC	10,908	12,829	13,549
Environment, Health, Safety & Security	300	300	300
Environment, Health, Safety, and Security	300	300	300
<b>Total Office of Scientific &amp; Technical Information</b>	<b>15,737</b>	<b>16,325</b>	<b>16,844</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Pacific Northwest National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Pacific Northwest National Laboratory</b>			
Nuclear Enterprise Assurance	0	3,230	4,000
Stockpile Management	0	3,230	4,000
Secondary Capability Modernization (SCM)	2,420	3,885	2,875
Secondary Capability Modernization	2,420	3,885	2,875
Tritium & Domestic Uranium Enrichment	67,451	79,843	70,732
Tritium and Domestic Uranium Enrichment	67,451	79,843	70,732
Non-Nuclear Capability Modernization	777	480	830
Total, Non-Nuclear Capability Modernization	777	480	830
Capability Based Investments	0	3,685	0
Production Modernization	70,648	87,893	74,437
Aging and Lifetimes	0	400	0
Engineering and Integrated Assessments	0	400	0
Weapons Technology & Manufacturing Modernization	1,530	1,350	810
Weapons Technology and Manufacturing Maturation	1,530	1,350	810
Stockpile Research, Technology, and Engineering	1,530	1,750	810
Safety and Environmental Operations	6,190	3,036	2,940
Operating	6,190	3,036	2,940
Infrastructure and Operations	6,190	3,036	2,940
Information Technology and Cyber Security	3	250	0
Conversion	16,815	16,679	12,628
Nuclear Material Removal	575	0	200
Material Disposition	4,575	3,200	2,984
Material Management and Minimization	21,965	19,879	15,812
International Nuclear Security	26,519	15,067	14,710
Radiological Security	89,653	72,198	75,186
Nuclear Smuggling Detection and Deterrence	82,569	52,242	50,653
Global Material Security	198,741	139,507	140,549
Nonproliferation & Arms Control	21,093	36,470	33,574
Proliferation Detection R&D	27,083	27,074	27,246
Nuclear Detonation Detection	16,355	18,171	20,009
Forensics R&D	5,791	5,594	5,419
Nonproliferation Stewardship Program	20,425	8,901	3,603
Defense Nuclear Nonproliferation R&D	69,654	59,740	56,277
NNSA Bioassurance Program	0	2,500	3,750
18-D-150, Surplus Plutonium Disposition Project, SRS	2,700	0	0
Nonproliferation Construction	2,700	0	0
Emergency Operations	1,326	1,326	1,831
Counterterrorism and Counterproliferation	6,789	5,939	5,541
Nuclear Counterterrorism & Incident Response	8,115	7,265	7,372
Program Direction - National Nuclear Security Administration	1,500	1,500	1,532
Research - Advanced Scientific Computing Research	600	3,664	2,764
Advanced Scientific Computing Research	600	3,664	2,764
Research - Basic Energy Sciences	25,494	28,356	28,356
Basic Energy Sciences	25,494	28,356	28,356
Research - Biological & Environmental Research	138,574	168,205	141,684
24-SC-31, Microbial Molecular Phenotyping Capability (M2PC), PNNL	0	0	10,000
Biological and Environmental Research - Construction	0	0	10,000
Biological and Environmental Research	138,574	168,205	151,684

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Pacific Northwest National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Research - Fusion Energy Sciences	828	1,413	1,513
Fusion Energy Sciences	828	1,413	1,513
Research - High Energy Physics	1,300	1,850	1,750
High Energy Physics	1,300	1,850	1,750
Operations and Maintenance - Nuclear Physics	500	818	818
Nuclear Physics	500	818	818
Facilities and Infrastructure (SLI)	1,600	5,400	6,000
Science Laboratories Infrastructure	1,600	5,400	6,000
Safeguards and Security - SC	18,893	19,958	17,529
Vehicle Technologies	33,432	31,000	34,000
Bioenergy Technologies	21,500	12,000	12,000
Hydrogen and Fuel Cells Technologies	6,350	6,500	6,000
Sustainable Transportation and Fuels	61,282	49,500	52,000
Renewable Energy Grid Integration	3,083	5,000	6,000
Wind Energy Technologies	7,218	7,517	19,499
Water Power Technologies	21,732	20,610	9,388
Geothermal Technologies	1,620	330	0
Renewable Energy	33,653	33,457	34,887
Industrial Efficiency & Decarbonization Office	300	1,000	0
Advanced Materials & Manufacturing Technologies Office	30	0	0
Building Technologies	46,432	39,724	40,000
State Energy Program Grants (EERE)	400	400	0
Weatherization and Intergovernmental Programs	400	400	0
Buildings & Industry (formerly Energy Efficiency)	47,162	41,124	40,000
Strategic Programs	350	770	1,673
Corporate Support	350	770	1,673
Facility and Workforce Assistance (MESC)	600	0	0
State Energy Program Grants (SCEP)	0	0	400
Transmission Reliability and Resilience	5,279	4,300	6,600
Energy Delivery Grid Operations Technology	1,968	6,200	6,430
Resilient Distribution Systems	10,293	11,400	17,300
Cyber Resilient & Secure Utility Communications Network (SecureNet)	1,524	0	0
Grid Controls and Communications	19,064	21,900	30,330
Energy Storage R&D	18,287	21,000	36,000
20-OE-100 Grid Storage Launchpad	46,600	0	0
Energy Storage	64,887	21,000	36,000
Transformer Resilience and Advanced Components	638	500	700
Grid Hardware, Components, and Systems	65,525	21,500	36,700
Electricity Innovation and Transition	799	2,000	3,000
Grid Planning and Development (formerly, Transmission Permitting & Tech Assist.)	2,073	0	0
Grid Planning & Development (GDO)	0	5,500	0
Grid Technical Assistance (GDO)	0	3,000	0
Transmission Planning & Permitting (GDO)	0	0	12,000
Distribution & Markets (GDO)	0	0	2,000
Risk Management Technology and Tools	10,458	6,825	8,371
Policy, Preparedness, and Risk Analysis	190	900	1,307
Hydrogen with Carbon Management	2,845	2,676	2,394
Carbon Transport and Storage	4,442	5,037	5,037
Carbon Utilization	764	1,318	0
Carbon Dioxide Conversion	0	0	1,318

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Pacific Northwest National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Carbon Capture	2,490	3,396	0
Point-Source Carbon Capture	0	0	3,622
Carbon Management - Policy, Analysis and Engagement (previous 2 controls)	0	0	4,181
Carbon Management - Policy and Analysis	2,007	0	0
Carbon Management - Justice and Engagement	836	0	0
Carbon Management Technologies	13,384	12,427	16,552
Advanced Remediation Technologies	412	407	96
Methane Mitigation Technologies	3,418	5,259	8,765
Natural Gas Decarbonization and Hydrogen Technologies	6,960	9,048	6,960
Resource Sustainability	10,790	14,714	15,821
NEUP, SBIR/STTR, and TCF	700	0	0
Advanced Reactor Technologies	3,390	1,555	4,000
Reactor Concepts RD&D	3,390	1,555	4,000
Materials Recovery and Waste Form Development	1,390	889	889
Accident Tolerant Fuels	75	93	93
Fuel Cycle Core R&D	1,772	1,445	1,445
Advanced Nuclear Fuel Availability	0	5,745	5,745
Used Nuclear Fuel Disposition R&D	9,050	6,800	6,800
Integrated Waste Management System	3,500	13,000	16,000
Fuel Cycle Research & Development	15,787	27,972	30,972
Crosscutting Technology Development	1,256	1,540	1,600
Transformational Challenge Reactor	300	0	0
Nuclear Energy Enabling Technologies	1,556	1,540	1,600
National Reactor Innovation Center	90	50	0
Demonstration 2 (Natrium)	585	0	0
Regulatory Development	568	150	300
Advanced Reactor Safeguards	350	450	450
Advanced Reactors Demonstration Program	1,593	650	750
International Nuclear Energy Cooperation	70	0	180
Oversight Activities Nuclear Waste Disposal	530	700	700
Interim Storage	4,559	0	0
Environment, Health, Safety & Security	1,905	1,905	1,905
Environment, Health, Safety, and Security	1,905	1,905	1,905
Technology Transitions Program Office	0	40	0
Office of Technology Transitions Program Direction	225	0	0
<b>Total Pacific Northwest National Laboratory</b>	<b>885,573</b>	<b>840,663</b>	<b>846,615</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Pacific Northwest Site Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Pacific Northwest Site Office</b>			
Program Direction - SC	5,025	6,125	6,412
<b>Total Pacific Northwest Site Office</b>	<b>5,025</b>	<b>6,125</b>	<b>6,412</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Paducah Gaseous Diffusion Plant FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Paducah Gaseous Diffusion Plant</b>			
Program Direction - Defense Environmental Cleanup	14,611	15,015	15,478
Safeguards and Security - Defense Environmental Cleanup	16,206	16,106	16,530
Gaseous Diffusion Plants	59,863	70,921	67,107
Nuclear Facility D&D, Paducah	240,000	240,000	217,874
Pension and Community and Regulatory Support	2,739	2,782	2,838
<b>Total Paducah Gaseous Diffusion Plant</b>	<b>333,419</b>	<b>344,824</b>	<b>319,827</b>

**DEPARTMENT OF ENERGY**

**Laboratory Table**  
**Pantex Plant FY 2024**  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Pantex Plant</b>			
B61-12 LEP	62,445	65,805	81,738
W88 ALT 370	52,136	46,404	88,544
W80-4 LEP	30,450	64,050	79,680
W87-1 Modification Program	12,000	18,000	38,828
W93 Program	1,000	2,000	4,000
Stockpile Major Modernization	158,031	196,259	292,790
Stockpile Sustainment	103,924	106,014	130,209
Weapons Dismantlement and Disposition	27,086	12,537	23,466
Production Operations	121,227	122,023	127,682
Nuclear Enterprise Assurance	0	3,010	3,621
Stockpile Management	410,268	439,843	577,768
Enterprise Plutonium Support	0	254	300
Plutonium Modernization	0	254	300
High Explosives & Energetics	14,000	20,000	18,500
21-D-510, HE Synthesis, Formulation, and Production, PX	43,500	107,000	0
15-D-301, HE Science & Engineering Facility, PX	0	19,500	100,356
HE & Energetics	57,500	146,500	118,856
Primary Capability Modernization	57,500	146,754	119,156
Non-Nuclear Capability Modernization	60	79	66
Total, Non-Nuclear Capability Modernization	60	79	66
Capability Based Investments	10,670	18,590	11,000
Production Modernization	68,230	165,423	130,222
Studies and Assessments	0	100	1,000
Aging and Lifetimes	2,600	3,089	2,360
Stockpile Responsiveness	2,097	3,600	3,669
Advanced Certification and Qualification	901	1,281	1,497
Engineering and Integrated Assessments	5,598	8,070	8,526
Weapons Technology & Manufacturing Modernization	3,528	2,944	7,173
Weapons Technology and Manufacturing Maturation	3,528	2,944	7,173
Stockpile Research, Technology, and Engineering	9,126	11,014	15,699
Operations of Facilities	80,000	83,000	83,000
Safety and Environmental Operations	26,660	23,002	17,654
Maintenance and Repair of Facilities	115,000	108,000	118,000
Infrastructure and Safety	69,764	41,989	36,600
Recapitalization	69,764	41,989	36,600
Operating	291,424	255,991	255,254
24-D-510 Analytic Gas Laboratory, PX	0	0	35,000
Mission Enabling Construction	0	0	35,000
I&O - Construction	0	0	35,000
Infrastructure and Operations	291,424	255,991	290,254
STA Operations and Equipment	7,139	6,259	8,485
Secure Transportation Asset	7,139	6,259	8,485
Operations and Maintenance - DNS	147,100	155,621	161,995
Defense Nuclear Security (DNS)	147,100	155,621	161,995
Information Technology and Cyber Security	8,721	9,263	11,306
Material Disposition	5,800	6,000	5,433
Material Management and Minimization	5,800	6,000	5,433
Nonproliferation & Arms Control	881	4,774	4,396



**DEPARTMENT OF ENERGY**

**Laboratory Table**  
**Pantex Plant FY 2024**  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Counterterrorism and Counterproliferation	3,706	4,025	3,237
Nuclear Counterterrorism & Incident Response	3,706	4,025	3,237
Environment, Health, Safety & Security	10	10	10
Environment, Health, Safety, and Security	10	10	10
<b>Total Pantex Plant</b>	<b>952,405</b>	<b>1,058,223</b>	<b>1,208,805</b>

**DEPARTMENT OF ENERGY**

**Laboratory Table**  
**Pinellas Site FY 2024**  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Pinellas Site</b>			
Legacy Management Activities - Defense	3,664	4,164	3,749
Legacy Management	3,664	4,164	3,749
<b>Total Pinellas Site</b>	<b>3,664</b>	<b>4,164</b>	<b>3,749</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Portsmouth Gaseous Diffusion Plant FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Portsmouth Gaseous Diffusion Plant</b>			
Secondary Capability Modernization (SCM)	0	10,000	30,000
Secondary Capability Modernization	0	10,000	30,000
Tritium & Domestic Uranium Enrichment	0	30,000	30,000
Tritium and Domestic Uranium Enrichment	0	30,000	30,000
Production Modernization	0	40,000	60,000
Legacy Management Activities - Defense	4,200	4,300	4,000
Legacy Management	4,200	4,300	4,000
Safeguards and Security - Defense Environmental Cleanup	16,690	16,590	17,364
Gaseous Diffusion Plants	61,340	60,017	65,876
Nuclear Facility D&D, Portsmouth	392,911	424,354	418,258
15-U-408 On-Site Waste Disposal Facility, Portsmouth	8,900	0	0
20-U-401 On-site Waste Disposal Facility	65,235	56,040	74,552
Construction - Portsmouth	74,135	56,040	74,552
Pension and Community and Regulatory Support	4,060	23,130	3,560
<b>Total Portsmouth Gaseous Diffusion Plant</b>	<b>553,336</b>	<b>624,431</b>	<b>643,610</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Princeton Plasma Physics Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Princeton Plasma Physics Laboratory</b>			
Inertial Confinement Fusion	465	0	0
Stockpile Research, Technology, and Engineering	465	0	0
Proliferation Detection R&D	460	855	876
Defense Nuclear Nonproliferation R&D	460	855	876
Research - Fusion Energy Sciences	79,185	63,775	65,339
Fusion Energy Sciences	79,185	63,775	65,339
21-SC-71, Princeton Plasma Innovation Center, PPPL	7,750	10,000	15,000
21-SC-72, Critical Infrastructure Recovery & Renewal, PPPL	2,000	4,000	10,000
20-SC-76, Tritium System Demolition and Disposal, PPPL (20-SC-78)	6,400	0	0
Construction - Science Laboratories Infrastructure	16,150	14,000	25,000
Science Laboratories Infrastructure	16,150	14,000	25,000
Safeguards and Security - SC	5,586	6,839	6,037
Technology Transitions Program Office	89	0	0
<b>Total Princeton Plasma Physics Laboratory</b>	<b>101,935</b>	<b>85,469</b>	<b>97,252</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Princeton Site Office FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Princeton Site Office</b>			
Program Direction - SC	1,964	2,135	2,243
<b>Total Princeton Site Office</b>	<b>1,964</b>	<b>2,135</b>	<b>2,243</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Richland Operations Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Richland Operations Office</b>			
Counterterrorism and Counterproliferation	2,251	1,701	3,020
Nuclear Counterterrorism & Incident Response	2,251	1,701	3,020
Program Direction - National Nuclear Security Administration	7	7	7
Response and Restoration	4,750	6,793	13,519
Policy, Preparedness, and Risk Analysis	200	325	472
Strategic Partnership Projects	100	100	100
Other Revenues	-100	-100	-100
Miscellaneous Revenues	-100	-100	-100
Environment, Health, Safety & Security	1,000	1,000	1,000
Environment, Health, Safety, and Security	1,000	1,000	1,000
Richland Community and Regulatory Support	8,621	10,013	10,100
Richland	8,621	10,013	10,100
Program Direction - Defense Environmental Cleanup	43,187	45,901	48,772
<b>Total Richland Operations Office</b>	<b>60,016</b>	<b>65,740</b>	<b>76,890</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Rocky Flats Site FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Rocky Flats Site</b>			
Legacy Management Activities - Defense	32,996	40,735	26,728
Legacy Management	32,996	40,735	26,728
Closure Sites Administration	582	553	100
<b>Total Rocky Flats Site</b>	<b>33,578</b>	<b>41,288</b>	<b>26,828</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Sandia National Laboratories FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Sandia National Laboratories</b>			
B61-12 LEP	99,362	56,528	39,184
W88 ALT 370	26,473	12,145	14,038
W80-4 LEP	483,479	489,539	368,703
W87-1 Modification Program	225,000	307,500	443,456
W93 Program	22,000	54,865	71,151
Stockpile Major Modernization	856,314	920,577	936,532
Stockpile Sustainment	394,410	385,089	401,206
Weapons Dismantlement and Disposition	3,500	2,450	2,800
Production Operations	136,796	171,934	192,190
Nuclear Enterprise Assurance	0	6,257	12,278
Stockpile Management	1,391,020	1,486,307	1,545,006
21-D-511, Savannah River Plutonium Processing Facility, SRS	1,250	0	0
Savannah River Plutonium Modernization	1,250	0	0
Plutonium Modernization	1,250	0	0
High Explosives & Energetics	14,200	14,700	15,200
HE & Energetics	14,200	14,700	15,200
Primary Capability Modernization	15,450	14,700	15,200
Tritium & Domestic Uranium Enrichment	527	905	664
Tritium and Domestic Uranium Enrichment	527	905	664
Non-Nuclear Capability Modernization	51,355	60,046	62,000
22-D-513, Power Sources Capability, SNL	8,000	0	36,386
Total, Non-Nuclear Capability Modernization	59,355	60,046	98,386
Capability Based Investments	19,800	17,600	29,000
Production Modernization	95,132	93,251	143,250
Primary Assessment Technologies	12,000	11,000	10,500
Dynamic Materials Properties	15,625	15,536	15,776
Advanced Diagnostics	10,190	8,200	9,449
Secondary Assessment Technologies	8,930	6,250	7,049
Enhanced Capabilities for Subcritical Experiments	22,461	27,801	41,000
Hydrodynamic and Subcritical Experiment Execution Support	1,700	0	0
Assessment Science	70,906	68,787	83,774
Archiving and Support	9,614	8,750	5,692
Delivery Environments	14,812	13,433	12,979
Weapons Survivability	26,196	58,433	53,960
Studies and Assessments	0	1,750	25,000
Aging and Lifetimes	19,200	19,200	15,377
Stockpile Responsiveness	11,885	13,000	17,346
Advanced Certification and Qualification	6,653	7,819	7,088
Engineering and Integrated Assessments	88,360	122,385	137,442
Inertial Confinement Fusion	67,138	82,600	76,638
Weapons Technology & Manufacturing Modernization	122,116	122,605	122,728
Weapons Technology and Manufacturing Maturation	122,116	122,605	122,728
Advanced Simulation and Computing	175,618	168,999	170,704
Advanced Simulation & Computing	175,618	168,999	170,704
Stockpile Research, Technology, and Engineering	524,138	565,376	591,286
Operations of Facilities	125,000	106,000	103,000
Safety and Environmental Operations	7,700	11,069	11,417
Maintenance and Repair of Facilities	24,000	24,000	33,000



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Sandia National Laboratories FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Infrastructure and Safety	61,176	45,179	58,587
Recapitalization	61,176	45,179	58,587
Operating	217,876	186,248	206,004
Infrastructure and Operations	217,876	186,248	206,004
STA Operations and Equipment	88,285	75,555	69,906
Secure Transportation Asset	88,285	75,555	69,906
Operations and Maintenance - DNS	74,386	74,097	77,198
Defense Nuclear Security (DNS)	74,386	74,097	77,198
Information Technology and Cyber Security	38,153	48,701	48,741
Conversion	550	775	573
Nuclear Material Removal	100	0	0
Material Disposition	1,628	500	452
Material Management and Minimization	2,278	1,275	1,025
International Nuclear Security	20,114	18,657	18,790
Global Material Security	20,114	18,657	18,790
Nonproliferation & Arms Control	10,748	13,421	12,359
Proliferation Detection R&D	31,535	35,947	32,807
Nuclear Detonation Detection	102,224	94,272	111,213
Forensics R&D	2,000	1,650	1,865
Nonproliferation Stewardship Program	1,200	450	886
Defense Nuclear Nonproliferation R&D	136,959	132,319	146,771
NNSA Bioassurance Program	0	5,000	5,000
Counterterrorism and Counterproliferation	61,083	74,115	81,236
Nuclear Counterterrorism & Incident Response	61,083	74,115	81,236
Research - Advanced Scientific Computing Research	14,862	16,171	14,912
Advanced Scientific Computing Research	14,862	16,171	14,912
Research - Basic Energy Sciences	24,390	24,601	24,853
Basic Energy Sciences	24,390	24,601	24,853
Research - Biological & Environmental Research	16,535	15,394	12,974
Biological and Environmental Research	16,535	15,394	12,974
Research - Fusion Energy Sciences	1,700	1,735	1,935
Fusion Energy Sciences	1,700	1,735	1,935
Research - High Energy Physics	500	115	100
High Energy Physics	500	115	100
Vehicle Technologies	8,745	6,700	9,000
Bioenergy Technologies	7,500	4,000	4,000
Hydrogen and Fuel Cells Technologies	7,624	7,300	7,300
Sustainable Transportation and Fuels	23,869	18,000	20,300
Renewable Energy Grid Integration	0	400	1,516
Solar Energy Technologies	6,600	7,000	8,000
Wind Energy Technologies	11,662	12,264	32,239
Water Power Technologies	8,340	9,618	7,101
Geothermal Technologies	750	1,158	0
Renewable Energy	27,352	30,440	48,856
Industrial Efficiency & Decarbonization Office	1,200	0	0
Advanced Materials & Manufacturing Technologies Office	1,200	25,000	25,000
Building Technologies	293	150	150
Buildings & Industry (formerly Energy Efficiency)	2,693	25,150	25,150
Strategic Programs	250	500	0
Corporate Support	250	500	0

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Sandia National Laboratories FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Transmission Reliability and Resilience	1,292	2,100	3,250
Energy Delivery Grid Operations Technology	1,530	1,950	2,000
Resilient Distribution Systems	1,930	1,300	2,000
Cyber Resilient & Secure Utility Communications Network (SecureNet)	250	0	0
Grid Controls and Communications	5,002	5,350	7,250
Energy Storage R&D	24,576	25,500	35,500
Energy Storage	24,576	25,500	35,500
Transformer Resilience and Advanced Components	125	250	250
Grid Hardware, Components, and Systems	24,701	25,750	35,750
Grid Technical Assistance (GDO)	0	400	0
Transmission Planning & Permitting (GDO)	0	0	400
Risk Management Technology and Tools	3,137	6,625	7,156
Strategic Petroleum Reserve (SPR)	3,410	4,000	3,656
Hydrogen with Carbon Management	862	810	725
Carbon Transport and Storage	517	587	587
Carbon Management Technologies	1,379	1,397	1,312
Methane Mitigation Technologies	2,005	3,085	5,142
Natural Gas Decarbonization and Hydrogen Technologies	5,220	6,786	5,220
Resource Sustainability	7,225	9,871	10,362
Energy Asset Transformation (formerly Repurposing Fossil Energy Assets)	14	17	17
University Training and Research (previous 2 controls)	134	134	196
NEUP, SBIR/STTR, and TCF	160	0	0
LWR Sustainability	3,576	3,750	2,855
Advanced Reactor Technologies	4,850	4,900	0
Reactor Concepts RD&D	8,426	8,650	2,855
Accident Tolerant Fuels	60	149	149
Used Nuclear Fuel Disposition R&D	19,134	17,674	17,000
Integrated Waste Management System	4,000	1,500	1,500
Fuel Cycle Research & Development	23,194	19,323	18,649
Crosscutting Technology Development	1,783	2,436	2,400
Joint Modeling and Simulation Program	0	250	250
Nuclear Energy Enabling Technologies	1,783	2,686	2,650
Regulatory Development	433	300	400
Advanced Reactor Safeguards	2,429	1,890	2,740
Advanced Reactors Demonstration Program	2,862	2,190	3,140
International Nuclear Energy Cooperation	12	0	0
Oversight Activities Nuclear Waste Disposal	0	0	1,800
Interim Storage	1,646	0	0
Environment, Health, Safety & Security	1,210	1,210	1,210
Environment, Health, Safety, and Security	1,210	1,210	1,210
Technology Transitions Program Office	195	0	0
Office of Technology Transitions Program Direction	20	0	0
<b>Total Sandia National Laboratories</b>	<b>2,856,833</b>	<b>2,994,031</b>	<b>3,192,055</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Sandia Site Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Sandia Site Office</b>			
Radiological Security	44,653	49,355	49,523
Nuclear Smuggling Detection and Deterrence	16,138	10,500	12,084
Global Material Security	60,791	59,855	61,607
Program Direction - National Nuclear Security Administration	24,459	26,414	27,283
Fuel Cycle Core R&D	673	1,156	1,156
Fuel Cycle Research & Development	673	1,156	1,156
Sandia National Laboratory (SNL)	4,576	4,003	2,264
NNSA Sites and Nevada Off-Sites	4,576	4,003	2,264
<b>Total Sandia Site Office</b>	<b>90,499</b>	<b>91,428</b>	<b>92,310</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Savannah River National Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Savannah River National Laboratory</b>			
Operations of Facilities	0	0	34,000
Maintenance and Repair of Facilities	0	0	8,000
Operating	0	0	42,000
Infrastructure and Operations	0	0	42,000
Research - Basic Energy Sciences	0	1,100	1,100
Basic Energy Sciences	0	1,100	1,100
Research - Fusion Energy Sciences	0	900	500
Fusion Energy Sciences	0	900	500
Vehicle Technologies	500	200	500
Hydrogen and Fuel Cells Technologies	0	200	100
Sustainable Transportation and Fuels	500	400	600
Advanced Materials & Manufacturing Technologies Office	0	2,000	2,000
Buildings & Industry (formerly Energy Efficiency)	0	2,000	2,000
Carbon Capture	109	149	0
Point-Source Carbon Capture	0	0	159
Carbon Management Technologies	109	149	159
Interim Storage	300	0	0
Office of Technology Transitions Program Direction	22	0	0
Savannah River National Laboratory Operations & Maintenance	0	41,000	42,000
Savannah River Sites	0	41,000	42,000
<b>Total Savannah River National Laboratory</b>	<b>931</b>	<b>45,549</b>	<b>88,359</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Savannah River Operations Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Savannah River Operations Office</b>			
Savannah River Plutonium Operations	5,933	1,004	0
21-D-511, Savannah River Plutonium Processing Facility, SRS	7,000	7,500	0
Savannah River Plutonium Modernization	12,933	8,504	0
Plutonium Modernization	12,933	8,504	0
Primary Capability Modernization	12,933	8,504	0
Tritium & Domestic Uranium Enrichment	150	305	0
18-D-650, Tritium Finishing Facility, SRS	1,500	0	0
Tritium and Domestic Uranium Enrichment	1,650	305	0
Production Modernization	14,583	8,809	0
Infrastructure and Safety	1,750	0	24,250
Recapitalization	1,750	0	24,250
Operating	1,750	0	24,250
Infrastructure and Operations	1,750	0	24,250
Information Technology and Cyber Security	497	446	279
Nuclear Material Removal	150	0	750
Material Disposition	5,370	4,424	8,932
Material Management and Minimization	5,520	4,424	9,682
International Nuclear Security	4	0	0
Global Material Security	4	0	0
Nonproliferation & Arms Control	7,504	7,427	6,838
18-D-150, Surplus Plutonium Disposition Project, SRS	13	102	0
Nonproliferation Construction	13	102	0
Counterterrorism and Counterproliferation	0	0	268
Nuclear Counterterrorism & Incident Response	0	0	268
Program Direction - National Nuclear Security Administration	9,552	10,971	11,621
Fuel Cycle Core R&D	250	0	0
Used Nuclear Fuel Disposition R&D	300	175	300
Integrated Waste Management System	500	2,000	800
Fuel Cycle Research & Development	1,050	2,175	1,100
Strategic Partnership Projects	6,700	11,200	11,200
Other Revenues	-6,700	-11,200	-11,200
Miscellaneous Revenues	-6,700	-11,200	-11,200
SR Community and Regulatory Support	11,805	12,137	12,389
Savannah River Sites	11,805	12,137	12,389
Program Direction - Defense Environmental Cleanup	43,346	48,747	49,977
Safeguards and Security - Defense Environmental Cleanup	164,444	159,849	162,933
<b>Total Savannah River Operations Office</b>	<b>260,068</b>	<b>255,087</b>	<b>279,337</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
**Savannah River Site FY 2024**  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Savannah River Site</b>			
B61-12 LEP	16,200	14,500	13,000
W80-4 LEP	3,203	2,240	4,500
W87-1 Modification Program	3,000	3,300	4,392
W93 Program	500	1,183	2,000
Stockpile Major Modernization	22,903	21,223	23,892
Stockpile Sustainment	47,885	45,614	51,514
Weapons Dismantlement and Disposition	500	600	500
Production Operations	24,789	25,783	26,048
Nuclear Enterprise Assurance	0	4,622	4,500
Stockpile Management	96,077	97,842	106,454
Savannah River Plutonium Operations	117,683	56,538	61,979
21-D-511, Savannah River Plutonium Processing Facility, SRS	466,750	1,192,500	858,235
Savannah River Plutonium Modernization	584,433	1,249,038	920,214
Plutonium Modernization	584,433	1,249,038	920,214
Primary Capability Modernization	584,433	1,249,038	920,214
Tritium & Domestic Uranium Enrichment	121,634	131,081	135,494
18-D-650, Tritium Finishing Facility, SRS	25,500	73,300	0
Tritium and Domestic Uranium Enrichment	147,134	204,381	135,494
Non-Nuclear Capability Modernization	100	84	112
Total, Non-Nuclear Capability Modernization	100	84	112
Capability Based Investments	7,690	7,920	8,000
Production Modernization	739,357	1,461,423	1,063,820
Enhanced Capabilities for Subcritical Experiments	1,395	1,375	725
Assessment Science	1,395	1,375	725
Aging and Lifetimes	5,160	5,514	2,546
Engineering and Integrated Assessments	5,160	5,514	2,546
Weapons Technology & Manufacturing Modernization	8,323	7,906	8,974
Weapons Technology and Manufacturing Maturation	8,323	7,906	8,974
Stockpile Research, Technology, and Engineering	14,878	14,795	12,245
Operations of Facilities	97,000	95,000	95,000
Safety and Environmental Operations	5,658	3,397	4,902
Maintenance and Repair of Facilities	43,000	40,000	42,000
Infrastructure and Safety	31,881	7,558	3,100
Recapitalization	31,881	7,558	3,100
Operating	177,539	145,955	145,002
Infrastructure and Operations	177,539	145,955	145,002
Operations and Maintenance - DNS	9,064	9,088	10,093
Defense Nuclear Security (DNS)	9,064	9,088	10,093
Information Technology and Cyber Security	6,129	6,242	9,179
Conversion	2,764	6,825	6,173
Nuclear Material Removal	13,400	27,536	13,025
Material Disposition	77,960	40,298	47,235
Material Management and Minimization	94,124	74,659	66,433
Nuclear Smuggling Detection and Deterrence	0	1,000	251
Global Material Security	0	1,000	251
Proliferation Detection R&D	16,006	16,200	12,918
Forensics R&D	1,725	1,660	1,972
Nonproliferation Stewardship Program	3,900	10,937	1,021

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Savannah River Site FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Defense Nuclear Nonproliferation R&D	21,631	28,797	15,911
18-D-150, Surplus Plutonium Disposition Project, SRS	152,177	66,764	69,211
Nonproliferation Construction	152,177	66,764	69,211
Counterterrorism and Counterproliferation	3,745	2,726	2,852
Nuclear Counterterrorism & Incident Response	3,745	2,726	2,852
Advanced Nuclear Fuel Availability	0	22,400	22,400
Fuel Cycle Research & Development	0	22,400	22,400
Environment, Health, Safety & Security	10	10	10
Environment, Health, Safety, and Security	10	10	10
Savannah River Risk Management Operations	459,090	485,864	453,109
18-D-402 Emergency Operations Center Replacement, SR	8,999	25,568	34,733
19-D-701 SR Security Systems Replacement	5,000	12,000	0
Construction - Savannah River Risk Management Operations	13,999	37,568	34,733
Total, Savannah River Risk Management Operations	473,089	523,432	487,842
Radioactive Liquid Tank Waste Stabilization and Disposition	889,365	851,660	880,323
18-D-401 Saltstone disposal unit #8/9	68,000	49,832	31,250
20-D-401 Saltstone Disposal Unit #10, 11, 12	19,500	37,668	56,250
Construction - Savannah River Sites	87,500	87,500	87,500
Savannah River Legacy Pensions	130,882	132,294	65,898
Savannah River Sites	1,580,836	1,594,886	1,521,563
<b>Total Savannah River Site</b>	<b>2,895,567</b>	<b>3,526,587</b>	<b>3,045,424</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Savannah River Site Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Savannah River Site Office</b>			
Environment, Health, Safety & Security	500	500	500
Environment, Health, Safety, and Security	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 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Separations Process Research Unit</b>			
Separations Processing Research Unit	15,000	15,300	15,300
NNSA Sites and Nevada Off-Sites	15,000	15,300	15,300
<b>Total Separations Process Research Unit</b>	<b>15,000</b>	<b>15,300</b>	<b>15,300</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
SLAC National Accelerator Laboratory FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>SLAC National Accelerator Laboratory</b>			
Dynamic Materials Properties	0	1,500	0
Assessment Science	0	1,500	0
Inertial Confinement Fusion	180	180	180
Stockpile Research, Technology, and Engineering	180	1,680	180
Proliferation Detection R&D	1,400	1,133	1,161
Forensics R&D	275	275	832
Defense Nuclear Nonproliferation R&D	1,675	1,408	1,993
Research - Advanced Scientific Computing Research	669	450	0
Advanced Scientific Computing Research	669	450	0
Research - Basic Energy Sciences	236,362	259,242	308,637
21-SC-10, Cryomodule Repair and Maintenance Facility, SLAC	1,000	10,000	9,000
18-SC-13, Linac Coherent Light Source-II-High Energy (LCLS-II-HE), SLAC	50,000	90,000	120,000
13-SC-10, Linac Coherent Light Source-II (LCLS-II), SLAC	28,100	0	0
Construction - Basic Energy Sciences	79,100	100,000	129,000
Basic Energy Sciences	315,462	359,242	437,637
Research - Biological & Environmental Research	3,262	7,783	7,148
Biological and Environmental Research	3,262	7,783	7,148
Research - Fusion Energy Sciences	6,034	5,288	7,500
20-SC-61, Matter in Extreme Conditions (MEC) Petawatt Upgrade, SLAC	11,000	11,000	10,000
Construction - Fusion Energy Sciences	11,000	11,000	10,000
Fusion Energy Sciences	17,034	16,288	17,500
Research - High Energy Physics	73,843	97,474	101,410
High Energy Physics	73,843	97,474	101,410
Operations and Maintenance - Nuclear Physics	1,166	1,166	1,166
Nuclear Physics	1,166	1,166	1,166
Research - Accelerator R&D and Production	1,320	100	806
Accelerator R&D and Production	1,320	100	806
Facilities and Infrastructure (SLI)	0	0	8,300
20-SC-75, Large Scale Collaboration Center, SLAC (19-SC-75)	21,000	21,000	0
20-SC-79, Critical Utilities Infrastructure Revitalization, SLAC (20-SC-81)	8,500	25,425	35,075
Construction - Science Laboratories Infrastructure	29,500	46,425	35,075
Science Laboratories Infrastructure	29,500	46,425	43,375
Safeguards and Security - SC	8,359	8,890	8,072
Vehicle Technologies	4,350	7,000	5,000
Bioenergy Technologies	400	375	375
Hydrogen and Fuel Cells Technologies	0	500	500
Sustainable Transportation and Fuels	4,750	7,875	5,875
Industrial Efficiency & Decarbonization Office	463	0	0
Advanced Materials & Manufacturing Technologies Office	462	5,000	5,000
Buildings & Industry (formerly Energy Efficiency)	925	5,000	5,000
Transmission Reliability and Resilience	700	1,025	1,600
Resilient Distribution Systems	75	0	0
Grid Controls and Communications	775	1,025	1,600
Energy Storage R&D	20	50	50
Energy Storage	20	50	50
Grid Hardware, Components, and Systems	20	50	50
Crosscutting Technology Development	23	0	0
Nuclear Energy Enabling Technologies	23	0	0

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 SLAC National Accelerator Laboratory FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Technology Transitions Program Office	43	0	0
<b>Total SLAC National Accelerator Laboratory</b>	<b>459,006</b>	<b>554,856</b>	<b>631,812</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 SLAC Site Office FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>SLAC Site Office</b>			
Program Direction - SC	2,388	2,199	2,315
<b>Total SLAC Site Office</b>	<b>2,388</b>	<b>2,199</b>	<b>2,315</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Southwestern Power Administration Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Southwestern Power Administration Office</b>			
Operation And Maintenance - SWPA	11,082	15,517	16,759
Construction - SWPA	15,901	16,035	13,806
Purchase Power And Wheeling - SWPA	62,000	93,000	120,000
Program Direction - SWPA	36,833	38,250	39,172
Subtotal, SWPA	125,816	162,802	189,737
<b>Total Southwestern Power Administration Office</b>	<b>125,816</b>	<b>162,802</b>	<b>189,737</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Strategic Petroleum Reserve - Bayou Choctow FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Strategic Petroleum Reserve - Bayou Choctow</b>			
Strategic Petroleum Reserve (SPR)	14,333	13,687	17,067
<b>Total Strategic Petroleum Reserve - Bayou Choctow</b>	<b>14,333</b>	<b>13,687</b>	<b>17,067</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Strategic Petroleum Reserve - Big Hill FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Strategic Petroleum Reserve - Big Hill</b>			
Strategic Petroleum Reserve (SPR)	20,834	19,827	22,965
<b>Total Strategic Petroleum Reserve - Big Hill</b>	<b>20,834</b>	<b>19,827</b>	<b>22,965</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Strategic Petroleum Reserve - Bryan Mound FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Strategic Petroleum Reserve - Bryan Mound</b>			
Strategic Petroleum Reserve (SPR)	18,863	19,162	25,745
<b>Total Strategic Petroleum Reserve - Bryan Mound</b>	<b>18,863</b>	<b>19,162</b>	<b>25,745</b>



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Strategic Petroleum Reserve - West Hackberry FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Strategic Petroleum Reserve - West Hackberry</b>			
Strategic Petroleum Reserve (SPR)	23,561	20,142	73,056
<b>Total Strategic Petroleum Reserve - West Hackberry</b>	<b>23,561</b>	<b>20,142</b>	<b>73,056</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Strategic Petroleum Reserve Project Office FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Strategic Petroleum Reserve Project Office</b>			
SPR - Petroleum Account	7,350	100	0
Strategic Petroleum Reserve (SPR)	106,500	105,477	111,731
<b>Total Strategic Petroleum Reserve Project Office</b>	<b>113,850</b>	<b>105,577</b>	<b>111,731</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Thomas Jefferson National Accelerator Facility FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Thomas Jefferson National Accelerator Facility</b>			
Non-Nuclear Capability Modernization	80	0	0
Total, Non-Nuclear Capability Modernization	80	0	0
Production Modernization	80	0	0
Research - Advanced Scientific Computing Research	0	0	669
Advanced Scientific Computing Research	0	0	669
Operations and Maintenance - Nuclear Physics	153,258	165,854	153,079
Nuclear Physics	153,258	165,854	153,079
Research - Accelerator R&D and Production	350	427	81
Accelerator R&D and Production	350	427	81
Facilities and Infrastructure (SLI)	1,150	2,750	0
22-SC-72, Thomas Jefferson Infrastructure Improvements, TJNAF	1,000	1,000	0
20-SC-73, CEBAF Renovation and Expansion, TJNAF (19-SC-73)	10,000	15,000	11,000
Construction - Science Laboratories Infrastructure	11,000	16,000	11,000
Science Laboratories Infrastructure	12,150	18,750	11,000
Safeguards and Security - SC	4,819	5,987	5,402
<b>Total Thomas Jefferson National Accelerator Facility</b>	<b>170,657</b>	<b>191,018</b>	<b>170,231</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Thomas Jefferson Site Office FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Thomas Jefferson Site Office</b>			
Program Direction - SC	1,815	2,218	2,332
<b>Total Thomas Jefferson Site Office</b>	<b>1,815</b>	<b>2,218</b>	<b>2,332</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 Undesignated Lab/Plant/Installation FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Undesignated Lab/Plant/Installation</b>			
Battery and Critical Materials (MESC)	0	0	75,000
Energy Sector Industrial Base (MESC)	0	0	65,000
Energy Delivery Grid Operations Technology	0	1,604	30
Grid Controls and Communications	0	1,604	30
<b>Total Undesignated Lab/Plant/Installation</b>	<b>0</b>	<b>1,604</b>	<b>140,030</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 University of Rochester FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>University of Rochester</b>			
Inertial Confinement Fusion	83,000	86,100	89,000
Stockpile Research, Technology, and Engineering	83,000	86,100	89,000
<b>Total University of Rochester</b>	<b>83,000</b>	<b>86,100</b>	<b>89,000</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Washington Headquarters FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Washington Headquarters</b>			
B61-12 LEP	11,960	0	6,748
W88 ALT 370	3,210	1	1,404
W80-4 LEP	16,748	0	30,298
W80-4 ALT-SLCM	0	20,000	0
W87-1 Modification Program	20,646	0	12,528
W93 Program	0	0	7,793
Stockpile Major Modernization	52,564	20,001	58,771
Stockpile Sustainment	21,215	81,282	42,376
Weapons Dismantlement and Disposition	1,595	23,033	1,530
Production Operations	22,758	1,001	19,494
Nuclear Enterprise Assurance	0	750	1,998
Stockpile Management	98,132	126,067	124,169
Los Alamos Plutonium Operations	10,236	9,976	12,486
21-D-512, Plutonium Pit Production Project, LANL	2,000	5,000	0
15-D-302, TA-55 Reinvestments Project, Phase 3, LANL	750	500	0
07-D-220-04, Transuranic Liquid Waste Facility, LANL	500	500	0
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL	2,000	5,000	0
Los Alamos Plutonium Modernization	15,486	20,976	12,486
Savannah River Plutonium Operations	1,984	758	785
Savannah River Plutonium Modernization	1,984	758	785
Enterprise Plutonium Support	1,660	1,157	1,256
Plutonium Modernization	19,130	22,891	14,527
High Explosives & Energetics	11,355	31,180	29,318
23-D-516, Energetic Materials Characterization Facility, LANL	0	500	0
21-D-510, HE Synthesis, Formulation, and Production, PX	1,000	1,000	0
15-D-301, HE Science & Engineering Facility, PX	0	500	1,000
HE & Energetics	12,355	33,180	30,318
Primary Capability Modernization	31,485	56,071	44,845
Secondary Capability Modernization (SCM)	105,409	74,370	90,255
Secondary Capability Modernization	105,409	74,370	90,255
Tritium & Domestic Uranium Enrichment	146,286	51,795	101,380
Tritium and Domestic Uranium Enrichment	146,286	51,795	101,380
Non-Nuclear Capability Modernization	32,795	11,403	21,469
22-D-513, Power Sources Capability, SNL	5,827	0	1,500
Total, Non-Nuclear Capability Modernization	38,622	11,403	22,969
Capability Based Investments	27,561	27,224	17,462
Planning for Programmatic Construction (Pre-CD-1)	10,000	0	0
Production Modernization	359,363	220,863	276,911
Primary Assessment Technologies	8,695	5,083	5,463
Dynamic Materials Properties	7,962	3,927	7,414
Advanced Diagnostics	1,058	0	1,349
Secondary Assessment Technologies	1,464	1,540	2,339
Enhanced Capabilities for Subcritical Experiments	22,570	9,352	7,823
Hydrodynamic and Subcritical Experiment Execution Support	10,295	4,080	3,087
17-D-640, U1a Complex Enhancements Project, NNSS	34,726	5,000	5,000
Assessment Science	86,770	28,982	32,475
Archiving and Support	709	571	896
Delivery Environments	608	489	499

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Washington Headquarters FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Weapons Survivability	921	1,213	4,122
Studies and Assessments	0	65	1,039
Aging and Lifetimes	1,346	1,134	941
Stockpile Responsiveness	774	828	907
Advanced Certification and Qualification	797	610	769
Engineering and Integrated Assessments	5,155	4,910	9,173
Inertial Confinement Fusion	12,117	11,959	13,232
Weapons Technology & Manufacturing Modernization	4,535	3,649	4,610
Weapons Technology and Manufacturing Maturation	4,535	3,649	4,610
Advanced Simulation and Computing	13,139	36,380	63,061
Advanced Simulation & Computing	13,139	36,380	63,061
Stockpile Research, Technology, and Engineering	121,716	85,880	122,551
Operations of Facilities	36,000	53,000	43,000
Safety and Environmental Operations	21,804	33,641	21,191
Maintenance and Repair of Facilities	103,000	86,617	99,000
Infrastructure and Safety	38,491	150,556	258,298
Recapitalization	38,491	150,556	258,298
Operating	199,295	323,814	421,489
Infrastructure and Operations	199,295	323,814	421,489
Program Direction - STA - Federal Support	117,053	129,810	117,709
Secure Transportation Asset	117,053	129,810	117,709
Operations and Maintenance - DNS	63,734	92,310	119,070
Defense Nuclear Security (DNS)	63,734	92,310	119,070
Information Technology and Cyber Security	147,812	225,135	314,743
Conversion	5,649	48,671	2,000
Nuclear Material Removal	920	1,000	1,000
Material Disposition	6,839	81,413	19,375
Material Management and Minimization	13,408	131,084	22,375
International Nuclear Security	464	8,257	7,322
Radiological Security	1,429	13,395	7,064
Nuclear Smuggling Detection and Deterrence	755	11,047	6,653
Global Material Security	2,648	32,699	21,039
Nonproliferation & Arms Control	13,668	12,381	11,404
Proliferation Detection R&D	11,715	37,818	7,366
Nuclear Detonation Detection	2,970	4,015	7,656
Nonproliferation Fuels Development	16,494	0	0
Forensics R&D	2,403	3,700	565
Nonproliferation Stewardship Program	450	1,271	19,627
Defense Nuclear Nonproliferation R&D	34,032	46,804	35,214
NNSA Bioassurance Program	0	0	2,500
18-D-150, Surplus Plutonium Disposition Project, SRS	1,110	4,898	8,000
Nonproliferation Construction	1,110	4,898	8,000
Emergency Operations	12,741	27,405	16,580
Counterterrorism and Counterproliferation	24,842	76,112	75,830
Nuclear Counterterrorism & Incident Response	37,583	103,517	92,410
Legacy Contractor Pensions and Settlement Payments - DNN	78,656	114,632	65,452
Naval Reactors Development	1,333	1,710	1,740
Naval Reactors Operations and Infrastructure	11,610	14,930	15,270
Program Direction - Naval Reactors	39,094	41,734	44,080
Program Direction - National Nuclear Security Administration	334,032	349,724	386,575



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Washington Headquarters FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Research - Advanced Scientific Computing Research	1,999	0	0
Advanced Scientific Computing Research	1,999	0	0
Research - Basic Energy Sciences	8,986	0	0
Basic Energy Sciences	8,986	0	0
Research - Biological & Environmental Research	1,331	0	0
Biological and Environmental Research	1,331	0	0
Operations and Maintenance - Nuclear Physics	238	0	0
20-SC-51, U.S. Stable Isotope Production and Research Center, (SIPRC)	12,000	24,000	20,900
Construction - Nuclear Physics	12,000	24,000	20,900
Nuclear Physics	12,238	24,000	20,900
Research - Isotope R&D and Production	70,000	85,451	142,651
24-SC-92 Clinical Alpha Radionuclide Producer (CARP), BNL	0	0	1,000
24-SC-91 Radioisotope Processing Facility (RPF), ORNL	0	0	8,500
Construction - Isotope R&D and Production	0	0	9,500
Isotope R&D and Production	70,000	85,451	152,151
Program Direction - SC	116,086	125,195	135,287
Vehicle Technologies	17,220	22,375	22,000
Bioenergy Technologies	7,500	17,000	20,000
Sustainable Transportation and Fuels	24,720	39,375	42,000
Renewable Energy Grid Integration	255	0	0
Solar Energy Technologies	22,600	25,000	30,000
Wind Energy Technologies	8,620	24,477	32,884
Water Power Technologies	39,476	38,160	98,316
Geothermal Technologies	2,900	16,653	5,000
Renewable Energy	73,851	104,290	166,200
Industrial Efficiency & Decarbonization Office	15,052	39,550	46,000
Advanced Materials & Manufacturing Technologies Office	28,832	11,657	5,000
Building Technologies	73,329	104,690	80,726
Training and Technical Assistance (EERE)	1,000	1,900	0
State Energy Program Grants (EERE)	2,600	2,600	0
Weatherization and Intergovernmental Programs	3,600	4,500	0
Buildings & Industry (formerly Energy Efficiency)	120,813	160,397	131,726
Program Direction - Energy Efficiency and Renewable Energy	168,711	172,612	164,560
Total Program Direction (EERE)	168,711	172,612	164,560
Strategic Programs	10,300	7,417	29,262
Corporate Support	179,011	180,029	193,822
Program Direction - FEMP	0	0	17,200
Program Direction - MESC	0	0	24,000
Training and Technical Assistance (SCEP)	0	0	1,900
State Energy Program Grants (SCEP)	0	0	2,900
Program Direction - SCEP	0	0	33,220
Resilient Distribution Systems	1,515	1,500	400
Grid Controls and Communications	1,515	1,500	400
Energy Storage R&D	330	350	350
20-OE-100 Grid Storage Launchpad	400	0	0
Energy Storage	730	350	350
Transformer Resilience and Advanced Components	0	1,000	700
Applied Grid Transformation Solutions	0	0	500
Grid Hardware, Components, and Systems	730	1,350	1,550
Grid Planning and Development (formerly, Transmission Permitting & Tech Assist.)	1,319	0	0

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Washington Headquarters FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Grid Planning & Development (GDO)	0	3,000	0
Grid Technical Assistance (GDO)	0	5,000	0
Interregional and Offshore Transmission Planning	0	500	0
Transmission Planning & Permitting (GDO)	0	0	9,000
Wholesale Electricity Market Technical Assistance and Grants	0	1,000	0
Distribution & Markets (GDO)	0	0	3,000
Program Direction - OE	11,477	14,003	14,773
Program Direction - GDO	2,670	4,736	12,159
Total Program Direction (OE)	14,147	18,739	26,932
Risk Management Technology and Tools	1,365	400	1,608
Response and Restoration	3,888	3,585	6,608
Policy, Preparedness, and Risk Analysis	2,789	3,097	4,498
Program Direction - CESER	12,026	21,484	28,495
Naval Petroleum and Oil Shale Reserve	2,000	2,000	2,000
Strategic Petroleum Reserve (SPR)	8,430	8,930	9,569
Northeast Home Heating Oil Reserves	800	960	1,075
Special Recruitment Programs	1,001	1,000	1,000
Program Direction - Fossil Energy	37,085	39,760	60,408
Foundation for Energy Security and Innovation	0	0	31,000
Integrated University Program	11	0	0
Advanced SMR R&D	1,597	2,200	1,000
LWR Sustainability	17,507	7,840	4,500
Advanced Reactor Technologies	18,135	13,150	1,480
Reactor Concepts RD&D	37,239	23,190	6,980
Mining, Conversion, and Transportation	2,000	2,000	0
Materials Recovery and Waste Form Development	55	3,953	1,453
Accident Tolerant Fuels	2,169	15,233	10,133
TRISO and Graphite Qualification	2,000	1,480	1,328
Fuel Cycle Core R&D	0	3,372	3,372
Advanced Nuclear Fuel Availability	43,172	3,274	12,274
Used Nuclear Fuel Disposition R&D	244	1,000	1,924
Integrated Waste Management System	2,800	2,500	11,800
Fuel Cycle Research & Development	52,440	32,812	42,284
Crosscutting Technology Development	4,722	8,109	7,508
Joint Modeling and Simulation Program	4,288	3,341	2,430
National Scientific User Facility	3,638	949	600
Transformational Challenge Reactor	57	0	0
Nuclear Energy Enabling Technologies	12,705	12,399	10,538
National Reactor Innovation Center	1,520	3,780	500
Risk Reduction for Future Demonstrations	102,500	44,375	10,000
Regulatory Development	1,576	70	100
Advanced Reactor Safeguards	20	685	710
Advanced Reactors Demonstration Program	105,616	48,910	11,310
INL Facilities Operations and Maintenance	631	1,671	1,671
ORNL Nuclear Facilities O&M	246	0	0
Research Reactor Infrastructure	27	0	0
Infrastructure	904	1,671	1,671
Idaho Sitewide Safeguards & Security (050)	246	0	0
International Nuclear Energy Cooperation	246	0	10,025
Program Direction - Nuclear Energy	42,750	45,716	45,450

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Washington Headquarters FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Oversight Activities Nuclear Waste Disposal	6,970	9,505	9,540
Interim Storage	11,695	0	0
Office of the Secretary	5,582	6,642	6,737
Congressional & Intergovernmental Affairs	6,000	5,000	7,198
Office of the Chief Financial Officer	56,591	62,283	67,345
Economic Impact & Diversity	20,000	34,140	53,665
Office of International Affairs	28,000	32,000	50,142
Chief Information Officer	197,000	215,000	245,169
Other Departmental Administration	170,115	191,161	267,446
Subtotal, Departmental Administration (Gross)	483,288	546,226	697,702
Program Direction - Environment, Health, Safety and Security	73,588	76,685	86,558
Environment, Health, Safety & Security	116,213	122,335	128,186
Environment, Health, Safety, and Security	189,801	199,020	214,744
Program Direction - Office of Enterprise Assessments	56,049	57,941	64,132
Enterprise Assessments	27,185	27,186	29,692
Office of Enterprise Assessments	83,234	85,127	93,824
Specialized Security Activities	328,500	335,000	345,330
Legacy Management Activities - Defense	35,151	46,693	55,273
Program Direction - Legacy Management	19,933	21,983	22,622
Legacy Management	55,084	68,676	77,895
Office Of Hearings And Appeals	4,356	4,477	4,499
Technology Transitions Program Office	498	500	0
Office of Technology Transitions Program Direction	5,669	9,249	10,681
Indian Energy Policy & Programs	52,477	61,000	89,697
Program Direction - Indian Energy Program	5,523	14,000	20,353
ARPA-E Projects	414,000	433,000	595,000
Program Direction - ARPA-E	36,000	37,000	55,200
Energy Information Administration (EIA)	129,087	135,000	156,550
Loan Guarantee Program	31,290	65,524	68,588
Administrative Expenses - Tribal Energy Loan Guarantee Program	2,000	2,000	6,300
Tribal Energy Loan Guarantee Credit Subsidy	0	2,000	0
Advanced Technology Vehicle Manufacturing Loan Program	4,700	9,440	12,000
Program Direction - Defense Environmental Cleanup	96,643	89,647	90,501
Program Support - Defense Environmental Cleanup	62,979	82,283	103,504
Technology Development and Deployment	30,000	40,000	30,000
Management and Storage of Elemental Mercury	2,100	2,100	0
Title X Uranium Thorium Reimbursement Program	16,155	14,800	24,400
Clean Energy Demonstrations	12,000	14,000	10,000
Program Direction - OCED	8,000	25,000	45,300
Program Direction - Office of Inspector General	78,000	86,000	165,161
<b>Total Washington Headquarters</b>	<b>4,772,614</b>	<b>5,424,306</b>	<b>6,366,177</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Waste Isolation Pilot Plant FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Waste Isolation Pilot Plant</b>			
Material Disposition	10,208	8,780	14,710
Material Management and Minimization	10,208	8,780	14,710
Nonproliferation & Arms Control	295	350	319
Counterterrorism and Counterproliferation	55	30	35
Nuclear Counterterrorism & Incident Response	55	30	35
Waste Isolation Pilot Plant (WIPP)	353,424	353,424	369,961
15-D-411 Safety Significant Confinement Ventilation System, WIPP	65,000	59,073	44,365
15-D-412 Utility Shaft, WIPP	25,000	46,200	50,000
Construction - Waste Isolation Pilot Plant	90,000	105,273	94,365
Total Waste Isolation Pilot Plant	443,424	458,697	464,326
<b>Total Waste Isolation Pilot Plant</b>	<b>453,982</b>	<b>467,857</b>	<b>479,390</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Weldon Spring Site Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Weldon Spring Site Office</b>			
Legacy Management Activities - Defense	5,131	5,131	3,687
Legacy Management	5,131	5,131	3,687
<b>Total Weldon Spring Site Office</b>	<b>5,131</b>	<b>5,131</b>	<b>3,687</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
 West Valley Demonstration Project FY 2024  
 (Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>West Valley Demonstration Project</b>			
Safeguards and Security - Defense Environmental Cleanup	5,298	5,984	5,865
West Valley Demonstration Project - NDEC	88,120	89,882	89,882
<b>Total West Valley Demonstration Project</b>	<b>93,418</b>	<b>95,866</b>	<b>95,747</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Western Area Power Administration Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Western Area Power Administration Office</b>			
Operation And Maintenance - CROM	81,983	85,229	130,131
Construction And Rehabilitation - CROM	35,185	47,189	0
Purchase Power And Wheeling - CROM	443,677	715,824	715,824
Program Direction - CROM	267,246	277,287	295,039
Construction, Rehabilitation, Operation, and Maintenance (CROM) - WP	828,091	1,125,529	1,140,994
Less alternative financing (for O&M) - CROM	-7,122	-7,641	-42,276
Less alternative financing (for Construction) - CROM	-31,090	-38,219	0
Less alternative financing (for PPW) - CROM	-273,677	-240,824	-240,824
Less alternative financing (for PD) - CROM	-51,849	-54,868	-60,084
Less alternative financing - CROM	-363,738	-341,552	-343,184
Purchase Power & Wheeling Financed from Offsetting (P.L. 108-447/109-103)	-170,000	-475,000	-475,000
Offsetting Collections - Colorado River Dam (P.L. 98-381)	-9,116	-9,404	-9,521
Offsetting Collections (for O&M) - CROM	-27,530	-29,180	-29,449
Offsetting Collections (for PD) - CROM	-166,935	-171,661	-183,968
Offsetting Collections - CROM	-373,581	-685,245	-697,938
Falcon And Amistad Operation And Maintenance	7,545	7,928	8,297
Offsetting Collections - Falcon and Amistad Fund	-5,580	-6,102	-3,197
Less alternative financing - Falcon and Amistad Fund	-1,737	-1,598	-1,872
Use of Prior Year Balance - Falcon & Amistad Operating & Maintenance	0	0	-3,000
Program Direction - Colorado River Basins Fund	74,581	79,539	80,381
Equipment, Contracts and Related Expenses - Colorado River Basins Fund	162,709	178,927	454,857
Colorado River Basins Fund	237,290	258,466	535,238
Offsetting collections - CRBPMF	-235,290	-256,466	-535,238
<b>Total Western Area Power Administration Office</b>	<b>93,000</b>	<b>100,960</b>	<b>100,100</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Y-12 National Security Complex FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Y-12 National Security Complex</b>			
B61-12 LEP	87,000	28,000	91,000
W88 ALT 370	1,344	2,480	1,347
W80-4 LEP	38,650	33,660	60,580
W87-1 Modification Program	100,000	65,000	101,610
W93 Program	1,500	3,812	9,800
Stockpile Major Modernization	228,494	132,952	264,337
Stockpile Sustainment	44,221	41,860	44,182
Weapons Dismantlement and Disposition	17,469	7,363	17,764
Production Operations	106,228	107,151	117,628
Nuclear Enterprise Assurance	0	2,760	3,621
Stockpile Management	396,412	292,086	447,532
18-D-690, Lithium Processing Facility, Y-12	167,902	216,886	210,770
06-D-141, Uranium Processing Facility, Y-12	587,000	347,500	737,200
Secondary Capability Modernization (SCM)	334,935	404,969	488,626
Secondary Capability Modernization	1,089,837	969,355	1,436,596
Tritium & Domestic Uranium Enrichment	1,633	5,000	16,527
Tritium and Domestic Uranium Enrichment	1,633	5,000	16,527
Non-Nuclear Capability Modernization	300	248	317
Total, Non-Nuclear Capability Modernization	300	248	317
Capability Based Investments	28,500	11,550	18,000
Production Modernization	1,120,270	986,153	1,471,440
Aging and Lifetimes	5,190	4,990	2,450
Stockpile Responsiveness	698	3,600	3,319
Advanced Certification and Qualification	1,056	1,281	1,497
Engineering and Integrated Assessments	6,944	9,871	7,266
Weapons Technology & Manufacturing Modernization	5,606	5,831	7,447
Weapons Technology and Manufacturing Maturation	5,606	5,831	7,447
Advanced Simulation and Computing	500	1,000	0
Advanced Simulation & Computing	500	1,000	0
Stockpile Research, Technology, and Engineering	13,050	16,702	14,713
Operations of Facilities	104,000	104,000	105,000
Safety and Environmental Operations	21,614	19,320	18,564
Maintenance and Repair of Facilities	128,000	119,000	128,000
Infrastructure and Safety	56,533	26,692	38,064
Recapitalization	56,533	26,692	38,064
Operating	310,147	269,012	289,628
23-D-519, Special Material Facility, Y-12	0	49,500	0
Mission Enabling Construction	0	49,500	0
I&O - Construction	0	49,500	0
Infrastructure and Operations	310,147	318,512	289,628
Operations and Maintenance - DNS	181,085	197,688	222,393
17-D-710, West End Protected Area Reduction Project, Y-12	23,000	3,928	28,000
Construction - Defense Nuclear Security	23,000	3,928	28,000
Defense Nuclear Security (DNS)	204,085	201,616	250,393
Information Technology and Cyber Security	8,721	9,263	11,306
Conversion	2,710	5,120	12,819
Nuclear Material Removal	3,300	15,334	19,850
Material Disposition	11,080	18,860	23,498



**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Y-12 National Security Complex FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Material Management and Minimization	17,090	39,314	56,167
International Nuclear Security	3,038	2,929	2,898
Radiological Security	12,766	14,475	14,365
Nuclear Smuggling Detection and Deterrence	391	2,000	1,605
Global Material Security	16,195	19,404	18,868
Nonproliferation & Arms Control	6,232	6,696	6,158
Proliferation Detection R&D	2,550	1,600	1,482
Forensics R&D	1,146	700	1,086
Nonproliferation Stewardship Program	2,175	6,921	7,047
Defense Nuclear Nonproliferation R&D	5,871	9,221	9,615
Counterterrorism and Counterproliferation	2,313	2,277	3,912
Nuclear Counterterrorism & Incident Response	2,313	2,277	3,912
<b>Total Y-12 National Security Complex</b>	<b>2,100,386</b>	<b>1,901,244</b>	<b>2,579,732</b>

**DEPARTMENT OF ENERGY**  
**Laboratory Table**  
Y-12 Site Office FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Y-12 Site Office</b>			
Environment, Health, Safety & Security	20	20	20
Environment, Health, Safety, and Security	20	20	20
14-D-403 Outfall 200 Mercury Treatment Facility	0	10,000	10,000
17-D-401 On-site Waste Disposal Facility	12,500	35,000	24,500
Construction - Oak Ridge	12,500	45,000	34,500
OR Technology Development and Deployment	3,000	3,000	3,000
Oak Ridge (OR)	15,500	48,000	37,500
<b>Total Y-12 Site Office</b>	<b>15,520</b>	<b>48,020</b>	<b>37,520</b>

**DEPARTMENT OF ENERGY**

**Laboratory Table**

Grants FY 2024

(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>Grants</b>			
Research - Advanced Scientific Computing Research	104,990	234,909	227,084
Advanced Scientific Computing Research	104,990	234,909	227,084
Research - Basic Energy Sciences	452,992	442,023	492,398
Basic Energy Sciences	452,992	442,023	492,398
Research - Biological & Environmental Research	168,318	222,260	252,743
Biological and Environmental Research	168,318	222,260	252,743
Research - Fusion Energy Sciences	319,146	337,814	594,284
Fusion Energy Sciences	319,146	337,814	594,284
Research - High Energy Physics	206,998	223,649	209,758
High Energy Physics	206,998	223,649	209,758
Operations and Maintenance - Nuclear Physics	204,294	202,061	223,088
Nuclear Physics	204,294	202,061	223,088
Research - Accelerator R&D and Production	7,837	13,052	17,354
Accelerator R&D and Production	7,837	13,052	17,354
Weatherization Assistance Program (EERE)	313,000	326,000	0
State Energy Program Grants (EERE)	56,500	56,500	0
Weatherization and Intergovernmental Programs	369,500	382,500	0
Buildings & Industry (formerly Energy Efficiency)	369,500	382,500	0
Weatherization Assistance Program (SCEP)	0	0	375,000
State Energy Program Grants (SCEP)	0	0	56,500
Transmission Reliability and Resilience	2,058	3,610	2,360
Energy Delivery Grid Operations Technology	500	500	500
Resilient Distribution Systems	11,281	13,330	1,800
Cyber Resilient & Secure Utility Communications Network (SecureNet)	1,673	0	9,500
Grid Controls and Communications	15,512	17,440	14,160
Energy Storage R&D	20,147	35,170	170
Energy Storage	20,147	35,170	170
Transformer Resilience and Advanced Components	115	17,000	12,500
Applied Grid Transformation Solutions	0	7,635	20,000
Grid Hardware, Components, and Systems	20,262	59,805	32,670
Electricity Innovation and Transition	4,870	9,707	11,000
Grid Technical Assistance (GDO)	0	10,000	0
Transmission Planning & Permitting (GDO)	0	0	11,500
Wholesale Electricity Market Technical Assistance and Grants	0	12,000	0
Distribution & Markets (GDO)	0	0	20,250
Program Direction - OE	5,523	3,790	3,902
Total Program Direction (OE)	5,523	3,790	3,902
Congressional Directed Spending - Electricity	2,850	0	0
Northeast Home Heating Oil Reserves	5,700	6,040	6,075
<b>Total Grants</b>	<b>1,888,792</b>	<b>2,177,050</b>	<b>2,547,766</b>

**DEPARTMENT OF ENERGY**

**Laboratory Table**

No LPI FY 2024

(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
<b>No LPI</b>			
Research - Advanced Scientific Computing Research	121,687	85,078	122,451
24-SC-20, High Performance Data Facility	0	0	1,000
Advanced Scientific Computing Research	121,687	85,078	123,451
Research - Basic Energy Sciences	254,094	372,075	385,273
Basic Energy Sciences	254,094	372,075	385,273
Research - Biological & Environmental Research	115,784	92,918	102,825
Biological and Environmental Research	115,784	92,918	102,825
Research - Fusion Energy Sciences	4,817	54,842	29,148
Fusion Energy Sciences	4,817	54,842	29,148
Research - High Energy Physics	60,020	40,602	46,848
High Energy Physics	60,020	40,602	46,848
Operations and Maintenance - Nuclear Physics	39,600	63,551	49,713
Nuclear Physics	39,600	63,551	49,713
Research - Accelerator R&D and Production	925	6,916	6,508
Accelerator R&D and Production	925	6,916	6,508
Workforce Development for Teachers & Scientists	35,000	42,000	46,100
Facilities and Infrastructure (SLI)	0	50	2,218
Laboratory Operations Internship	0	0	3,000
Science Laboratories Infrastructure	0	50	5,218
Safeguards and Security - SC	19,369	19,031	49,668
Transmission Reliability and Resilience	254	2,652	1,190
Resilient Distribution Systems	0	4,368	150
Cyber Resilient & Secure Utility Communications Network (SecureNet)	4,736	0	5,500
Grid Controls and Communications	4,990	7,020	6,840
Energy Storage R&D	2,354	1,395	180
Energy Storage	2,354	1,395	180
Transformer Resilience and Advanced Components	1,007	1,000	3,350
Applied Grid Transformation Solutions	0	1,668	8,700
Grid Hardware, Components, and Systems	3,361	4,063	12,230
Risk Management Technology and Tools	66,780	15,906	0
Response and Restoration	5,714	3,261	0
Policy, Preparedness, and Risk Analysis	3,341	0	0
Emerging Threat Info Sharing & Analysis Center, Univ of Arkansas Little Rock, AR	1,000	0	0
Oakland University Cybersecurity Center, MI	2,000	0	0
Program Direction - CESER	1,350	0	0
NEUP, SBIR/STTR, and TCF	37,352	102,072	115,408
Mining, Conversion, and Transportation	0	0	1,500
Fuel Cycle Research & Development	0	0	1,500
Advanced Reactor Demonstration Program (ARDP)	0	60,000	0
Advanced Reactors Demonstration Program	0	60,000	0
Artificial Intelligence and Technology Office	1,000	1,000	0
Other Revenues	-60,578	-60,578	-60,578
Miscellaneous Revenues	-60,578	-60,578	-60,578
Subtotal, Departmental Administration (Gross)	-59,578	-59,578	-60,578
Defense Related Administrative Support	-183,710	-203,648	-203,649
Defense-Related Administrative Support	183,710	203,648	203,649
Technology Transitions Program Office	1,645	2,875	11,911
Small Sites - NDEC	15,000	10,554	0

DEPARTMENT OF ENERGY

Laboratory Table

No LPI FY 2024

(Dollars in Thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request Detail
Mercury Receipts	0	3,000	3,000
Use of Mercury Receipts	0	-3,000	-3,000
Defense Uranium Enrichment D&D Program	573,333	586,035	427,000
Clean Energy Demonstrations	0	50,000	160,000
Purchase Power and Wheeling - SEPA	66,353	92,687	0
Program Direction - SEPA	7,284	8,273	0
Offsetting collections (for PD) - SEPA	-7,184	-8,173	0
Offsetting collections (for PPW) - SEPA	-53,000	-78,696	0
Offsetting Collections - SEPA	-60,184	-86,869	0
Less alternative financing (for PD) - SEPA	-100	-100	0
Less alternative financing (for PPW) - SEPA	-13,353	-13,991	0
Less alternative financing - SEPA	-13,453	-14,091	0
Offsetting Collections (for O&M) - SWPA	-4,395	-7,998	-8,884
Offsetting Collections (for PD) - SWPA	-33,529	-34,882	-32,002
Offsetting Collections (for PPW) - SWPA	-39,000	-70,000	-80,000
Offsetting Collections - SWPA	-76,924	-112,880	-120,886
Less alternative financing (for O&M) - SWPA	-4,591	-5,279	-4,388
Less alternative financing (for Construction) - SWPA	-10,901	-11,035	-8,806
Less alternative financing (for PPW) - SWPA	-23,000	-23,000	-40,000
Less alternative financing (for PD) - SWPA	0	0	-4,217
Less alternative financing - SWPA	-38,492	-39,314	-57,411
<b>Total No LPI</b>	<b>1,192,168</b>	<b>1,407,077</b>	<b>1,340,766</b>