

**DEPARTMENT OF ENERGY**  
**Comparative Appropriation by Congressional Control**  
FY 2024  
(Dollars in Thousands)

	FY 2022	FY 2023	FY 2024	FY 2024 Presidents Budget vs. FY 2023	
	Enacted <sup>(1)</sup>	Enacted <sup>(1), (2), (3)</sup>	Presidents Budget	Enacted	
				\$	%

**Discretionary Detail by Appropriation**

**Energy Efficiency and Renewable Energy**

Vehicle Technologies	420,000	455,000	526,942	+71,942	+15.8%
Bioenergy Technologies	262,000	280,000	323,000	+43,000	+15.4%
Hydrogen and Fuel Cells Technologies	157,500	170,000	163,075	-6,925	-4.1%
Sustainable Transportation	839,500	905,000	1,013,017	+108,017	11.9%
Renewable Energy Grid Integration	40,000	45,000	59,066	+14,066	31.3%
Solar Energy Technologies	290,000	318,000	378,908	+60,908	19.2%
Wind Energy Technologies	114,000	132,000	385,000	+253,000	191.7%
Water Power Technologies	162,000	179,000	229,769	+50,769	28.4%
Geothermal Technologies	109,500	118,000	216,000	+98,000	83.1%
Renewable Power	715,500	792,000	1,268,743	+476,743	60.2%
Advanced Manufacturing	416,000	450,000	0	-450,000	-100.0%
Industrial Efficiency & Decarbonization Office	0	0	394,245	+394,245	N/A
Advanced Materials & Manufacturing Technologies Office	0	0	241,497	+241,497	N/A
Federal Energy Management Program (EERE)	40,000	0	0	0	N/A
Building Technologies	307,500	332,000	347,841	+15,841	4.8%
Weatherization Assistance Program (EERE)	313,000	0	0	0	N/A
Training and Technical Assistance (EERE)	6,000	0	0	0	N/A
Weatherization Readiness	15,000	0	0	0	N/A
State Energy Program Grants (EERE)	63,000	0	0	0	N/A
Local Government Energy Program	10,000	0	0	0	N/A
Energy Future Grants (EERE)	20,000	0	0	0	N/A
Weatherization and Intergovernmental Programs	427,000	0	0	0	N/A
Buildings & Industry (formerly Energy Efficiency)	1,190,500	782,000	983,583	+201,583	25.8%
Facilities and Infrastructure - NREL	140,000	160,000	220,391	+60,391	37.7%
21-EE-001, Energy Materials Processing at Scale (EMAPS)	8,000	45,000	57,000	+12,000	26.7%
Facilities and Infrastructure	148,000	205,000	277,391	+72,391	35.3%
Program Direction - Energy Efficiency and Renewable Energy	209,453	186,000	225,623	+39,623	21.3%
Strategic Programs	20,000	21,000	57,759	+36,759	175.0%
Program Direction (EERE/FEMP)	0	14,000	0	-14,000	-100.0%
Program Direction (EERE/MESC)	0	1,000	0	-1,000	-100.0%
Program Direction (EERE/SCEP)	0	22,000	0	-22,000	-100.0%
Total Program Direction (EERE)	0	37,000	0	-37,000	-100.0%
Corporate Support	377,453	449,000	560,773	+111,773	24.9%
Congressional Directed Spending - EERE	77,047	0	0	0	N/A
Federal Energy Management Program (FEMP)	0	29,000	0	-29,000	-100.0%
FEEF/AFFECT (FEMP)	0	14,000	0	-14,000	-100.0%
Facility and Workforce Assistance (MESC)	0	16,000	0	-16,000	-100.0%
Energy Sector Industrial Base (MESC)	0	2,000	0	-2,000	-100.0%
Weatherization Assistance Program (SCEP)	0	326,000	0	-326,000	-100.0%
Training and Technical Assistance (SCEP)	0	10,000	0	-10,000	-100.0%
Local Government Energy Program (SCEP)	0	12,000	0	-12,000	-100.0%
Energy Future Grants (SCEP)	0	27,000	0	-27,000	-100.0%
State Energy Program Grants (SCEP)	0	66,000	0	-66,000	-100.0%
Weatherization Readiness Fund (SCEP)	0	30,000	0	-30,000	-100.0%
<b>Total, Energy Efficiency and Renewable Energy</b>	<b>3,200,000</b>	<b>3,460,000</b>	<b>3,826,116</b>	<b>+366,116</b>	<b>10.6%</b>

**Electricity**

Transmission Reliability and Resilience	26,000	34,000	42,500	+8,500	25.0%
Energy Delivery Grid Operations Technology	23,000	31,000	30,000	-1,000	-3.2%
Resilient Distribution Systems	55,000	55,000	47,300	-7,700	-14.0%
Cyber Resilient & Secure Utility Communications Network (SecureNet)	11,150	15,000	15,000	0	N/A
Grid Controls and Communications	115,150	135,000	134,800	-200	-0.1%
Energy Storage R&D	73,000	95,000	78,600	-16,400	-17.3%
20-OE-100 Grid Storage Launchpad	47,000	0	0	0	N/A
Energy Storage	120,000	95,000	78,600	-16,400	-17.3%
Transformer Resilience and Advanced Components	11,000	27,500	21,700	-5,800	-21.1%
Applied Grid Transformation Solutions	0	10,000	29,700	+19,700	197.0%
Grid Hardware, Components, and Systems	131,000	132,500	130,000	-2,500	-1.9%
Electricity Innovation and Transition	0	0	14,000	+14,000	N/A
Grid Planning and Development (formerly, Transmission Permitting & Tech Assist.)	8,000	0	0	0	N/A
Grid Planning & Development (GDO)	0	16,000	0	-16,000	-100.0%
Grid Technical Assistance (GDO)	0	25,000	0	-25,000	-100.0%
Interregional and Offshore Transmission Planning	0	2,000	0	-2,000	-100.0%
Wholesale Electricity Market Technical Assistance and Grants	0	16,500	0	-16,500	-100.0%
Congressional Directed Spending - Electricity	2,850	0	0	0	N/A
Program Direction - OE	17,000	17,793	18,675	+882	5.0%
Program Direction - GDO	3,000	5,207	0	-5,207	-100.0%
Total Program Direction (OE)	20,000	23,000	18,675	-4,325	-18.8%
<b>Total, Electricity</b>	<b>277,000</b>	<b>350,000</b>	<b>297,475</b>	<b>-52,525</b>	<b>-15.0%</b>

**Cybersecurity, Energy Security, and Emergency Response**

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<b>Cybersecurity, Energy Security and Emergency Response</b>					
Risk Management Technology and Tools	129,804	125,000	135,000	+10,000	8.0%
Response and Restoration	18,000	23,000	39,000	+16,000	69.6%
Policy, Preparedness, and Risk Analysis	19,000	26,857	39,000	+12,143	45.2%
Cybersecurity for the Energy Sector RD&D	0	0	32,475	+32,475	N/A
Program Direction - CESER	16,000	25,143	0	-25,143	-100.0%
<b>Total, Cybersecurity, Energy Security and Emergency Response</b>	<b>185,804</b>	<b>200,000</b>	<b>245,475</b>	<b>+45,475</b>	<b>22.7%</b>
<b>Strategic Petroleum Reserve</b>					
Management	0	207,175	0	-207,175	-100.0%
Facilities Development and Operations	0	0	233,897	+233,897	N/A
Management for SPR Operations	0	0	30,792	+30,792	N/A
Northeast Gasoline Supply Reserve	219,000	0	16,280	+16,280	N/A
<b>Total, Strategic Petroleum Reserve</b>	<b>219,000</b>	<b>207,175</b>	<b>280,969</b>	<b>+73,794</b>	<b>35.6%</b>
<b>Naval Petroleum and Oil Shale Reserves</b>					
Naval Petroleum and Oil Shale Reserve	0	13,004	13,010	+6	0.0%
Naval Petroleum Production Operations	11,650	0	0	0	N/A
Management	2,000	0	0	0	N/A
<b>Total, Naval Petroleum and Oil Shale Reserves</b>	<b>13,650</b>	<b>13,004</b>	<b>13,010</b>	<b>+6</b>	<b>0.0%</b>
<b>SPR Petroleum Account</b>					
SPR - Petroleum Account	7,350	100	0	-100	-100.0%
Rescission of Prior Year Balances - Strategic Petroleum Reserve	0	-2,052,000	0	+2,052,000	100.0%
<b>Total, SPR Petroleum Account</b>	<b>7,350</b>	<b>-2,051,900</b>	<b>0</b>	<b>+2,051,900</b>	<b>100.0%</b>
<b>Northeast Home Heating Oil Reserve</b>					
Northeast Home Heating Oil Reserves	6,500	7,000	7,150	+150	2.1%
<b>Total, Northeast Home Heating Oil Reserve</b>	<b>6,500</b>	<b>7,000</b>	<b>7,150</b>	<b>+150</b>	<b>2.1%</b>
<b>Total, Cybersecurity, Energy Security, and Emergency Response</b>	<b>432,304</b>	<b>-1,624,721</b>	<b>546,604</b>	<b>+2,171,325</b>	<b>133.6%</b>
<b>Nuclear Energy</b>					
University Nuclear Leadership Program	0	0	6,630	+6,630	N/A
University Fuel Services	0	0	20,222	+20,222	N/A
NEUP, SBIR/STTR, and TCF	100,000	130,276	119,858	-10,418	-8.0%
Integrated University Program	6,000	0	0	0	N/A
Advanced SMR R&D	150,000	165,000	20,000	-145,000	-87.9%
LWR Sustainability	48,000	45,000	35,000	-10,000	-22.2%
Advanced Reactor Technologies	59,000	49,000	43,200	-5,800	-11.8%
Reactor Concepts RD&D	257,000	259,000	98,200	-160,800	-62.1%
Mining, Conversion, and Transportation	2,000	2,000	1,500	-500	-25.0%
Materials Recovery and Waste Form Development	30,000	45,000	39,000	-6,000	-13.3%
Accident Tolerant Fuels	115,000	114,000	108,900	-5,100	-4.5%
TRISO and Graphite Qualification	37,000	32,000	25,000	-7,000	-21.9%
Fuel Cycle Core R&D	23,150	29,000	29,000	0	N/A
Advanced Nuclear Fuel Availability	45,000	0	120,000	+120,000	N/A
HALEU Availability	0	100,000	0	-100,000	-100.0%
Used Nuclear Fuel Disposition R&D	50,000	47,000	46,875	-125	-0.3%
Integrated Waste Management System	18,000	53,000	53,000	0	N/A
Fuel Cycle Research & Development	320,150	422,000	423,275	+1,275	0.3%
Crosscutting Technology Development	29,000	32,000	32,778	+778	2.4%
Joint Modeling and Simulation Program	30,000	28,500	28,500	0	N/A
National Scientific User Facility	33,000	35,000	35,000	0	N/A
Transformational Challenge Reactor	25,000	0	0	0	N/A
Nuclear Energy Enabling Technologies	117,000	95,500	96,278	+778	0.8%
National Reactor Innovation Center	55,000	70,000	34,000	-36,000	-51.4%
Demonstration 1 (X-Energy)	30,000	30,000	0	-30,000	-100.0%
Demonstration 2 (Sodium)	30,000	30,000	0	-30,000	-100.0%
Risk Reduction for Future Demonstrations	115,000	120,000	120,000	0	N/A
Regulatory Development	15,000	10,250	11,000	+750	7.3%
Advanced Reactor Safeguards	5,000	4,750	6,000	+1,250	26.3%
23-E-200 LOTUS Project	0	20,000	32,000	+12,000	60.0%
Advanced Reactors Demonstration Program	250,000	285,000	203,000	-82,000	-28.8%
INL Facilities Operations and Maintenance	295,000	318,924	318,924	0	N/A
ORNL Nuclear Facilities O&M	20,000	20,000	0	-20,000	-100.0%
Research Reactor Infrastructure	15,000	0	0	0	N/A
16-E-200 Sample Preparation Laboratory	41,850	7,300	0	-7,300	-100.0%
Infrastructure	371,850	346,224	318,924	-27,300	-7.9%
Idaho Site-wide Safeguards & Security (050)	149,800	150,000	177,733	+27,733	18.5%
International Nuclear Energy Cooperation	3,000	0	13,000	+13,000	N/A
Program Direction - Nuclear Energy	80,000	85,000	85,500	+500	0.6%
<b>Total, Nuclear Energy</b>	<b>1,654,800</b>	<b>1,773,000</b>	<b>1,562,620</b>	<b>-210,380</b>	<b>-11.9%</b>
<b>Nuclear Waste Fund Oversight</b>					
Oversight Activities Nuclear Waste Disposal	7,500	10,205	12,040	+1,835	18.0%
Interim Storage	20,000	0	0	0	N/A
<b>Total, Nuclear Waste Fund Oversight</b>	<b>27,500</b>	<b>10,205</b>	<b>12,040</b>	<b>+1,835</b>	<b>18.0%</b>

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<b>Fossil Energy and Carbon Management</b>					
Hydrogen with Carbon Management	101,000	95,000	85,000	-10,000	-10.5%
Carbon Transport and Storage	97,000	110,000	110,000	0	N/A
Carbon Dioxide Removal	78,000	70,000	70,000	0	N/A
Carbon Dioxide Conversion	0	0	50,000	+50,000	N/A
Point-Source Carbon Capture	99,000	0	144,000	+144,000	N/A
Carbon Management - Policy, Analysis and Engagement (previous 2 controls)	0	0	5,000	+5,000	N/A
Carbon Management - Policy and Analysis	2,400	0	0	0	N/A
Carbon Management - Justice and Engagement	1,000	0	0	0	N/A
Supercritical Transformational Electric Power (STEP)	15,000	0	0	0	N/A
Carbon Management Technologies	393,400	275,000	464,000	+189,000	68.7%
Advanced Remediation Technologies	55,600	55,000	13,000	-42,000	-76.4%
Methane Mitigation Technologies	39,000	60,000	100,000	+40,000	66.7%
Natural Gas Decarbonization and Hydrogen Technologies	20,000	26,000	20,000	-6,000	-23.1%
Mineral Sustainability	53,000	54,000	45,000	-9,000	-16.7%
Resource Sustainability - Analysis and Engagement	0	0	1,000	+1,000	N/A
Resource Sustainability	167,600	195,000	179,000	-16,000	-8.2%
Energy Asset Transformation (formerly Repurposing Fossil Energy Assets)	5,000	6,000	6,000	0	N/A
University Training and Research (previous 2 controls)	13,000	13,000	19,000	+6,000	46.2%
Special Recruitment Programs	1,001	1,000	1,000	0	N/A
Program Direction - Fossil Energy	66,800	70,000	92,475	+22,475	32.1%
NETL Infrastructure - Fossil Energy	75,000	55,000	55,000	0	N/A
NETL Research and Operations - Fossil Energy	83,000	87,000	89,000	+2,000	2.3%
NETL Interagency Working Group	0	3,000	0	-3,000	-100.0%
Carbon Capture	0	135,000	0	-135,000	-100.0%
Carbon Utilization	0	50,000	0	-50,000	-100.0%
Congressional Directed Spending - Fossil Energy	20,199	0	0	0	N/A
FECM_PreBY23	20,199	185,000	0	-185,000	-100.0%
<b>Total, Fossil Energy and Carbon Management</b>	<b>825,000</b>	<b>890,000</b>	<b>905,475</b>	<b>+15,475</b>	<b>1.7%</b>
<b>Uranium Enrichment Decontamination and Decommissioning (D&amp;D)</b>					
Oak Ridge (D&D Fund)	105,000	92,946	91,000	-1,946	-2.1%
Nuclear Facility D&D, Paducah	240,000	240,000	217,874	-22,126	-9.2%
Nuclear Facility D&D, Portsmouth	392,911	424,354	418,258	-6,096	-1.4%
15-U-408 On-site Waste Disposal Facility, Portsmouth	8,900	0	0	0	N/A
20-U-401 On-site Waste Disposal Facility	65,235	56,040	74,552	+18,512	33.0%
Construction - Portsmouth	74,135	56,040	74,552	+18,512	33.0%
Pension and Community and Regulatory Support	31,799	50,912	31,398	-19,514	-38.3%
Title X Uranium Thorium Reimbursement Program	16,155	14,800	24,400	+9,600	64.9%
<b>Total, Uranium Enrichment Decontamination and Decommissioning (D&amp;D)</b>	<b>860,000</b>	<b>879,052</b>	<b>857,482</b>	<b>-21,570</b>	<b>-2.5%</b>
<b>Defense Uranium Enrichment D&amp;D</b>					
Defense Uranium Enrichment D&D Program	573,333	586,035	0	-586,035	-100.0%
No_Program	0	0	427,000	+427,000	N/A
<b>Total, Defense Uranium Enrichment D&amp;D</b>	<b>573,333</b>	<b>586,035</b>	<b>427,000</b>	<b>-159,035</b>	<b>-27.1%</b>
<b>Non-Defense Environmental Cleanup</b>					
Fast Flux Test Reactor Facility (WA)	3,100	3,200	3,200	0	N/A
Gaseous Diffusion Plants	121,203	130,938	132,983	+2,045	1.6%
Small Sites - NDEC	119,340	132,463	122,635	-9,828	-7.4%
West Valley Demonstration Project - NDEC	88,120	89,882	89,882	0	N/A
Management and Storage of Elemental Mercury	2,100	2,100	0	-2,100	-100.0%
Mercury Receipts	0	3,000	3,000	0	N/A
Use of Mercury Receipts	0	-3,000	-3,000	0	N/A
<b>Total, Non-Defense Environmental Cleanup</b>	<b>333,863</b>	<b>358,583</b>	<b>348,700</b>	<b>-9,883</b>	<b>-2.8%</b>
<b>Science</b>					
Research - Advanced Scientific Computing Research	906,000	991,000	1,110,973	+119,973	12.1%
17-SC-20, SC Exascale Computing Project (ECP)	129,000	77,000	14,000	-63,000	-81.8%
24-SC-20, High Performance Data Facility	0	0	1,000	+1,000	N/A
Advanced Scientific Computing Research	1,035,000	1,068,000	1,125,973	+57,973	5.4%
Research - Basic Energy Sciences	2,003,800	2,240,800	2,432,233	+191,433	8.5%
24-SC-10, HFIR Pressure Vessel Replacement (PVR), ORNL	0	0	4,000	+4,000	N/A
24-SC-12, Future NSLS-II Experimental Tools - III (NEXT-III)	0	0	2,556	+2,556	N/A
21-SC-10, Cryomodule Repair and Maintenance Facility, SLAC	1,000	10,000	9,000	-1,000	-10.0%
19-SC-14, Second Target Station (STS), ORNL	32,000	32,000	52,000	+20,000	62.5%
18-SC-10, Advanced Photon Source Upgrade (APS-U), ANL	101,000	9,200	0	-9,200	-100.0%
18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL	17,000	17,000	15,769	-1,231	-7.2%
18-SC-12, Advanced Light Source Upgrade (ALS-U), LBNL	75,100	135,000	57,300	-77,700	-57.6%
18-SC-13, Linac Coherent Light Source-II-High Energy (LCLS-II-HE), SLAC	50,000	90,000	120,000	+30,000	33.3%
13-SC-10, Linac Coherent Light Source-II (LCLS-II), SLAC	28,100	0	0	0	N/A
Construction - Basic Energy Sciences	304,200	293,200	260,625	-32,575	-11.1%

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Basic Energy Sciences	2,308,000	2,534,000	2,692,858	+158,858	6.3%
Research - Biological & Environmental Research	815,000	908,685	921,700	+13,015	1.4%
24-SC-31, Microbial Molecular Phenotyping Capability (M2PC), PNNL	0	0	10,000	+10,000	N/A
Biological and Environmental Research - Construction	0	0	10,000	+10,000	N/A
Biological and Environmental Research	815,000	908,685	931,700	+23,015	2.5%

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Research - Fusion Energy Sciences	460,000	510,222	760,496	+250,274	49.1%
20-SC-61, Matter in Extreme Conditions (MEC) Petawatt Upgrade, SLAC	11,000	11,000	10,000	-1,000	-9.1%
14-SC-60, U.S. Contributions to ITER (U.S. ITER)	242,000	242,000	240,000	-2,000	-0.8%
Construction - Fusion Energy Sciences	253,000	253,000	250,000	-3,000	-1.2%
Fusion Energy Sciences	713,000	763,222	1,010,496	+247,274	32.4%
Research - High Energy Physics	810,000	868,000	850,334	-17,666	-2.0%
18-SC-42, Proton Improvement Plan II (PIP-II), FNAL	90,000	120,000	125,000	+5,000	4.2%
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	176,000	176,000	251,000	+75,000	42.6%
11-SC-41, Muon to Electron Conversion Experiment, FNAL	2,000	2,000	0	-2,000	-100.0%
Construction - High Energy Physics	268,000	298,000	376,000	+78,000	26.2%
High Energy Physics	1,078,000	1,166,000	1,226,334	+60,334	5.2%
Operations and Maintenance - Nuclear Physics	708,000	755,196	721,418	-33,778	-4.5%
20-SC-52, Electron Ion Collider, BNL	20,000	50,000	90,000	+40,000	80.0%
Construction - Nuclear Physics	20,000	50,000	90,000	+40,000	80.0%
Nuclear Physics	728,000	805,196	811,418	+6,222	0.8%
Research - Isotope R&D and Production	70,000	85,451	142,651	+57,200	66.9%
20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL	12,000	24,000	20,900	-3,100	-12.9%
24-SC-92 Clinical Alpha Radionuclide Producer (CARP), BNL	0	0	1,000	+1,000	N/A
24-SC-91 Radioisotope Processing Facility (RPF), ORNL	0	0	8,500	+8,500	N/A
Construction - Isotope R&D and Production	12,000	24,000	30,400	+6,400	26.7%
Isotope R&D and Production	82,000	109,451	173,051	+63,600	58.1%
Research - Accelerator R&D and Production	18,000	27,436	34,270	+6,834	24.9%
Accelerator R&D and Production	18,000	27,436	34,270	+6,834	24.9%
Workforce Development for Teachers & Scientists	35,000	42,000	46,100	+4,100	9.8%
Payment In Lieu of Taxes	4,820	4,891	5,004	+113	2.3%
Oak Ridge Landlord	6,430	6,559	6,910	+351	5.4%
Oak Ridge Nuclear Operations	26,000	26,000	46,000	+20,000	76.9%
Facilities and Infrastructure (SLI)	14,450	13,900	32,104	+18,204	131.0%
Laboratory Operations Internship	0	0	3,000	+3,000	N/A
22-SC-71, Critical Infrastructure Modernization Project, ORNL	1,000	0	0	0	N/A
22-SC-72, Thomas Jefferson Infrastructure Improvements, TJNAF	1,000	0	0	0	N/A
21-SC-71, Princeton Plasma Innovation Center, PPPL	7,750	10,000	15,000	+5,000	50.0%
21-SC-72, Critical Infrastructure Recovery & Renewal, PPPL	2,000	4,000	10,000	+6,000	150.0%
21-SC-73, Ames Infrastructure Modernization	2,000	2,000	8,000	+6,000	300.0%
20-SC-71, Critical Utilities Rehabilitation Project, BNL	26,000	26,000	0	-26,000	-100.0%
20-SC-72, Seismic and Safety Modernization, LBNL	18,000	27,500	40,000	+12,500	45.5%
20-SC-73, CEBAF Renovation and Expansion, TJNAF (19-SC-73)	10,000	15,000	11,000	-4,000	-26.7%
20-SC-75, Large Scale Collaboration Center, SLAC (19-SC-75)	21,000	21,000	0	-21,000	-100.0%
20-SC-76, Tritium System Demolition and Disposal, PPPL (20-SC-76)	6,400	0	0	0	N/A
20-SC-77, Argonne Utilities Upgrade, ANL (20-SC-79)	10,000	8,000	8,007	+7	0.1%
20-SC-78, Linear Assets Modernization Project, LBNL (20-SC-80)	10,400	23,425	18,900	-4,525	-19.3%
20-SC-79, Critical Utilities Infrastructure Revitalization, SLAC (20-SC-81)	8,500	25,425	35,075	+9,650	38.0%
20-SC-80, Utilities Infrastructure Project, FNAL (20-SC-82)	10,500	20,000	45,000	+25,000	125.0%
19-SC-71, Science User Support Center, BNL	38,000	0	0	0	N/A
19-SC-73, Translational Research Capability, ORNL	21,500	0	0	0	N/A
19-SC-74, Biological & Environmental Program Integration Center (BioEPIC), LBNL	35,000	45,000	38,000	-7,000	-15.6%
17-SC-71, Integrated Engineering Research Center, FNAL	10,250	0	0	0	N/A
22-SC-71, Critical Infrastructure Modernization Project (CIMP), ORNL	0	1,000	0	-1,000	-100.0%
22-SC-72, Thomas Jefferson Infrastructure Improvements (TJII), TJNAF	0	1,000	0	-1,000	-100.0%
Construction - Science Laboratories Infrastructure	239,300	229,350	228,982	-368	-0.2%
Science Laboratories Infrastructure	291,000	280,700	322,000	+41,300	14.7%
Safeguards and Security - SC	170,000	184,099	200,000	+15,901	8.6%
Program Direction - SC	202,000	211,211	226,200	+14,989	7.1%
<b>Total, Science</b>	<b>7,475,000</b>	<b>8,100,000</b>	<b>8,800,400</b>	<b>+700,400</b>	<b>8.6%</b>
<b>Federal Energy Management Program(FEMP)</b>					N/A
Federal Energy Management Program (FEMP)	0	0	45,000	+45,000	N/A
FEEF/AFFECT (FEMP)	0	0	20,000	+20,000	N/A
Program Direction - FEMP	0	0	17,200	+17,200	N/A
<b>Total, Federal Energy Management Program(FEMP)</b>	<b>0</b>	<b>0</b>	<b>82,200</b>	<b>+82,200</b>	<b>N/A</b>
<b>Grid Deployment Office</b>					N/A
Interregional and Offshore Transmission Planning	0	0	22,000	+22,000	N/A
Offshore Wind Planning & Development (GDO)	0	0	8,000	+8,000	N/A
Technical Assistance (GDO)	0	0	26,500	+26,500	N/A
Wholesale Electricity Market Technical Assistance and Grants	0	0	19,000	+19,000	N/A
EV Grid Planning & Markets (GDO)	0	0	5,000	+5,000	N/A
Territory, Tribal, & Rural Community Development (GDO)	0	0	12,750	+12,750	N/A
Hydropower Incentives (GDO)	0	0	250	+250	N/A
Program Direction - GDO	0	0	13,100	+13,100	N/A
Total Program Direction (OE)	0	0	13,100	+13,100	N/A
<b>Total, Grid Deployment Office</b>	<b>0</b>	<b>0</b>	<b>106,600</b>	<b>+106,600</b>	<b>N/A</b>

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FY 2022 Enacted <sup>(1)</sup>	FY 2023 Enacted <sup>(1), (2), (3)</sup>	FY 2024 Presidents Budget	FY 2024 Presidents Budget vs. FY 2023 Enacted	
			\$	%

<b>Office of Manufacturing &amp; Energy Supply Chains (MESC)</b>					N/A
Facility and Workforce Assistance (MESC)	0	0	15,000	+15,000	N/A
Program Direction - MESC	0	0	24,490	+24,490	N/A
Defense Production Act (MESC)	0	0	65,000	+65,000	N/A
Global Clean Energy Manufacturing Initiative (MESC)	0	0	75,000	+75,000	N/A
<b>Total, Office of Manufacturing &amp; Energy Supply Chains (MESC)</b>	<b>0</b>	<b>0</b>	<b>179,490</b>	<b>+179,490</b>	<b>N/A</b>
<b>Office of State and Community Programs (SCEP)</b>					N/A
Weatherization Assistance Program (SCEP)	0	0	375,000	+375,000	N/A
Training and Technical Assistance (SCEP)	0	0	10,000	+10,000	N/A
Local Government Energy Program (SCEP)	0	0	65,000	+65,000	N/A
Energy Future Grants (SCEP)	0	0	40,000	+40,000	N/A
State Energy Program Grants (SCEP)	0	0	75,000	+75,000	N/A
Program Direction - SCEP	0	0	33,000	+33,000	N/A
Weatherization Readiness Fund (SCEP)	0	0	52,000	+52,000	N/A
Energy Burden Reduction Pilot (SCEP)	0	0	50,000	+50,000	N/A
IWG (SCEP)	0	0	5,000	+5,000	N/A
<b>Total, Office of State and Community Programs (SCEP)</b>	<b>0</b>	<b>0</b>	<b>705,000</b>	<b>+705,000</b>	<b>N/A</b>
<b>Departmental Administration</b>					
Office of the Secretary	5,582	6,642	6,737	+95	1.4%
Congressional & Intergovernmental Affairs	6,000	5,000	7,198	+2,198	44.0%
Office of the Chief Financial Officer	56,591	62,283	67,345	+5,062	8.1%
Economic Impact & Diversity	20,000	34,140	53,665	+19,525	57.2%
Office of International Affairs	28,000	32,000	50,142	+18,142	56.7%
Chief Information Officer	197,000	215,000	245,169	+30,169	14.0%
Artificial Intelligence and Technology Office	1,000	1,000	0	-1,000	-100.0%
Undistributed Other Departmental Administration	0	500	0	-500	-100.0%
Other Departmental Administration	170,115	191,161	267,446	+76,285	39.9%
Strategic Partnership Projects	40,000	40,000	40,000	0	N/A
Revenues Associated with SPP	-40,000	-40,000	-40,000	0	N/A
Other Revenues	-60,578	-60,578	-60,578	0	N/A
Miscellaneous Revenues	-100,578	-100,578	-100,578	0	N/A
Subtotal, Departmental Administration (Gross)	423,710	486,648	637,124	+150,476	30.9%
Defense Related Administrative Support	-183,710	-203,648	-203,649	-1	-0.0%
<b>Total, Departmental Administration</b>	<b>240,000</b>	<b>283,000</b>	<b>433,475</b>	<b>+150,475</b>	<b>53.2%</b>
<b>Inspector General</b>					
Program Direction - Office of Inspector General	78,000	86,000	165,161	+79,161	92.0%
<b>Total, Inspector General</b>	<b>78,000</b>	<b>86,000</b>	<b>165,161</b>	<b>+79,161</b>	<b>92.0%</b>
<b>Office of Technology Transitions (OTT)</b>					
Foundation for Energy Security and Innovation	0	0	31,000	+31,000	N/A
Technology Transitions Program Office	11,095	8,915	11,911	+2,996	33.6%
Office of Technology Transitions Program Direction	8,375	13,183	13,639	+456	3.5%
<b>Total, Office of Technology Transitions (OTT)</b>	<b>19,470</b>	<b>22,098</b>	<b>56,550</b>	<b>+34,452</b>	<b>155.9%</b>
<b>Energy Information Administration</b>					
Energy Information Administration (EIA)	129,087	135,000	156,550	+21,550	16.0%
<b>Total, Energy Information Administration</b>	<b>129,087</b>	<b>135,000</b>	<b>156,550</b>	<b>+21,550</b>	<b>16.0%</b>
<b>Advanced Research Projects Agency - Energy</b>					
ARPA-E Projects	414,000	433,000	595,000	+162,000	37.4%
Program Direction - ARPA-E	36,000	37,000	55,200	+18,200	49.2%
<b>Total, Advanced Research Projects Agency - Energy</b>	<b>450,000</b>	<b>470,000</b>	<b>650,200</b>	<b>+180,200</b>	<b>38.3%</b>
<b>Office of Clean Energy Demonstrations</b>					
Clean Energy Demonstrations	12,000	64,000	170,000	+106,000	165.6%
Program Direction - OCED	8,000	25,000	45,300	+20,300	81.2%
<b>Total, Office of Clean Energy Demonstrations</b>	<b>20,000</b>	<b>89,000</b>	<b>215,300</b>	<b>+126,300</b>	<b>141.9%</b>
<b>Indian Energy Policy and Programs</b>					
Indian Energy Policy & Programs	52,477	61,000	89,697	+28,697	47.0%
Program Direction - Indian Energy Program	5,523	14,000	20,353	+6,353	45.4%
<b>Total, Indian Energy Policy and Programs</b>	<b>58,000</b>	<b>75,000</b>	<b>110,050</b>	<b>+35,050</b>	<b>46.7%</b>
<b>Credit Programs</b>					
<b>Title 17 Innovative Technology Loan Guarantee Program</b>					
Loan Guarantee Program	32,000	0	0	0	N/A
Administrative Expenses	0	0	70,000	+70,000	N/A
Offsetting Collections - Title 17 Innovative Technology Loan Guarantee Program	-3,000	0	-196,524	-196,524	N/A

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	FY 2022	FY 2023	FY 2024	FY 2024 Presidents Budget vs. FY 2023	
	Enacted <sup>(1)</sup>	Enacted <sup>(1), (2), (3)</sup>	Presidents Budget	Enacted	
				\$	%
Guaranteed Loan Subsidy Rescission	0	-150,000	0	+150,000	100.0%
New Loan Authority	0	150,000	0	-150,000	-100.0%
No_Program	0	-135,794	0	+135,794	100.0%
<b>Total, Title 17 Innovative Technology Loan Guarantee Program</b>	<b>29,000</b>	<b>-135,794</b>	<b>-126,524</b>	<b>+9,270</b>	<b>6.8%</b>
<b>Advanced Technology Vehicles Manufacturing Loan Program</b>					
Administrative Expenses	5,000	9,800	13,000	+3,200	32.7%
<b>Total, Advanced Technology Vehicles Manufacturing Loan Program</b>	<b>5,000</b>	<b>9,800</b>	<b>13,000</b>	<b>+3,200</b>	<b>32.7%</b>
<b>Tribal Energy Loan Guarantee Program</b>					
Administrative Expenses	0	0	6,300	+6,300	N/A
Administrative Expenses - Tribal Energy Loan Guarantee Program	2,000	2,000	0	-2,000	-100.0%
Tribal Energy Loan Guarantee Credit Subsidy	0	2,000	0	-2,000	-100.0%
<b>Total, Tribal Energy Loan Guarantee Program</b>	<b>2,000</b>	<b>4,000</b>	<b>6,300</b>	<b>+2,300</b>	<b>57.5%</b>
<b>Total, Credit Programs</b>	<b>36,000</b>	<b>-121,994</b>	<b>-107,224</b>	<b>+14,770</b>	<b>12.1%</b>
<b>Total, National Nuclear Security Administration</b>					
<b>Weapons Activities</b>					
B61-12 LEP	771,664	672,019	449,850	-222,169	-33.1%
W88 ALT 370	207,157	162,057	178,823	+16,766	10.3%
W80-4 LEP	1,080,400	1,122,451	1,009,929	-112,522	-10.0%
W80-4 ALT-SLCM	10,000	20,000	0	-20,000	-100.0%
W87-1 Modification Program	691,031	680,127	1,068,909	+388,782	57.2%
W93 Program	72,000	240,509	389,656	+149,147	62.0%
Stockpile Major Modernization	2,832,252	2,897,163	3,097,167	+200,004	6.9%
Stockpile Sustainment	1,180,483	1,321,139	1,276,578	-44,561	-3.4%
Weapons Dismantlement and Disposition	56,000	56,000	53,718	-2,282	-4.1%
Production Operations	568,941	630,894	710,822	+79,928	12.7%
Nuclear Enterprise Assurance	0	48,911	66,614	+17,703	36.2%
Stockpile Management	4,637,676	4,954,107	5,204,899	+250,792	5.1%
Los Alamos Plutonium Operations	660,419	767,412	833,100	+65,688	8.6%
21-D-512, Plutonium Pit Production Project, LANL	350,000	588,234	670,000	+81,766	13.9%
15-D-302, TA-55 Reinvestments Project, Phase 3, LANL	27,000	30,002	30,000	-2	-0.0%
07-D-220-04, Transuranic Liquid Waste Facility, LANL	30,000	24,759	0	-24,759	-100.0%
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL	138,123	138,123	227,122	+88,999	64.4%
Los Alamos Plutonium Modernization	1,205,542	1,548,530	1,760,222	+211,692	13.7%
Savannah River Plutonium Operations	128,000	58,300	62,764	+4,464	7.7%
21-D-511, Savannah River Plutonium Processing Facility, SRS	475,000	1,200,000	858,235	-341,765	-28.5%
Savannah River Plutonium Modernization	603,000	1,258,300	920,999	-337,301	-26.8%
Enterprise Plutonium Support	107,098	88,993	87,779	-1,214	-1.4%
Plutonium Modernization	1,915,640	2,895,823	2,769,000	-126,823	-4.4%
High Explosives & Energetics	68,785	101,380	93,558	-7,822	-7.7%
23-D-516, Energetic Materials Characterization Facility, LANL	0	19,000	0	-19,000	-100.0%
21-D-510, HE Synthesis, Formulation, and Production, PX	44,500	108,000	0	-108,000	-100.0%
15-D-301, HE Science & Engineering Facility, PX	0	20,000	101,356	+81,356	406.8%
HE & Energetics	113,285	248,380	194,914	-53,466	-21.5%
Primary Capability Modernization	2,028,925	3,144,203	2,963,914	-180,289	-5.7%
Uranium Modernization	306,086	0	0	0	N/A
Depleted Uranium Modernization	138,216	0	0	0	N/A
Lithium Modernization	43,795	0	0	0	N/A
18-D-690, Lithium Processing Facility, Y-12	167,902	216,886	210,770	-6,116	-2.8%
06-D-141, Uranium Processing Facility, Y-12	600,000	362,000	760,000	+398,000	109.9%
Secondary Capability Modernization (SCM)	0	536,363	666,914	+130,551	24.3%
Secondary Capability Modernization	1,255,999	1,115,249	1,637,684	+522,435	46.8%
Tritium Sustainment and Modernization	349,036	0	592,992	+592,992	N/A
Domestic Uranium Enrichment	139,981	0	0	0	N/A
Tritium & Domestic Uranium Enrichment	0	506,649	0	-506,649	-100.0%
18-D-650, Tritium Finishing Facility, SRS	27,000	73,300	0	-73,300	-100.0%
Tritium and Domestic Uranium Enrichment	516,017	579,949	592,992	+13,043	2.2%
Non-Nuclear Capability Modernization	144,563	123,084	166,990	+43,906	35.7%
22-D-513, Power Sources Capability, SNL	13,827	0	37,886	+37,886	N/A
Total, Non-Nuclear Capability Modernization	158,390	123,084	204,876	+81,792	66.5%
Capability Based Investments	187,566	154,220	156,462	+2,242	1.5%
Planning for Programmatic Construction (Pre-CD-1)	10,000	0	0	0	N/A
Production Modernization	4,156,897	5,116,705	5,555,928	+439,223	8.6%
Primary Assessment Technologies	150,000	154,507	160,634	+6,127	4.0%
Dynamic Materials Properties	130,981	124,366	128,560	+4,194	3.4%
Advanced Diagnostics	35,989	31,064	35,141	+4,077	13.1%
Secondary Assessment Technologies	84,000	72,104	74,880	+2,776	3.8%
Enhanced Capabilities for Subcritical Experiments	215,579	277,225	292,373	+15,148	5.5%
Hydrodynamic and Subcritical Experiment Execution Support	152,845	142,402	146,163	+3,761	2.6%
17-D-640, U1a Complex Enhancements Project, NNSS	135,000	53,130	126,570	+73,440	138.2%
24-D-513 ZEUS Test Bed Facilities Improvement, NNSS	0	0	80,000	+80,000	N/A
Assessment Science	904,394	854,798	1,044,321	+189,523	22.2%
Archiving and Support	45,760	43,950	44,805	+855	1.9%

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				\$	%
Delivery Environments	39,235	37,674	38,388	+714	1.9%
Weapons Survivability	59,500	93,303	88,368	-4,935	-5.3%
Studies and Assessments	0	5,000	79,924	+74,924	1,498.5%
Aging and Lifetimes	87,260	87,260	59,955	-27,305	-31.3%
Stockpile Responsiveness	50,000	63,742	69,882	+6,140	9.6%
Advanced Certification and Qualification	60,330	58,104	59,134	+1,030	1.8%
Engineering and Integrated Assessments	342,085	389,033	440,456	+51,423	13.2%
Inertial Confinement Fusion	580,000	630,000	601,650	-28,350	-4.5%
Surety Technologies	52,537	0	0	0	N/A
Weapon Technology Development	125,093	0	0	0	N/A
Advanced Manufacturing Development	115,000	0	0	0	N/A
Weapons Technology & Manufacturing Modernization	0	286,165	327,745	+41,580	14.5%
Weapons Technology and Manufacturing Maturation	292,630	286,165	327,745	+41,580	14.5%
Advanced Simulation and Computing	747,012	790,000	782,472	-7,528	-1.0%
Advanced Simulation & Computing	747,012	790,000	782,472	-7,528	-1.0%
Stockpile Research, Technology, and Engineering	2,978,033	3,061,908	3,348,915	+287,007	9.4%
Academic Programs and Community Support (formerly Academic Programs)	111,912	111,912	152,271	+40,359	36.1%
Operations of Facilities	1,014,000	1,038,000	1,053,000	+15,000	1.4%
Safety and Environmental Operations	165,354	162,000	139,114	-22,886	-14.1%
Maintenance and Repair of Facilities	700,000	651,617	718,000	+66,383	10.2%
Infrastructure and Safety	600,000	561,663	650,012	+88,349	15.7%
Recapitalization	600,000	561,663	650,012	+88,349	15.7%
Operating	2,479,354	2,413,280	2,560,126	+146,846	6.1%
24-D-510 Analytic Gas Laboratory, PX	0	0	35,000	+35,000	N/A
24-D-511 Plutonium Production Building, LANL	0	0	48,500	+48,500	N/A
24-D-512 TA-46 Protective Force Facility, LANL	0	0	48,500	+48,500	N/A
23-D-519, Special Material Facility, Y-12	0	49,500	0	-49,500	-100.0%
23-D-518 Plutonium Modernization Operations & Waste Management Office Bldg, LANL	0	48,500	0	-48,500	-100.0%
23-D-517 Electrical Power Capacity Upgrade, LANL	0	24,000	75,000	+51,000	212.5%
22-D-514 Digital Infrastructure Capability Expansion, LLNL	8,000	67,300	0	-67,300	-100.0%
Mission Enabling Construction	8,000	189,300	207,000	+17,700	9.4%
I&O - Construction	8,000	189,300	207,000	+17,700	9.4%
Infrastructure and Operations	2,487,354	2,602,580	2,767,126	+164,546	6.3%
STA Operations and Equipment	213,704	214,367	239,008	+24,641	11.5%
Program Direction - STA - Federal Support	117,060	130,070	118,056	-12,014	-9.2%
Secure Transportation Asset	330,764	344,437	357,064	+12,627	3.7%
Operations and Maintenance - DNS	821,090	868,172	988,756	+120,584	13.9%
17-D-710, West End Protected Area Reduction Project, Y-12	23,000	3,928	28,000	+24,072	612.8%
Construction - Defense Nuclear Security	23,000	3,928	28,000	+24,072	612.8%
Defense Nuclear Security (DNS)	844,090	872,100	1,016,756	+144,656	16.6%
Information Technology and Cyber Security	406,530	445,654	578,379	+132,725	29.8%
Legacy Contractor Pensions and Settlement Payments (WA)	78,656	114,632	65,452	-49,180	-42.9%
Use of Prior Year Balance Offset - Weapons Activities	0	-396,004	-61,572	+334,432	84.5%
<b>Total, Weapons Activities</b>	<b>15,920,000</b>	<b>17,116,119</b>	<b>18,832,947</b>	<b>+1,716,828</b>	<b>10.0%</b>
<b>Defense Nuclear Nonproliferation</b>					
Conversion	100,660	153,260	116,675	-36,585	-23.9%
Nuclear Material Removal	42,100	55,000	47,100	-7,900	-14.4%
Material Disposition	200,186	256,025	282,250	+26,225	10.2%
Material Management and Minimization	342,946	464,285	446,025	-18,260	-3.9%
International Nuclear Security	79,939	87,763	84,707	-3,056	-3.5%
Radiological Security	253,002	260,000	258,033	-1,967	-0.8%
Nuclear Smuggling Detection and Deterrence	198,500	185,000	181,308	-3,692	-2.0%
Global Material Security	531,441	532,763	524,048	-8,715	-1.6%
Nonproliferation & Arms Control	184,795	230,656	212,358	-18,298	-7.9%
Proliferation Detection R&D	269,407	299,283	290,388	-8,895	-3.0%
Nuclear Detonation Detection	294,500	279,205	285,603	+6,398	2.3%
Nonproliferation Fuels Development	20,000	20,000	0	-20,000	-100.0%
Forensics R&D	45,000	44,414	44,759	+345	0.8%
Nonproliferation Stewardship Program	100,329	125,000	107,437	-17,563	-14.1%
Defense Nuclear Nonproliferation R&D	729,236	767,902	728,187	-39,715	-5.2%
NNSA Bioassurance Program	0	20,000	25,000	+5,000	25.0%
18-D-150, Surplus Plutonium Disposition Project, SRS	156,000	71,764	77,211	+5,447	7.6%
Nonproliferation Construction	156,000	71,764	77,211	+5,447	7.6%
Emergency Operations	14,597	29,896	19,123	-10,773	-36.0%
Counterterrorism and Counterproliferation	356,185	440,074	474,420	+34,346	7.8%
Nuclear Counterterrorism & Incident Response	370,782	469,970	493,543	+23,573	5.0%
Legacy Contractor Pensions and Settlement Payments - DNN	38,800	55,708	22,587	-33,121	-59.5%
Use of Prior Year Balance Offset - Defense Nuclear Nonproliferation	0	-123,048	-20,000	+103,048	83.7%
<b>Total, Defense Nuclear Nonproliferation</b>	<b>2,354,000</b>	<b>2,490,000</b>	<b>2,508,959</b>	<b>+18,959</b>	<b>0.8%</b>
<b>Naval Reactors</b>					
Naval Reactors Development	640,684	746,000	838,340	+92,340	12.4%
Columbia-Class Reactor Systems Development	55,000	53,900	52,900	-1,000	-1.9%
S8G Prototype Refueling	126,000	20,000	0	-20,000	-100.0%



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				\$	%
Naval Reactors Operations and Infrastructure	594,017	668,802	712,036	+43,234	6.5%
Program Direction - Naval Reactors	55,579	58,525	61,540	+3,015	5.2%
24-D-530 NRF Medical Science Complex	0	0	36,584	+36,584	N/A
22-D-532 Security Upgrades KL	5,100	0	0	0	N/A
22-D-531 KL Chemistry and Radiological Health Building	41,620	0	10,400	+10,400	N/A
21-D-530 KL Steam and Condensate Upgrades	0	0	53,000	+53,000	N/A
21-D-XXX BL Component Test Complex	0	57,420	0	-57,420	-100.0%
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	400,000	476,798	199,300	-277,498	-58.2%
Construction - Naval Reactors	446,720	534,218	299,284	-234,934	-44.0%
<b>Total, Naval Reactors</b>	<b>1,918,000</b>	<b>2,081,445</b>	<b>1,964,100</b>	<b>-117,345</b>	<b>-5.6%</b>
<b>Federal Salaries and Expenses</b>					
Program Direction - National Nuclear Security Administration	464,000	491,800	538,994	+47,194	9.6%
Use of Prior Year Balance Offset - Federal Salaries and Expenses	0	-16,800	0	+16,800	100.0%
<b>Total, Federal Salaries and Expenses</b>	<b>464,000</b>	<b>475,000</b>	<b>538,994</b>	<b>+63,994</b>	<b>13.5%</b>
Rescission of Prior Year Balances - NNSA	-288,133	0	0	0	N/A
<b>Total, National Nuclear Security Administration</b>	<b>20,367,867</b>	<b>22,162,564</b>	<b>23,845,000</b>	<b>+1,682,436</b>	<b>7.6%</b>
<b>Defense Environmental Cleanup</b>					
Closure Sites Administration	3,987	4,067	3,023	-1,044	-25.7%
River Corridor and Other Cleanup Operations	254,479	279,085	180,000	-99,085	-35.5%
Central Plateau Remediation	650,926	695,071	684,289	-10,782	-1.6%
Richland Community and Regulatory Support	8,621	10,013	10,100	+87	0.9%
18-D-404 WESF Modification and Capsule Storage	8,000	3,100	0	-3,100	-100.0%
22-D-401 Eastern Plateau Fire Station	15,200	3,100	7,000	+3,900	125.8%
22-D-402 L-897, 200 Area Water Treatment Facility	12,800	8,900	11,200	+2,300	25.8%
23-D-404 181D Export Water System Reconfiguration and Upgrade	0	6,770	27,149	+20,379	301.0%
23-D-405 181B Export Water System Reconfiguration and Upgrade	0	480	462	-18	-3.8%
24-D-401 Environmental Restoration Disposal Facility Supercell 11 Expansion Proj	0	0	1,000	+1,000	N/A
Construction - Richland	36,000	22,350	46,811	+24,461	109.4%
Richland	950,026	1,006,519	921,200	-85,319	-8.5%
Waste Treatment Immobilization Plant Commissioning	50,000	50,000	466,000	+416,000	832.0%
Rad Liquid Tank Waste Stabilization and Disposition	837,642	851,100	813,625	-37,475	-4.4%
01-D-16D High-Level Waste Facility	144,358	392,200	600,000	+207,800	53.0%
01-D-16E Pretreatment Facility	20,000	20,000	20,000	0	N/A
15-D-409 Low Activity Waste Pretreatment System	0	0	60,000	+60,000	N/A
18-D-16 Waste treatment and immobilization plant - LBL/Direct Feed LAW	586,000	412,700	0	-412,700	-100.0%
23-D-403, Hanford 200 West Area Tank Farms Risk Management Project	0	4,408	15,309	+10,901	247.3%
Construction - Office of River Protection	750,358	829,308	695,309	-133,999	-16.2%
ORP Low-Level Waste Offsite Disposal	7,000	0	0	0	N/A
Office of River Protection (ORP)	1,645,000	1,730,408	1,974,934	+244,526	14.1%
Idaho Cleanup and Waste Disposition	432,313	424,295	377,623	-46,672	-11.0%
Idaho Community and Regulatory Support	2,658	2,705	2,759	+54	2.0%
22-D-403 Idaho Spent Nuclear Fuel Staging Facility	3,000	8,000	10,159	+2,159	27.0%
22-D-404 Additional ICDF Landfill Disposal Cell and Evaporation Ponds Project	5,000	8,000	46,500	+38,500	481.3%
23-D-402 - Calcine Construction	0	15,000	10,000	-5,000	-33.3%
Construction - Idaho	8,000	31,000	66,659	+35,659	115.0%
Idaho National Laboratory (INL)	442,971	458,000	447,041	-10,959	-2.4%
Lawrence Livermore National Laboratory (LLNL)	1,806	1,842	1,879	+37	2.0%
Separations Processing Research Unit	15,000	15,300	15,300	0	N/A
Nevada Site	75,737	62,652	61,952	-700	-1.1%
Sandia National Laboratory (SNL)	4,576	4,003	2,264	-1,739	-43.4%
Los Alamos National Laboratory (LANL)	275,119	286,316	273,831	-12,485	-4.4%
Los Alamos Excess Facilities D&D	17,000	40,519	13,648	-26,871	-66.3%
LLNL Excess Facilities D&D	35,000	35,000	20,195	-14,805	-42.3%
NNSA Sites and Nevada Off-Sites	424,238	445,632	389,069	-66,563	-12.7%
OR Nuclear Facility D&D	337,062	334,221	335,000	+779	0.2%
U233 Disposition Program	55,000	55,628	55,000	-628	-1.1%
OR Cleanup and Waste Disposition	73,725	62,000	72,000	+10,000	16.1%
14-D-403 Outfall 200 Mercury Treatment Facility	0	10,000	10,000	0	N/A
17-D-401 On-site Waste Disposal Facility	12,500	35,000	24,500	-10,500	-30.0%
Construction - Oak Ridge	12,500	45,000	34,500	-10,500	-23.3%
OR Community and Regulatory Support	5,096	5,300	5,500	+200	3.8%
OR Technology Development and Deployment	3,000	3,000	3,000	0	N/A
Oak Ridge (OR)	486,383	505,149	505,000	-149	-0.0%
Savannah River Risk Management Operations	459,090	485,864	453,109	-32,755	-6.7%
18-D-402 Emergency Operations Center Replacement, SR	8,999	25,568	34,733	+9,165	35.8%
19-D-701 SR Security Systems Replacement	5,000	12,000	0	-12,000	-100.0%
Construction - Savannah River Risk Management Operations	13,999	37,568	34,733	-2,835	-7.5%
<b>Total, Savannah River Risk Management Operations</b>	<b>473,089</b>	<b>523,432</b>	<b>487,842</b>	<b>-35,590</b>	<b>-6.8%</b>
SR Community and Regulatory Support	11,805	12,137	12,389	+252	2.1%
Savannah River National Laboratory Operations & Maintenance	0	41,000	42,000	+1,000	2.4%
Radioactive Liquid Tank Waste Stabilization	889,365	851,660	880,323	+28,663	3.4%
18-D-401 Saltstone disposal unit #8/9	68,000	49,832	31,250	-18,582	-37.3%

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20-D-401 Saltstone Disposal Unit #10, 11, 12	19,500	37,668	56,250	+18,582	49.3%
Construction - Savannah River Sites	87,500	87,500	87,500	0	N/A
Savannah River Legacy Pensions	130,882	132,294	65,898	-66,396	-50.2%
Savannah River Sites	1,592,641	1,648,023	1,575,952	-72,071	-4.4%
Waste Isolation Pilot Plant (WIPP)	353,424	353,424	369,961	+16,537	4.7%
15-D-411 Safety Significant Confinement Ventilation System, WIPP	65,000	59,073	44,365	-14,708	-24.9%
15-D-412 Utility Shaft, WIPP	25,000	46,200	50,000	+3,800	8.2%
Construction - Waste Isolation Pilot Plant	90,000	105,273	94,365	-10,908	-10.4%
Total Waste Isolation Pilot Plant	443,424	458,697	464,326	+5,629	1.2%
Program Direction - Defense Environmental Cleanup	305,207	317,002	326,893	+9,891	3.1%
Program Support - Defense Environmental Cleanup	62,979	82,283	103,504	+21,221	25.8%
Safeguards and Security - Defense Environmental Cleanup	323,144	329,220	332,645	+3,425	1.0%
Technology Development and Deployment	30,000	40,000	30,000	-10,000	-25.0%
<b>Total, Defense Environmental Cleanup</b>	<b>6,710,000</b>	<b>7,025,000</b>	<b>7,073,587</b>	<b>+48,587</b>	<b>0.7%</b>
<b>Other Defense Activities</b>					
Program Direction - Environment, Health, Safety and Security	73,588	76,685	86,558	+9,873	12.9%
Environment, Health, Safety & Security	132,732	138,854	144,705	+5,851	4.2%
Environment, Health, Safety, and Security	206,320	215,539	231,263	+15,724	7.3%
Program Direction - Office of Enterprise Assessments	56,049	57,941	64,132	+6,191	10.7%
Enterprise Assessments	27,335	27,486	30,022	+2,536	9.2%
Office of Enterprise Assessments	83,384	85,427	94,154	+8,727	10.2%
Specialized Security Activities	328,500	335,000	345,330	+10,330	3.1%
Legacy Management Activities - Defense	158,797	168,926	173,681	+4,755	2.8%
Program Direction - Legacy Management	19,933	21,983	22,621	+638	2.9%
Legacy Management	178,730	190,909	196,302	+5,393	2.8%
Defense-Related Administrative Support	183,710	203,648	203,649	+1	0.0%
Office Of Hearings And Appeals	4,356	4,477	4,499	+22	0.5%
<b>Total, Other Defense Activities</b>	<b>985,000</b>	<b>1,035,000</b>	<b>1,075,197</b>	<b>+40,197</b>	<b>3.9%</b>
<b>Total, Power Marketing Administrations</b>					
<b>Southeastern Power Administration</b>					
Purchase Power and Wheeling - SEPA	66,353	92,687	86,019	-6,668	-7.2%
Program Direction - SEPA	7,284	8,273	8,449	+176	2.1%
Offsetting collections (for PD) - SEPA	-7,184	-8,173	-8,449	-276	-3.4%
Offsetting collections (for PPW) - SEPA	-53,000	-78,696	-71,850	+6,846	8.7%
Offsetting Collections - SEPA	-60,184	-86,869	-80,299	+6,570	7.6%
Less alternative financing (for PD) - SEPA	-100	-100	0	+100	100.0%
Less alternative financing (for PPW) - SEPA	-13,353	-13,991	-14,169	-178	-1.3%
Less alternative financing - SEPA	-13,453	-14,091	-14,169	-78	-0.6%
<b>Total, Southeastern Power Administration</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
<b>Southwestern Power Administration</b>					
Operation And Maintenance - SWPA	11,082	15,517	16,759	+1,242	8.0%
Construction - SWPA	15,901	16,035	13,806	-2,229	-13.9%
Purchase Power And Wheeling - SWPA	62,000	93,000	120,000	+27,000	29.0%
Program Direction - SWPA	36,833	38,250	39,172	+922	2.4%
Subtotal, SWPA	125,816	162,802	189,737	+26,935	16.5%
Offsetting Collections (for O&M) - SWPA	-4,395	-7,998	-8,884	-886	-11.1%
Offsetting Collections (for PD) - SWPA	-33,529	-34,882	-32,002	+2,880	8.3%
Offsetting Collections (for PPW) - SWPA	-39,000	-70,000	-80,000	-10,000	-14.3%
Offsetting Collections - SWPA	-76,924	-112,880	-120,886	-8,006	-7.1%
Less alternative financing (for O&M) - SWPA	-4,591	-5,279	-4,388	+891	16.9%
Less alternative financing (for Construction) - SWPA	-10,901	-11,035	-8,806	+2,229	20.2%
Less alternative financing (for PPW) - SWPA	-23,000	-23,000	-40,000	-17,000	-73.9%
Less alternative financing (for PD) - SWPA	0	0	-4,217	-4,217	N/A
Less alternative financing - SWPA	-38,492	-39,314	-57,411	-18,097	-46.0%
Less Southwestern Power Administration Fund - SWPA	0	0	0	0	N/A
Offset Funding	0	0	0	0	N/A
Unallocated Funds	0	0	0	0	N/A
<b>Total, Southwestern Power Administration</b>	<b>10,400</b>	<b>10,608</b>	<b>11,440</b>	<b>+832</b>	<b>7.8%</b>
<b>Western Area Power Administration</b>					
Operation And Maintenance - CROM	81,983	85,229	130,131	+44,902	52.7%
Construction And Rehabilitation - CROM	35,185	47,189	0	-47,189	-100.0%
Purchase Power And Wheeling - CROM	443,677	750,322	715,824	-34,498	-4.6%
Program Direction - CROM	267,246	277,287	295,039	+17,752	6.4%
Construction, Rehabilitation, Operation, and Maintenance (CROM) - WP	828,091	1,160,027	1,140,994	-19,033	-1.6%
Less alternative financing (for O&M) - CROM	-7,122	-7,641	-42,276	-34,635	-453.3%
Less alternative financing (for Construction) - CROM	-31,090	-38,219	0	+38,219	100.0%
Less alternative financing (for PPW) - CROM	-273,677	-275,322	-240,824	+34,498	12.5%
Less alternative financing (for PD) - CROM	-51,849	-54,868	-60,084	-5,216	-9.5%
Less alternative financing - CROM	-363,738	-376,050	-343,184	+32,866	8.7%
Purchase Power & Wheeling Financed from Offsetting (P.L. 108-447/109-103)	-170,000	-475,000	-475,000	0	N/A
Offsetting Collections - Colorado River Dam (P.L. 98-381)	-9,116	-9,404	-9,521	-117	-1.2%

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Offsetting Collections (for O&M) - CROM	-27,530	-29,180	-29,449	-269	-0.9%
Offsetting Collections (for PD) - CROM	-166,935	-171,661	-183,968	-12,307	-7.2%
Offsetting Collections - CROM	-373,581	-685,245	-697,938	-12,693	-1.9%
Rescission of Prior Year Balances - Western Area Power Administration	0	0	0	0	N/A
Unallocated Funds	0	0	0	0	N/A
<b>Total, Western Area Power Administration</b>	<b>90,772</b>	<b>98,732</b>	<b>99,872</b>	<b>+1,140</b>	<b>1.2%</b>
<b>Falcon and Amistad Operating and Maintenance Fund</b>					
Falcon And Amistad Operation And Maintenance	7,545	7,928	8,297	+369	4.7%
Offsetting Collections - Falcon and Amistad Fund	-5,580	-6,102	-3,197	+2,905	47.6%
Less alternative financing - Falcon and Amistad Fund	-1,737	-1,598	-1,872	-274	-17.1%
Use of Prior Year Balance Offset - Falcon & Amistad Operating & Maintenance	0	0	-3,000	-3,000	N/A
<b>Total, Falcon and Amistad Operating and Maintenance Fund</b>	<b>228</b>	<b>228</b>	<b>228</b>	<b>0</b>	<b>N/A</b>
<b>Colorado River Basins Power Marketing Fund</b>					
Program Direction - Colorado River Basins Fund	0	0	80,381	+80,381	N/A
Equipment, Contracts and Related Expenses - Colorado River Basins Fund	0	0	454,857	+454,857	N/A
Colorado River Basins Fund	0	0	535,238	+535,238	N/A
Offsetting collections - CRBPMF	0	0	-535,238	-535,238	N/A
<b>Total, Power Marketing Administration</b>	<b>101,400</b>	<b>109,568</b>	<b>111,540</b>	<b>+1,972</b>	<b>1.8%</b>
<b>Federal Energy Regulatory Commission</b>					
FERC Revenues	-466,426	0	-520,000	-520,000	N/A
Just and Reasonable Rates, Terms, and Conditions	466,426	0	232,093	+232,093	N/A
Safe, Reliable, Secure, & Efficient Infrastructure	0	0	174,913	+174,913	N/A
Mission Support through Organizational Excellence	0	0	112,994	+112,994	N/A
<b>Total, Federal Energy Regulatory Commission</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>N/A</b>
Excess Fees and Recoveries, FERC	-9,000	-9,000	-9,000	0	N/A
Title XVII Loan Guar. Prog Section 1703 Negative Credit Subsidy Receipt	-10,000	-14,000	-7,000	+7,000	50.0%
UED&D Fund Offset	-573,333	-586,035	-427,000	+159,035	27.1%
<b>Total DOE</b>	<b>44,261,291</b>	<b>45,765,324</b>	<b>51,999,588</b>	<b>+6,234,264</b>	<b>13.6%</b>
<b>Discretionary Summary by Appropriation</b>					
<b>Defense (050): NNSA</b>					
Weapons Activities	15,920,000	17,116,119	18,832,947	+1,716,828	10.0%
Defense Nuclear Nonproliferation	2,354,000	2,490,000	2,508,959	+18,959	0.8%
Naval Reactors <sup>(1)</sup>	1,918,000	2,081,445	1,964,100	-117,345	-5.6%
Federal Salaries and Expenses	464,000	475,000	538,994	+63,994	13.5%
National Nuclear Security Administration Offsets	-288,133	0	0	0	N/A
<b>Defense (050): Non-NNSA</b>					
Other Defense Activities	985,000	1,035,000	1,075,197	+40,197	3.9%
Defense Environmental Cleanup	6,710,000	7,025,000	7,073,587	+48,587	0.7%
Nuclear Energy (050)	149,800	150,000	177,733	+27,733	18.5%
Defense Uranium Enrichment D&D	573,333	586,035	427,000	-159,035	-27.1%
<b>Total Defense (050)</b>	<b>28,786,000</b>	<b>30,958,599</b>	<b>32,598,517</b>	<b>+1,639,918</b>	<b>5.3%</b>
<b>Non-Defense (Non-050): Science (250)</b>					
Science <sup>(2)</sup>	7,475,000	8,100,000	8,800,400	+700,400	8.6%
<b>Non-Defense (Non-050): Energy (270)</b>					
Energy Efficiency and Renewable Energy	3,200,000	3,460,000	3,826,116	+366,116	10.6%
Electricity	277,000	350,000	297,475	-52,525	-15.0%
Cybersecurity, Energy Security and Emergency Response	185,804	200,000	245,475	+45,475	22.7%
Nuclear Energy (270) <sup>(1), (2), (3)</sup>	1,505,000	1,623,000	1,384,887	-238,113	-14.7%
Fossil Energy and Carbon Management	825,000	890,000	905,475	+15,475	1.7%
Strategic Petroleum Reserve	219,000	207,175	280,969	+73,794	35.6%
Naval Petroleum and Oil Shale Reserves	13,650	13,004	13,010	+6	0.0%
SPR Petroleum Account	7,350	-2,051,900	0	+2,051,900	100.0%
Northeast Home Heating Oil Reserve	6,500	7,000	7,150	+150	2.1%
Uranium Enrichment Decontamination and Decommissioning (D&D)	860,000	879,052	857,482	-21,570	-2.5%
Energy Information Administration	129,087	135,000	156,550	+21,550	16.0%
Non-Defense Environmental Cleanup	333,863	358,583	348,700	-9,883	-2.8%
Advanced Research Projects Agency - Energy	450,000	470,000	650,200	+180,200	38.3%
Departmental Administration	240,000	283,000	433,475	+150,475	53.2%
Indian Energy Policy and Programs	58,000	75,000	110,050	+35,050	46.7%
Inspector General	78,000	86,000	165,161	+79,161	92.0%
Title 17 Innovative Technology Loan Guarantee Program	29,000	-135,794	-126,524	+9,270	6.8%
Advanced Technology Vehicles Manufacturing Loan Program	5,000	9,800	13,000	+3,200	32.7%
Tribal Energy Loan Guarantee Program	2,000	4,000	6,300	+2,300	57.5%
Southwestern Power Administration	10,400	10,608	11,440	+832	7.8%
Western Area Power Administration	90,772	98,732	99,872	+1,140	1.2%
Falcon and Amistad Operating and Maintenance Fund	228	228	228	0	N/A
Office of Technology Transitions (OTT)	19,470	22,098	56,550	+34,452	155.9%
Office of Clean Energy Demonstrations	20,000	89,000	215,300	+126,300	141.9%
Nuclear Waste Fund Oversight	27,500	10,205	12,040	+1,835	18.0%
Departmental Offsets	-592,333	-609,035	-443,000	+166,035	27.3%

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FY 2024  
(Dollars in Thousands)

	FY 2022 Enacted <sup>(1)</sup>	FY 2023 Enacted <sup>(1), (2), (3)</sup>	FY 2024 Presidents Budget	FY 2024 Presidents Budget vs. FY 2023 Enacted	
				\$	%
				Federal Energy Management Program(FEMP)	0
Grid Deployment Office	0	0	106,600	+106,600	N/A
Office of Manufacturing & Energy Supply Chains (MESCC)	0	0	179,490	+179,490	N/A
Office of State and Community Programs (SCEP)	0	0	705,000	+705,000	N/A
Energy Projects	0	221,969	0	-221,969	-100.0%
<b>Non-Defense (Non-050)</b>	<b>15,475,291</b>	<b>14,806,725</b>	<b>19,401,071</b>	<b>+4,594,346</b>	<b>31.0%</b>
<b>Total DOE</b>	<b>44,261,291</b>	<b>45,765,324</b>	<b>51,999,588</b>	<b>+6,234,264</b>	<b>13.6%</b>

<sup>(1)</sup> Funding does not reflect the mandated transfer of \$92.75 million in FY 2022 and \$99.75 million in FY 2023 from Naval Reactors to the Office of Nuclear Energy for operation of the Advanced Test Reactor.

<sup>(2)</sup> Funding does not reflect the mandated transfer of \$20 million from the Office of Nuclear Energy to the Office of Science for Nuclear Facilities Oak Ridge National Laboratory Operations and Maintenance.

<sup>(3)</sup> FY 2023 Enacted levels for base funding includes \$300 million for the Office of Nuclear Energy that was enacted in Division M, Additional Ukraine Supplemental Appropriations, of the Consolidated Appropriations Act, 2023 (P.L. 117-328). This funding is a part of the total \$12.5 billion governmentwide originally intended to be base appropriations that was designated as emergency requirements for purposes of the 2023 Omnibus agreement.