

**DEPARTMENT OF ENERGY**  
**Comparative Appropriation by Congressional Control**  
**Compare FY 2023 Presidents Budget vs. FY 2022 Enacted**  
**FY 2023**

(Dollars in Thousands)

FY 2021 Enacted Final	FY 2022 Enacted Final	FY 2023 Presidents Budget Requested Total	FY 2023 Presidents Budget vs. FY 2022 Enacted	
			\$	%

**Discretionary Detail by Appropriation**

**Energy Efficiency and Renewable Energy**

Vehicle Technologies	400,000	420,000	602,731	+182,731	+43.51%
Bioenergy Technologies	255,000	262,000	340,000	+78,000	+29.77%
Hydrogen and Fuel Cells Technologies	150,000	157,500	186,000	+28,500	+18.10%
Sustainable Transportation	805,000	839,500	1,128,731	+289,231	+34.45%
Renewable Energy Grid Integration	0	40,000	57,730	+17,730	+44.33%
Solar Energy Technologies	280,000	290,000	534,575	+244,575	+84.34%
Wind Energy Technologies	110,000	114,000	345,390	+231,390	+202.97%
Water Power Technologies	150,000	162,000	190,500	+28,500	+17.59%
Geothermal Technologies	106,000	109,500	202,000	+92,500	+84.47%
Renewable Power	646,000	715,500	1,330,195	+614,695	+85.91%
Advanced Manufacturing	396,000	416,000	582,500	+166,500	+40.02%
Building Technologies	290,000	307,500	392,000	+84,500	+27.48%
Federal Energy Management Program (EERE)	40,000	40,000	0	-40,000	-100.00%
Weatherization Assistance Program (EERE)	310,000	313,000	0	-313,000	-100.00%
Training and Technical Assistance (EERE)	5,000	6,000	0	-6,000	-100.00%
Weatherization Readiness	0	15,000	0	-15,000	-100.00%
State Energy Program Grants (EERE)	62,500	63,000	0	-63,000	-100.00%
Local Government Energy Program	0	10,000	0	-10,000	-100.00%
Energy Future Grants (EERE)	0	20,000	0	-20,000	-100.00%
Weatherization and Intergovernmental Programs	377,500	427,000	0	-427,000	-100.00%
Energy Efficiency	1,103,500	1,190,500	974,500	-216,000	-18.14%
Congressional Directed Spending - EERE	0	77,047	0	-77,047	-100.00%
Program Direction - Energy Efficiency and Renewable Energy	165,000	209,453	224,474	+15,021	+7.17%
Strategic Programs	14,500	20,000	59,385	+39,385	+196.93%
Facilities and Infrastructure - NREL	130,000	140,000	179,600	+39,600	+28.29%
21-EE-001, Energy Materials Processing at Scale (EMAPS)	0	8,000	60,000	+52,000	+650.00%
23-TBD, South Table Mountain (STM) Carbon Free District Heating/Cooling	0	0	62,000	+62,000	N/A
Facilities and Infrastructure	130,000	148,000	301,600	+153,600	+103.78%
Corporate Support	309,500	377,453	585,459	+208,006	+55.11%
Rescission of Prior Year Balances	-2,240	0	0	+0	N/A
<b>Total, Energy Efficiency and Renewable Energy</b>	<b>2,861,760</b>	<b>3,200,000</b>	<b>4,018,885</b>	<b>+818,885</b>	<b>+25.59%</b>

**Electricity**

Transmission Reliability and Resilience	48,220	26,000	37,300	+11,300	+43.46%
Energy Delivery Grid Operations Technology	0	23,000	39,000	+16,000	+69.57%
Resilient Distribution Systems	50,000	55,000	50,000	-5,000	-9.09%
Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	11,150	20,000	+8,850	+79.37%
Energy Storage R&D	57,000	73,000	81,000	+8,000	+10.96%
20-OE-100 Grid Storage Launchpad	23,000	47,000	0	-47,000	-100.00%
Construction - Energy Storage	23,000	47,000	0	-47,000	-100.00%
Energy Storage	80,000	120,000	81,000	-39,000	-32.50%
Transformer Resilience and Advanced Components	7,500	11,000	22,500	+11,500	+104.55%
Applied Grid Transformation Solutions	0	0	30,000	+30,000	N/A
DCEI Energy Mission Assurance	1,000	0	0	+0	N/A
Transmission Permitting and Technical Assistance	7,000	8,000	0	-8,000	-100.00%
Congressional Directed Spending - Electricity	0	2,850	0	-2,850	-100.00%
Program Direction - Electricity	18,000	20,000	17,586	-2,414	-12.07%
<b>Total, Electricity</b>	<b>211,720</b>	<b>277,000</b>	<b>297,386</b>	<b>+20,386</b>	<b>+7.36%</b>

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

**Cybersecurity, Energy Security and Emergency Response**

Cybersecurity for Energy Delivery Systems	96,000	0	0	+0	N/A
Infrastructure Security and Energy Restoration	48,000	0	0	+0	N/A
Risk Management Technology and Tools	0	129,804	125,020	-4,784	-3.69%
Response and Restoration	0	18,000	24,000	+6,000	+33.33%
Information Sharing, Partnerships and Exercises	0	19,000	28,000	+9,000	+47.37%
Program Direction - CESER	12,000	16,000	25,123	+9,123	+57.02%
<b>Total, Cybersecurity, Energy Security and Emergency Response</b>	<b>156,000</b>	<b>185,804</b>	<b>202,143</b>	<b>+16,339</b>	<b>+8.79%</b>

**Strategic Petroleum Reserve**

Facilities Development and Operations	160,949	0	164,818	+164,818	N/A
Management for SPR Operations	27,051	0	27,642	+27,642	N/A
Northeast Gasoline Supply Reserve	0	219,000	21,715	-197,285	-90.08%

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	Final	Final	Requested Total	\$	%
<b>Total, Strategic Petroleum Reserve</b>	<b>188,000</b>	<b>219,000</b>	<b>214,175</b>	<b>-4,825</b>	<b>-2.20%</b>
<b>Naval Petroleum and Oil Shale Reserves</b>					
Naval Petroleum and Oil Shale Reserve	13,006	0	13,004	+13,004	N/A
Naval Petroleum Production Operations	0	11,650	0	-11,650	-100.00%
Management	0	2,000	0	-2,000	-100.00%
<b>Total, Naval Petroleum and Oil Shale Reserves</b>	<b>13,006</b>	<b>13,650</b>	<b>13,004</b>	<b>-646</b>	<b>-4.73%</b>
<b>SPR Petroleum Account</b>					
SPR - Petroleum Account	1,000	7,350	8,000	+650	+8.84%
<b>Total, SPR Petroleum Account</b>	<b>1,000</b>	<b>7,350</b>	<b>8,000</b>	<b>+650</b>	<b>+8.84%</b>
<b>Northeast Home Heating Oil Reserve</b>					
Northeast Home Heating Oil Reserves	6,500	6,500	7,000	+500	+7.69%
<b>Total, Northeast Home Heating Oil Reserve</b>	<b>6,500</b>	<b>6,500</b>	<b>7,000</b>	<b>+500</b>	<b>+7.69%</b>
<b>Total, Cybersecurity, Energy Security, and Emergency Response</b>	<b>364,506</b>	<b>432,304</b>	<b>444,322</b>	<b>+12,018</b>	<b>+2.78%</b>
<b>Nuclear Energy</b>					
SBIR/STTR	0	0	25,679	+25,679	N/A
Technology Commercialization Fund	0	0	6,692	+6,692	N/A
University Led Research & Development	0	0	59,658	+59,658	N/A
University Infrastructure	0	0	45,000	+45,000	N/A
University Scholarships and Fellowships	0	0	6,500	+6,500	N/A
University Fuel Services (RRI)	0	0	17,500	+17,500	N/A
Integrated University Program	5,000	6,000	0	-6,000	-100.00%
STEP R&D	5,000	0	0	+0	N/A
Advanced SMR R&D	115,000	150,000	40,000	-110,000	-73.33%
LWR Sustainability	47,000	48,000	45,000	-3,000	-6.25%
Advanced Reactor Technologies	46,000	59,000	50,000	-9,000	-15.25%
Reactor Concepts RD&D	208,000	257,000	135,000	-122,000	-47.47%
Mining, Conversion, and Transportation	2,000	2,000	1,500	-500	-25.00%
Civilian Nuclear Enrichment	40,000	0	0	+0	N/A
Materials Recovery and Waste Form Development	25,000	30,000	38,000	+8,000	+26.67%
Accident Tolerant Fuels	105,800	115,000	113,900	-1,100	-0.96%
Triso Fuel and Graphite Qualification	36,000	37,000	27,000	-10,000	-27.03%
Fuel Cycle Laboratory R&D	20,000	0	46,500	+46,500	N/A
HALEU Availability	0	45,000	95,000	+50,000	+111.11%
Used Nuclear Fuel Disposition R&D	62,500	50,000	46,875	-3,125	-6.25%
Integrated Waste Management System	18,000	18,000	53,000	+35,000	+194.44%
Fuel Cycle R&D	0	23,150	0	-23,150	-100.00%
Fuel Cycle Research & Development	309,300	320,150	421,775	+101,625	+31.74%
Crosscutting Technology Development	28,000	29,000	35,250	+6,250	+21.55%
NEAMS Joint Modeling and Simulation Program	0	30,000	0	-30,000	-100.00%
Joint Modeling and Simulation Program	35,000	0	28,327	+28,327	N/A
Nuclear Science User Facilities	30,000	33,000	39,160	+6,160	+18.67%
Transformational Challenge Reactor	29,869	25,000	0	-25,000	-100.00%
Nuclear Energy Enabling Technologies	122,869	117,000	102,737	-14,263	-12.19%
National Reactor Innovation Center	30,000	55,000	75,000	+20,000	+36.36%
Demonstration 1 (X-Energy)	80,000	30,000	0	-30,000	-100.00%
Demonstration 2 (Sodium)	80,000	30,000	0	-30,000	-100.00%
Risk Reduction for Future Demonstration	40,000	115,000	140,238	+25,238	+21.95%
Regulatory Development	15,000	15,000	10,250	-4,750	-31.67%
Advanced Reactors Safeguards	5,000	5,000	4,750	-250	-5.00%
Advanced Reactors Demonstration Program	250,000	250,000	230,238	-19,762	-7.90%
Other Project Costs	43,000	0	45,000	+45,000	N/A
21-E-200, Versatile Test Reactor	2,000	0	0	+0	N/A
Versatile Advanced Test Reactor R&D	45,000	0	45,000	+45,000	N/A
ORNL Nuclear Facilities O&M	20,000	20,000	0	-20,000	-100.00%
INL Facilities Operations and Maintenance	280,000	295,000	326,924	+31,924	+10.82%
16-E-200 Sample Preparation Laboratory	26,000	41,850	7,300	-34,550	-82.56%
Research Reactor Infrastructure	11,500	15,000	0	-15,000	-100.00%
Infrastructure	337,500	371,850	334,224	-37,626	-10.12%
Idaho Site-wide Safeguards & Security (050)	149,800	149,800	156,600	+6,800	+4.54%
International Nuclear Energy Cooperation	0	3,000	3,000	+0	+0.00%
Program Direction - Nuclear Energy	75,131	80,000	85,457	+5,457	+6.82%
NEUP, SBIR/STTR, and TCF	0	100,000	0	-100,000	-100.00%
<b>Total, Nuclear Energy</b>	<b>1,507,600</b>	<b>1,654,800</b>	<b>1,675,060</b>	<b>+20,260</b>	<b>+1.22%</b>

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**Fossil Energy and Carbon Management**

Carbon Capture	126,300	99,000	163,000	+64,000	+64.65%
Carbon Utilization	23,000	29,000	50,000	+21,000	+72.41%
Carbon Storage	79,000	97,000	122,000	+25,000	+25.77%
STEP Supercritical CO2	14,500	15,000	0	-15,000	-100.00%
Transformational Coal Pilots	10,000	0	0	+0	N/A
CCS and Power Systems	252,800	240,000	335,000	+95,000	+39.58%
Advanced Energy Systems	122,000	94,000	66,869	-27,131	-28.86%
Cross Cutting Research	72,000	33,000	31,000	-2,000	-6.06%
Advanced Coal Energy Systems & CCUS	194,000	127,000	97,869	-29,131	-22.94%
Mineral Sustainability	0	53,000	44,000	-9,000	-16.98%
Carbon Dioxide Removal	0	49,000	65,000	+16,000	+32.65%
Special Recruitment Programs	700	1,001	1,000	-1	-0.10%
Advanced Oil and Gas Prod Tech (Unconv FE)	46,000	0	0	+0	N/A
Natural Gas Technologies Research	57,000	0	0	+0	N/A
NETL Research and Operations - Fossil Energy	83,000	83,000	83,000	+0	+0.00%
NETL Interagency Working Group	0	0	3,000	+3,000	N/A
NETL Infrastructure - Fossil Energy	55,000	75,000	55,000	-20,000	-26.67%
Program Direction - Fossil Energy Field	61,500	0	70,291	+70,291	N/A
Program Direction - Fossil Energy	0	66,800	0	-66,800	-100.00%
Resource Technologies and Sustainability	0	110,000	139,000	+29,000	+26.36%
Congressional Directed Spending - Fossil Energy	0	20,199	0	-20,199	-100.00%
<b>Total, Fossil Energy and Carbon Management</b>	<b>750,000</b>	<b>825,000</b>	<b>893,160</b>	<b>+68,160</b>	<b>+8.26%</b>

**Uranium Enrichment Decontamination and Decommissioning (D&D)**

Oak Ridge Reservation (D&D Fund)	134,701	105,000	92,946	-12,054	-11.48%
Paducah Gaseous Diffusion Plant (D&D Fund)	240,000	240,000	199,269	-40,731	-16.97%
Portsmouth Gaseous Diffusion Plant (D&D Fund)	367,193	392,911	432,354	+39,443	+10.04%
20-U-401 On-site Waste Disposal Facility	16,500	65,235	48,040	-17,195	-26.36%
15-U-408 On-Site Waste Disposal Facility, Portsmouth	46,639	8,900	0	-8,900	-100.00%
Construction - Uranium D&D Fund	63,139	74,135	48,040	-26,095	-35.20%
Pension and Community and Regulatory Support	30,967	31,799	25,412	-6,387	-20.09%
Uranium Enrichment D&D Fund-U Th Reimbursements	5,000	16,155	24,400	+8,245	+51.04%
<b>Total, Uranium Enrichment Decontamination and Decommissioning (D&amp;D)</b>	<b>841,000</b>	<b>860,000</b>	<b>822,421</b>	<b>-37,579</b>	<b>-4.37%</b>

**Defense Uranium Enrichment D&D**

Defense Uranium Enrichment D&D Program	0	573,333	0	-573,333	-100.00%
<b>Total, Defense Uranium Enrichment D&amp;D</b>	<b>0</b>	<b>573,333</b>	<b>0</b>	<b>-573,333</b>	<b>-100.00%</b>

**Energy Information Administration**

Energy Information Administration (EIA)	126,800	129,087	144,480	+15,393	+11.92%
<b>Total, Energy Information Administration</b>	<b>126,800</b>	<b>129,087</b>	<b>144,480</b>	<b>+15,393</b>	<b>+11.92%</b>

**Non-Defense Environmental Cleanup**

Fast Flux Test Reactor Facility (WA)	2,500	3,100	3,200	+100	+3.23%
Gaseous Diffusion Plants	115,554	121,203	123,438	+2,235	+1.84%
Small Sites - NDEC	110,933	119,340	104,629	-14,711	-12.33%
West Valley Demonstration Project - NDEC	88,113	88,120	89,882	+1,762	+2.00%
Management and Storage of Elemental Mercury	2,100	2,100	2,100	+0	+0.00%
Mercury Receipts	3,000	0	3,000	+3,000	N/A
Use of Mercury Receipts	-3,000	0	-3,000	-3,000	N/A
<b>Total, Non-Defense Environmental Cleanup</b>	<b>319,200</b>	<b>333,863</b>	<b>323,249</b>	<b>-10,614</b>	<b>-3.18%</b>

**Science**

Research - Advanced Scientific Computing Research	846,055	906,000	991,741	+85,741	+9.46%
17-SC-20, SC Exascale Computing Project (ECP)	168,945	129,000	77,000	-52,000	-40.31%
Advanced Scientific Computing Research	1,015,000	1,035,000	1,068,741	+33,741	+3.26%
Research - Basic Energy Sciences	1,856,000	2,003,800	2,127,239	+123,439	+6.16%
21-SC-10, Cryomodule Repair and Maintenance Facility, SLAC	1,000	1,000	10,000	+9,000	+900.00%
19-SC-14, Second Target Station (STS), ORNL	29,000	32,000	32,000	+0	+0.00%
18-SC-10, Advanced Photon Source Upgrade (APS-U), ANL	160,000	101,000	9,200	-91,800	-90.89%
18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL	52,000	17,000	17,000	+0	+0.00%
18-SC-12, Advanced Light Source Upgrade (ALS-U), LBNL	62,000	75,100	135,000	+59,900	+79.76%
18-SC-13, Linac Coherent Light Source-II-High Energy (LCLS-II-HE), SLAC	52,000	50,000	90,000	+40,000	+80.00%

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13-SC-10, Linac Coherent Light Source-II (LCLS-II), SLAC	33,000	28,100	0	-28,100	-100.00%
Construction - Basic Energy Sciences	389,000	304,200	293,200	-11,000	-3.62%
<b>Basic Energy Sciences</b>	<b>2,245,000</b>	<b>2,308,000</b>	<b>2,420,439</b>	<b>+112,439</b>	<b>+4.87%</b>
Research - Biological & Environmental Research	753,000	815,000	903,685	+88,685	+10.88%
Biological and Environmental Research	753,000	815,000	903,685	+88,685	+10.88%
Research - Fusion Energy Sciences	415,000	460,000	482,222	+22,222	+4.83%
20-SC-61, Matter in Extreme Conditions (MEC) Petawatt Upgrade, SLAC	15,000	11,000	1,000	-10,000	-90.91%
14-SC-60, U.S. Contributions to ITER (U.S. ITER)	242,000	242,000	240,000	-2,000	-0.83%
Construction - Fusion Energy Sciences	257,000	253,000	241,000	-12,000	-4.74%
Fusion Energy Sciences	672,000	713,000	723,222	+10,222	+1.43%
Research - High Energy Physics	794,000	810,000	824,020	+14,020	+1.73%
18-SC-42, Proton Improvement Plan II (PIP-II), FNAL	79,000	90,000	120,000	+30,000	+33.33%
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	171,000	176,000	176,000	+0	+0.00%
11-SC-41, Muon to Electron Conversion Experiment, FNAL	2,000	2,000	2,000	+0	+0.00%
Construction - High Energy Physics	252,000	268,000	298,000	+30,000	+11.19%
High Energy Physics	1,046,000	1,078,000	1,122,020	+44,020	+4.08%
Operations and Maintenance - Nuclear Physics	690,700	708,000	719,196	+11,196	+1.58%
20-SC-51, U.S. Stable Isotope Production and Research Center, (SIPRC)	12,000	0	0	+0	N/A
20-SC-52, Electron Ion Collider, BNL	5,000	20,000	20,000	+0	+0.00%
14-SC-50, Facility for Rare Isotope Beams, MSU	5,300	0	0	+0	N/A
Construction - Nuclear Physics	22,300	20,000	20,000	+0	+0.00%
Nuclear Physics	713,000	728,000	739,196	+11,196	+1.54%
Research - Isotope R&D and Production	0	70,000	85,451	+15,451	+22.07%
20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL	0	12,000	12,000	+0	+0.00%
Construction - Isotope R&D and Production	0	12,000	12,000	+0	+0.00%
Isotope R&D and Production	0	82,000	97,451	+15,451	+18.84%
Research - Accelerator R&D and Production	0	18,000	27,436	+9,436	+52.42%
Accelerator R&D and Production	0	18,000	27,436	+9,436	+52.42%
Workforce Development for Teachers & Scientists	29,000	35,000	41,300	+6,300	+18.00%
Payment In Lieu of Taxes	4,650	4,820	4,891	+71	+1.47%
Oak Ridge Landlord	5,860	6,430	6,559	+129	+2.01%
Oak Ridge Nuclear Operations	26,000	26,000	20,000	-6,000	-23.08%
Facilities and Infrastructure (SLI)	29,790	14,450	15,200	+750	+5.19%
22-SC-71, Critical Infrastructure Modernization Project (CIMP), ORNL	0	1,000	0	-1,000	-100.00%
22-SC-72, Infrastructure Improvements (TJII), TJNAF	0	1,000	0	-1,000	-100.00%
21-SC-71, Princeton Plasma Innovation Center, PPPL	150	7,750	10,000	+2,250	+29.03%
21-SC-72, Critical Infrastructure Recovery & Renewal, PPPL	150	2,000	4,000	+2,000	+100.00%
21-SC-73, Ames Infrastructure Modernization	150	2,000	0	-2,000	-100.00%
20-SC-71, Critical Utilities Rehabilitation Project, BNL	20,000	26,000	13,000	-13,000	-50.00%
20-SC-72, Seismic and Safety Modernization, LBNL	5,000	18,000	27,500	+9,500	+52.78%
20-SC-73, CEBAF Renovation and Expansion, TJNAF (19-SC-73)	2,000	10,000	2,000	-8,000	-80.00%
20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74)	25,000	0	0	+0	N/A
20-SC-75, Large Scale Collaboration Center, SLAC (19-SC-75)	11,000	21,000	30,000	+9,000	+42.86%
20-SC-76, Tritium System Demolition and Disposal, PPPL (20-SC-78)	13,000	6,400	0	-6,400	-100.00%
20-SC-77, Argonne Utilities Upgrade, ANL (20-SC-79)	500	10,000	8,000	-2,000	-20.00%
20-SC-78, Linear Assets Modernization Project, LBNL (20-SC-80)	500	10,400	23,425	+13,025	+125.24%
20-SC-79, Critical Utilities Infrastructure Revitalization, SLAC (20-SC-81)	500	8,500	25,425	+16,925	+199.12%
20-SC-80, Utilities Infrastructure Project, FNAL (20-SC-82)	500	10,500	20,000	+9,500	+90.48%
19-SC-71, Science User Support Center, BNL	20,000	38,000	0	-38,000	-100.00%
19-SC-73, Translational Research Capability, ORNL	22,000	21,500	0	-21,500	-100.00%
19-SC-74, Biological & Environmental Program Integration Center (BioEPIC), LBNL	20,000	35,000	45,000	+10,000	+28.57%
18-SC-71, Energy Sciences Capability, PNNL	23,000	0	0	+0	N/A
17-SC-71, Integrated Engineering Research Center, FNAL	10,250	10,250	0	-10,250	-100.00%
Construction - Science Laboratories Infrastructure	173,700	239,300	208,350	-30,950	-12.93%
Science Laboratories Infrastructure	240,000	291,000	255,000	-36,000	-12.37%
Safeguards and Security - SC	121,000	170,000	189,510	+19,510	+11.48%
Program Direction - SC	192,000	202,000	211,211	+9,211	+4.56%
<b>Total, Science</b>	<b>7,026,000</b>	<b>7,475,000</b>	<b>7,799,211</b>	<b>+324,211</b>	<b>+4.34%</b>
<b>Office of Technology Transitions (OTT)</b>					
Technology Transitions Program Office	0	11,095	8,375	-2,720	-24.52%
Office of Technology Transitions Program Direction	0	8,375	13,183	+4,808	+57.41%
<b>Total, Office of Technology Transitions (OTT)</b>	<b>0</b>	<b>19,470</b>	<b>21,558</b>	<b>+2,088</b>	<b>+10.72%</b>
<b>Office of Clean Energy Demonstrations</b>					

**DEPARTMENT OF ENERGY**  
**Comparative Appropriation by Congressional Control**  
**Compare FY 2023 Presidents Budget vs. FY 2022 Enacted**  
**FY 2023**

(Dollars in Thousands)

	FY 2021	FY 2022	FY 2023	FY 2023 Presidents Budget vs. FY 2022	
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Program Direction - OCED	0	8,000	25,000	+17,000	+212.50%
Clean Energy Demonstrations	0	12,000	189,052	+177,052	+1,475.43%
<b>Total, Office of Clean Energy Demonstrations</b>	<b>0</b>	<b>20,000</b>	<b>214,052</b>	<b>+194,052</b>	<b>+970.26%</b>
<b>Federal Energy Management Program (FEMP)</b>					
Federal Energy Management Program	0	0	38,150	+38,150	N/A
Federal Energy Efficiency Fund	0	0	60,000	+60,000	N/A
Net Zero Lab Initiative Program	0	0	57,000	+57,000	N/A
Program Direction - FEMP	0	0	14,511	+14,511	N/A
<b>Total, Federal Energy Management Program (FEMP)</b>	<b>0</b>	<b>0</b>	<b>169,661</b>	<b>+169,661</b>	<b>N/A</b>
<b>Grid Deployment Office</b>					
Grid Planning & Development	0	0	16,200	+16,200	N/A
Grid Technical Assistance	0	0	29,500	+29,500	N/A
Wholesale Electricity Market TA & Grants	0	0	19,000	+19,000	N/A
Interregional & Offshore Transmission Planning	0	0	20,000	+20,000	N/A
Program Direction - Grid Deployment Office	0	0	5,521	+5,521	N/A
<b>Total, Grid Deployment Office</b>	<b>0</b>	<b>0</b>	<b>90,221</b>	<b>+90,221</b>	<b>N/A</b>
<b>Office of Manufacturing &amp; Energy Supply Chains (MESC)</b>					
Facility and Workforce Assistance	0	0	18,000	+18,000	N/A
Energy Sector Industrial Base	0	0	3,000	+3,000	N/A
Program Direction - MESC	0	0	6,424	+6,424	N/A
<b>Total, Office of Manufacturing &amp; Energy Supply Chains (MESC)</b>	<b>0</b>	<b>0</b>	<b>27,424</b>	<b>+27,424</b>	<b>N/A</b>
<b>Office of State and Community Programs (SCEP)</b>					
Weatherization Assistance Program (SCEP)	0	0	502,170	+502,170	N/A
State Energy Program Grants (SCEP)	0	0	70,000	+70,000	N/A
Energy Future Grants (SCEP)	0	0	105,000	+105,000	N/A
Community Programs	0	0	25,000	+25,000	N/A
Program Direction - SCEP	0	0	24,727	+24,727	N/A
<b>Total, Office of State and Community Programs (SCEP)</b>	<b>0</b>	<b>0</b>	<b>726,897</b>	<b>+726,897</b>	<b>N/A</b>
<b>Advanced Research Projects Agency - Energy</b>					
ARPA-E Projects	392,000	414,000	643,000	+229,000	+55.31%
Program Direction - ARPA-E	35,000	36,000	57,150	+21,150	+58.75%
<b>Total, Advanced Research Projects Agency - Energy</b>	<b>427,000</b>	<b>450,000</b>	<b>700,150</b>	<b>+250,150</b>	<b>+55.59%</b>
<b>Nuclear Waste Fund Oversight</b>					
Interim Storage	20,000	20,000	10,205	-9,795	-48.98%
Oversight Activities Nuclear Waste Disposal	7,500	7,500	0	-7,500	-100.00%
<b>Total, Nuclear Waste Fund Oversight</b>	<b>27,500</b>	<b>27,500</b>	<b>10,205</b>	<b>-17,295</b>	<b>-62.89%</b>
<b>Departmental Administration</b>					
Office of the Secretary	5,582	5,582	6,642	+1,060	+18.99%
Congressional & Intergovernmental Affairs	5,000	6,000	7,142	+1,142	+19.03%
Office of the Chief Financial Officer	53,590	56,591	62,283	+5,692	+10.06%
Economic Impact & Diversity	10,169	20,000	34,140	+14,140	+70.70%
Office of International Affairs	26,825	28,000	62,141	+34,141	+121.93%
Chief Information Officer	140,200	197,000	233,731	+36,731	+18.65%
Artificial Intelligence and Technology Office	2,500	1,000	2,608	+1,608	+160.80%
Other Departmental Administration	141,662	170,115	219,789	+49,674	+29.20%
Strategic Partnership Projects	40,000	40,000	40,000	+0	+0.00%
Miscellaneous Revenues	-93,378	-100,578	-100,578	+0	+0.00%
Strategic Partnership Projects and Revenues	-53,378	-60,578	-60,578	+0	+0.00%
Defense-Related Administrative Support	-183,789	-183,710	-170,695	+13,015	-7.08%
Office of Technology Transitions (DA)	17,639	0	0	+0	N/A
<b>Total, Departmental Administration</b>	<b>166,000</b>	<b>240,000</b>	<b>397,203</b>	<b>+157,203</b>	<b>+65.50%</b>
<b>Indian Energy Policy and Programs</b>					
Indian Energy Policy & Programs	17,000	52,477	129,736	+77,259	+147.22%
Program Direction - Indian Energy Program	5,000	5,523	20,303	+14,780	+267.61%
<b>Total, Indian Energy Policy and Programs</b>	<b>22,000</b>	<b>58,000</b>	<b>150,039</b>	<b>+92,039</b>	<b>+158.69%</b>
<b>Inspector General</b>					

**DEPARTMENT OF ENERGY**  
**Comparative Appropriation by Congressional Control**  
**Compare FY 2023 Presidents Budget vs. FY 2022 Enacted**  
**FY 2023**

(Dollars in Thousands)

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Program Direction - Office of Inspector General	57,739	78,000	106,808	+28,808	+36.93%
<b>Total, Inspector General</b>	<b>57,739</b>	<b>78,000</b>	<b>106,808</b>	<b>+28,808</b>	<b>+36.93%</b>
<b>Credit Programs</b>					
<b>Title 17 Innovative Technology Loan Guarantee Program</b>					
Loan Guarantee Program	32,000	32,000	0	-32,000	-100.00%
Administrative Expenses	0	0	66,206	+66,206	N/A
Title XVII Loan Guarantee Credit Subsidy	0	0	150,000	+150,000	N/A
Offsetting Collections - Title 17 Innovative Technology Loan Guarantee Program	-3,000	-3,000	-48,000	-45,000	+1,500.00%
<b>Total, Title 17 Innovative Technology Loan Guarantee Program</b>	<b>29,000</b>	<b>29,000</b>	<b>168,206</b>	<b>+139,206</b>	<b>+480.02%</b>
<b>Advanced Technology Vehicles Manufacturing Loan Program</b>					
Administrative Expenses	0	5,000	9,800	+4,800	+96.00%
Advanced Technology Vehicle Manufacturing Loan Program	5,000	0	0	+0	N/A
<b>Total, Advanced Technology Vehicles Manufacturing Loan Program</b>	<b>5,000</b>	<b>5,000</b>	<b>9,800</b>	<b>+4,800</b>	<b>+96.00%</b>
<b>Tribal Energy Loan Guarantee Program</b>					
Administrative Expenses - Tribal Energy Loan Guarantee Program	2,000	2,000	1,860	-140	-7.00%
<b>Total, Tribal Energy Loan Guarantee Program</b>	<b>2,000</b>	<b>2,000</b>	<b>1,860</b>	<b>-140</b>	<b>-7.00%</b>
<b>Total, Credit Programs</b>	<b>36,000</b>	<b>36,000</b>	<b>179,866</b>	<b>+143,866</b>	<b>+399.63%</b>
<b>Total, National Nuclear Security Administration</b>					
<b>Weapons Activities</b>					
B61-12 LEP	815,710	771,664	672,019	-99,645	-12.91%
W88 ALT 370	256,922	207,157	162,057	-45,100	-21.77%
W80-4 LEP	1,000,314	1,080,400	1,122,451	+42,051	+3.89%
W80-4 ALT-SLCM	0	10,000	0	-10,000	-100.00%
W87-1 Modification Program	541,000	691,031	680,127	-10,904	-1.58%
W93 Program	53,000	72,000	240,509	+168,509	+234.04%
Stockpile Major Modernization	2,666,946	2,832,252	2,877,163	+44,911	+1.59%
Stockpile Sustainment	998,357	1,180,483	1,321,139	+140,656	+11.92%
Weapons Dismantlement and Disposition	56,000	56,000	50,966	-5,034	-8.99%
Production Operations	568,941	568,941	630,894	+61,953	+10.89%
Nuclear Enterprise Assurance	0	0	48,911	+48,911	N/A
Stockpile Management	4,290,244	4,637,676	4,929,073	+291,397	+6.28%
Los Alamos Plutonium Operations	610,599	0	767,412	+767,412	N/A
Plutonium Sustainment	0	660,419	0	-660,419	-100.00%
Plutonium Pit Production Project	0	350,000	0	-350,000	-100.00%
21-D-512, Plutonium Pit Production Project, LANL	226,000	0	588,234	+588,234	N/A
15-D-302, TA-55 Reinvestments Project, Phase 3, LANL	30,000	27,000	30,002	+3,002	+11.12%
07-D-220-04, Transuranic Liquid Waste Facility, LANL	36,687	30,000	24,759	-5,241	-17.47%
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL	169,427	138,123	162,012	+23,889	+17.30%
Los Alamos Plutonium Modernization	1,072,713	1,205,542	1,572,419	+366,877	+30.43%
Savannah River Plutonium Operations	200,000	128,000	58,300	-69,700	-54.45%
21-D-511, Savannah River Plutonium Processing Facility, SRS	241,896	475,000	700,000	+225,000	+47.37%
Savannah River Plutonium Modernization	441,896	603,000	758,300	+155,300	+25.75%
Enterprise Plutonium Support	90,782	107,098	88,993	-18,105	-16.91%
Plutonium Modernization	1,605,391	1,915,640	2,419,712	+504,072	+26.31%
High Explosives & Energetics	63,620	68,785	101,380	+32,595	+47.39%
HESE OPCs	3,750	0	0	+0	N/A
23-D-516, Energetic Materials Characterization Facility, LANL	0	0	19,000	+19,000	N/A
21-D-510, HE Synthesis, Formulation, and Production, PX	31,000	44,500	108,000	+63,500	+142.70%
15-D-301, HE Science & Engineering Facility, PX	43,000	0	20,000	+20,000	N/A
HE & Energetics	141,370	113,285	248,380	+135,095	+119.25%
Primary Capability Modernization	1,746,761	2,028,925	2,668,092	+639,167	+31.50%
Uranium Modernization	306,689	0	297,531	+297,531	N/A
Depleted Uranium Modernization	110,915	0	170,171	+170,171	N/A
Lithium Modernization	39,400	0	68,661	+68,661	N/A
18-D-690, Lithium Processing Facility, Y-12	109,405	167,902	216,886	+48,984	+29.17%
06-D-141, Uranium Processing Facility, Y-12	750,000	600,000	362,000	-238,000	-39.67%
Secondary Capability Modernization (SCM)	0	488,097	0	-488,097	-100.00%
Secondary Capability Modernization	1,316,409	1,255,999	1,115,249	-140,750	-11.21%
Tritium Sustainment and Modernization	312,109	0	361,797	+361,797	N/A
Domestic Uranium Enrichment	70,000	0	144,852	+144,852	N/A
HEU Downblend	90,000	0	0	+0	N/A
Uranium Reserve	75,000	0	0	+0	N/A
Tritium & Domestic Uranium Enrichment	0	489,017	0	-489,017	-100.00%

**DEPARTMENT OF ENERGY**  
**Comparative Appropriation by Congressional Control**  
**Compare FY 2023 Presidents Budget vs. FY 2022 Enacted**  
**FY 2023**

(Dollars in Thousands)

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18-D-650, Tritium Finishing Facility, SRS	27,000	27,000	73,300	+46,300	+171.48%
Tritium and Domestic Uranium Enrichment	574,109	516,017	579,949	+63,932	+12.39%
Non-Nuclear Capability Modernization	107,137	144,563	123,084	-21,479	-14.86%
22-D-513, Power Sources Capability, SNL	0	13,827	0	-13,827	-100.00%
Total, Non-Nuclear Capability Modernization	107,137	158,390	123,084	-35,306	-22.29%
Capability Based Investments	149,117	187,566	154,220	-33,346	-17.78%
Planning for Programmatic Construction (Pre-CD-1)	10,000	10,000	0	-10,000	-100.00%
Production Modernization	3,903,533	4,156,897	4,640,594	+483,697	+11.64%
Primary Assessment Technologies	150,000	150,000	154,507	+4,507	+3.00%
Dynamic Materials Properties	130,981	130,981	124,366	-6,615	-5.05%
Advanced Diagnostics	35,989	35,989	31,064	-4,925	-13.68%
Secondary Assessment Technologies	84,000	84,000	72,104	-11,896	-14.16%
Enhanced Capabilities for Subcritical Experiments	215,579	215,579	277,225	+61,646	+28.60%
Hydrodynamic and Subcritical Experiment Execution Support	152,845	152,845	142,402	-10,443	-6.83%
17-D-640, U1a Complex Enhancements Project, NNSS	160,600	135,000	53,130	-81,870	-60.64%
Assessment Science	929,994	904,394	854,798	-49,596	-5.48%
Archiving and Support	45,760	45,760	43,950	-1,810	-3.96%
Delivery Environments	39,235	39,235	37,674	-1,561	-3.98%
Weapons Survivability	59,500	59,500	93,303	+33,803	+56.81%
Studies and Assessments	0	0	5,000	+5,000	N/A
Aging and Lifetimes	62,260	87,260	59,682	-27,578	-31.60%
Stockpile Responsiveness	70,000	50,000	68,742	+18,742	+37.48%
Advanced Certification and Qualification	60,649	60,330	58,104	-2,226	-3.69%
Engineering and Integrated Assessments	337,404	342,085	366,455	+24,370	+7.12%
Inertial Confinement Fusion	575,000	580,000	544,095	-35,905	-6.19%
Surety Technologies	54,365	0	51,497	+51,497	N/A
Weapon Technology Development	131,692	0	121,330	+121,330	N/A
Advanced Manufacturing Development	111,908	0	113,338	+113,338	N/A
Weapons Technology & Manufacturing Modernization	0	292,630	0	-292,630	-100.00%
Weapons Technology and Manufacturing Maturation	297,965	292,630	286,165	-6,465	-2.21%
Academic Programs	101,912	111,912	100,499	-11,413	-10.20%
Advanced Simulation and Computing	732,014	747,012	742,646	-4,366	-0.58%
18-D-620, Exascale Computing Facility Modernization Project, LLNL	29,200	0	0	+0	N/A
Advanced Simulation & Computing	761,214	747,012	742,646	-4,366	-0.58%
Stockpile Research, Technology, and Engineering	3,003,489	2,978,033	2,894,658	-83,375	-2.80%
Operations of Facilities	1,014,000	1,014,000	1,038,000	+24,000	+2.37%
Safety and Environmental Operations	165,354	165,354	162,000	-3,354	-2.03%
Maintenance and Repair of Facilities	667,000	700,000	680,000	-20,000	-2.86%
Infrastructure and Safety	573,717	600,000	561,663	-38,337	-6.39%
Recapitalization	573,717	600,000	561,663	-38,337	-6.39%
Operating	2,420,071	2,479,354	2,441,663	-37,691	-1.52%
23-D-519, Special Material Facility, Y-12	0	0	49,500	+49,500	N/A
23-D-518 Plutonium Modernization Operations & Waste Management Office Bldg, LANL	0	0	48,500	+48,500	N/A
23-D-517 Electrical Power Capacity Upgrade, LANL	0	0	24,000	+24,000	N/A
22-D-514 Digital Infrastructure Capability Expansion, LLNL	0	8,000	67,300	+59,300	+741.25%
19-D-670, 138kV Power Transmission System Replacement, NNSS	59,000	0	0	+0	N/A
15-D-612, Emergency Operations Center, LLNL	27,000	0	0	+0	N/A
15-D-611, Emergency Operations Center, SNL	36,000	0	0	+0	N/A
Mission Enabling Construction	122,000	8,000	189,300	+181,300	+2,266.25%
I&O - Construction	122,000	8,000	189,300	+181,300	+2,266.25%
Infrastructure and Operations	2,542,071	2,487,354	2,630,963	+143,609	+5.77%
STA Operations and Equipment	225,000	213,704	214,367	+663	+0.31%
Program Direction - STA - Federal Support	123,684	117,060	130,070	+13,010	+11.11%
Secure Transportation Asset	348,684	330,764	344,437	+13,673	+4.13%
Operations and Maintenance - DNS	763,078	821,090	878,363	+57,273	+6.98%
17-D-710, West End Protected Area Reduction Project, Y-12	26,000	23,000	3,928	-19,072	-82.92%
Construction - Defense Nuclear Security	26,000	23,000	3,928	-19,072	-82.92%
Defense Nuclear Security (DNS)	789,078	844,090	882,291	+38,201	+4.53%
Information Technology and Cyber Security	366,233	406,530	445,654	+39,124	+9.62%
Legacy Contractor Pensions and Settlement Payments (WA)	101,668	78,656	114,632	+35,976	+45.74%
Use of Prior Year Balances	0	0	-396,004	-396,004	N/A
<b>Total, Weapons Activities</b>	<b>15,345,000</b>	<b>15,920,000</b>	<b>16,486,298</b>	<b>+566,298</b>	<b>+3.56%</b>
<b>Defense Nuclear Nonproliferation</b>					
Conversion	110,000	100,660	153,260	+52,600	+52.26%
Nuclear Material Removal	40,000	42,100	41,600	-500	-1.19%

**DEPARTMENT OF ENERGY**  
**Comparative Appropriation by Congressional Control**  
**Compare FY 2023 Presidents Budget vs. FY 2022 Enacted**  
**FY 2023**

(Dollars in Thousands)

	FY 2021	FY 2022	FY 2023	FY 2023 Presidents Budget vs. FY 2022	
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Material Disposition	190,711	200,186	256,025	+55,839	+27.89%
Laboratory and Partnership Support	60,000	0	0	+0	N/A
<b>Material Management and Minimization</b>	<b>400,711</b>	<b>342,946</b>	<b>450,885</b>	<b>+107,939</b>	<b>+31.47%</b>
International Nuclear Security	78,939	79,939	81,155	+1,216	+1.52%
Radiological Security	275,000	253,002	244,827	-8,175	-3.23%
Nuclear Smuggling Detection and Deterrence	175,000	198,500	178,095	-20,405	-10.28%
<b>Global Material Security</b>	<b>528,939</b>	<b>531,441</b>	<b>504,077</b>	<b>-27,364</b>	<b>-5.15%</b>
<b>Nonproliferation &amp; Arms Control</b>	<b>148,000</b>	<b>184,795</b>	<b>207,656</b>	<b>+22,861</b>	<b>+12.37%</b>
Proliferation Detection R&D	255,000	269,407	287,283	+17,876	+6.64%
Nuclear Detonation Detection	267,000	294,500	279,205	-15,295	-5.19%
Nonproliferation Fuels Development	20,000	20,000	0	-20,000	-100.00%
Forensics R&D	40,000	45,000	44,414	-586	-1.30%
Nonproliferation Stewardship Program	59,900	100,329	109,343	+9,014	+8.98%
Defense Nuclear Nonproliferation R&D	641,900	729,236	720,245	-8,991	-1.23%
<b>NNSA Bioassurance Program</b>	<b>0</b>	<b>0</b>	<b>20,000</b>	<b>+20,000</b>	<b>N/A</b>
18-D-150, Surplus Plutonium Disposition Project, SRS	148,589	156,000	71,764	-84,236	-54.00%
<b>Nonproliferation Construction</b>	<b>148,589</b>	<b>156,000</b>	<b>71,764</b>	<b>-84,236</b>	<b>-54.00%</b>
Emergency Operations	36,000	14,597	29,896	+15,299	+104.81%
Counterterrorism and Counterproliferation	341,513	356,185	409,074	+52,889	+14.85%
Nuclear Counterterrorism & Incident Response	377,513	370,782	438,970	+68,188	+18.39%
Legacy Contractor Pensions and Settlement Payments - DNN	14,348	38,800	55,708	+16,908	+43.58%
Use of Prior Year Balances	0	0	-123,048	-123,048	N/A
<b>Total, Defense Nuclear Nonproliferation</b>	<b>2,260,000</b>	<b>2,354,000</b>	<b>2,346,257</b>	<b>-7,743</b>	<b>-0.33%</b>
<b>Naval Reactors</b>					
Naval Reactors Development	568,000	640,684	798,590	+157,906	+24.65%
Columbia-Class Reactor Systems Development	64,700	55,000	53,900	-1,100	-2.00%
S8G Prototype Refueling	135,000	126,000	20,000	-106,000	-84.13%
Naval Reactors Operations and Infrastructure	530,600	594,017	695,165	+101,148	+17.03%
Program Direction - Naval Reactors	51,700	55,579	58,525	+2,946	+5.30%
23-D-533 BL Component Test Complex	0	0	57,420	+57,420	N/A
22-D-532 Security Upgrades KL	0	5,100	0	-5,100	-100.00%
22-D-531 KL Chemistry and Radiological Health Building	0	41,620	0	-41,620	-100.00%
21-D-530 KL Steam and Condensate Upgrades	4,000	0	0	+0	N/A
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	330,000	400,000	397,845	-2,155	-0.54%
Construction - Naval Reactors	334,000	446,720	455,265	+8,545	+1.91%
<b>Total, Naval Reactors</b>	<b>1,684,000</b>	<b>1,918,000</b>	<b>2,081,445</b>	<b>+163,445</b>	<b>+8.52%</b>
<b>Federal Salaries and Expenses</b>					
Program Direction - National Nuclear Security Administration	443,200	464,000	513,200	+49,200	+10.60%
Use of Prior Year Balances	0	0	-16,800	-16,800	N/A
<b>Total, Federal Salaries and Expenses</b>	<b>443,200</b>	<b>464,000</b>	<b>496,400</b>	<b>+32,400</b>	<b>+6.98%</b>
Rescission of Prior Year Balances	0	-288,133	0	+288,133	-100.00%
<b>Total, National Nuclear Security Administration</b>	<b>19,732,200</b>	<b>20,367,867</b>	<b>21,410,400</b>	<b>+1,042,533</b>	<b>+5.12%</b>
<b>Defense Environmental Cleanup</b>					
Closure Sites Administration	4,987	3,987	4,067	+80	+2.01%
Central Plateau Remediation	670,000	650,926	650,240	-686	-0.11%
River Corridor and Other Cleanup Operations	232,479	254,479	135,000	-119,479	-46.95%
Richland Community and Regulatory Support	8,621	8,621	10,013	+1,392	+16.15%
18-D-404 Modification of Waste Encapsulation and Storage Facility	15,000	8,000	3,100	-4,900	-61.25%
22-D-401 L-888, 400 Area Fire Station	0	15,200	3,100	-12,100	-79.61%
22-D-402 L-897, 200 Area Water Treatment Facility	0	12,800	8,900	-3,900	-30.47%
23-D-404 181D Export Water System Reconfiguration and Upgrade	0	0	6,770	+6,770	N/A
23-D-405 181B Export Water System Reconfiguration and Upgrade	0	0	480	+480	N/A
Construction - Richland	15,000	36,000	22,350	-13,650	-37.92%
Richland	926,100	950,026	817,603	-132,423	-13.94%
Waste Treatment Immobilization Plant Commissioning	50,000	50,000	462,700	+412,700	+825.40%
Rad Liquid Tank Waste Stabilization and Disposition	784,000	837,642	801,100	-36,542	-4.36%
23-D-403, Hanford 200 West Area Tank Farms Risk Management Project	0	0	4,408	+4,408	N/A
18-D-16 Waste treatment and immobilization plant - LBL/Direct Feed LAW	786,000	586,000	0	-586,000	-100.00%
01-D-16D High-Level Waste Facility	25,000	144,358	316,200	+171,842	+119.04%
01-D-16E Pretreatment Facility	0	20,000	20,000	+0	+0.00%
Construction - Office of River Protection	811,000	750,358	340,608	-409,750	-54.61%
ORP Low-Level Waste Offsite Disposal	0	7,000	0	-7,000	-100.00%
Office of River Protection (ORP)	1,645,000	1,645,000	1,604,408	-40,592	-2.47%
Idaho Cleanup and Waste Disposition	430,000	432,313	350,658	-81,655	-18.89%



**DEPARTMENT OF ENERGY**  
**Comparative Appropriation by Congressional Control**  
**Compare FY 2023 Presidents Budget vs. FY 2022 Enacted**  
**FY 2023**

(Dollars in Thousands)

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	Enacted	Enacted	Presidents Budget	Enacted	
	Final	Final	Requested Total	\$	%
22-D-403 Idaho Spent Nuclear Fuel Staging Facility	0	3,000	8,000	+5,000	+166.67%
22-D-404 Additional ICDF Landfill Disposal Cell and Evaporation Ponds Project	0	5,000	8,000	+3,000	+60.00%
23-D-402 - Calcine Construction	0	0	10,000	+10,000	N/A
Construction - Idaho	0	8,000	26,000	+18,000	+225.00%
Idaho Community and Regulatory Support	3,500	2,658	2,705	+47	+1.77%
Idaho National Laboratory (INL)	433,500	442,971	379,363	-63,608	-14.36%
Lawrence Livermore National Laboratory (LLNL)	1,764	1,806	1,842	+36	+1.99%
LLNL Excess Facilities D&D	35,000	35,000	12,004	-22,996	-65.70%
Los Alamos National Laboratory (LANL)	226,000	275,119	286,316	+11,197	+4.07%
Los Alamos Excess Facilities D&D	0	17,000	40,519	+23,519	+138.35%
Nevada Site	60,737	75,737	62,652	-13,085	-17.28%
Separations Processing Research Unit	15,000	15,000	15,300	+300	+2.00%
Sandia National Laboratory (SNL)	4,860	4,576	4,003	-573	-12.52%
NNSA Sites and Nevada Off-Sites	343,361	424,238	422,636	-1,602	-0.38%
U233 Disposition Program	55,000	55,000	47,628	-7,372	-13.40%
OR Cleanup Disposition	112,471	73,725	62,000	-11,725	-15.90%
OR Nuclear Facility D&D	254,132	337,062	334,221	-2,841	-0.84%
OR Technology Development and Deployment	5,000	3,000	3,000	+0	+0.00%
OR Community and Regulatory Support	5,900	5,096	5,300	+204	+4.00%
14-D-403 Outfall 200 Mercury Treatment Facility	20,500	0	0	+0	N/A
17-D-401 On-site Waste Disposal Facility	22,380	12,500	35,000	+22,500	+180.00%
Construction - Oak Ridge	42,880	12,500	35,000	+22,500	+180.00%
Oak Ridge (OR)	475,383	486,383	487,149	+766	+0.16%
SR-0011C NM Stabilization and Disposition	349,724	0	270,461	+270,461	N/A
SR-0013 Solid Waste Stabilization and Disposition	50,071	360,728	45,509	-315,219	-87.38%
SR-0030 Soil and Water Remediation	56,412	55,305	60,455	+5,150	+9.31%
SR-0041: Risk Reduction Deactivation and Surveillance	27,264	25,500	21,463	-4,037	-15.83%
SR-0042: Infrastructure and Land Management	16,529	17,557	18,429	+872	+4.97%
Savannah River Risk Management Operations	500,000	459,090	416,317	-42,773	-9.32%
18-D-402 Emergency Operations Center Replacement, SR	6,500	8,999	25,568	+16,569	+184.12%
19-D-701 SR Security Systems Replacement	1,000	5,000	5,000	+0	+0.00%
20-D-402 Advanced Manufacturing Collaborative Facility (AMC)	25,000	0	0	+0	N/A
Construction - Savannah River Sites	32,500	13,999	30,568	+16,569	+118.36%
Savannah River Legacy Pensions	0	130,882	132,294	+1,412	+1.08%
Savannah River National Laboratory O&M	0	0	41,000	+41,000	N/A
SR Community and Regulatory Support	11,549	11,805	12,137	+332	+2.81%
Radioactive Liquid Tank Waste Stabilization	910,832	889,365	851,660	-37,705	-4.24%
20-D-401 Saltstone Disposal Unit #10, 11, 12	562	19,500	37,668	+18,168	+93.17%
18-D-402 Saltstone disposal unit #8/9	65,500	68,000	49,832	-18,168	-26.72%
17-D-402 Saltstone Disposal Unit #7	10,716	0	0	+0	N/A
Construction - Radioactive Liquid Tank Waste	76,778	87,500	87,500	+0	+0.00%
Savannah River Sites	1,531,659	1,592,641	1,571,476	-21,165	-1.33%
Waste Isolation Pilot Plant (WIPP)	313,260	353,424	371,943	+18,519	+5.24%
21-D-401 Hoisting Capability Project	10,000	0	0	+0	N/A
15-D-411 Safety Significant Confinement Ventilation System, WIPP	35,000	65,000	59,073	-5,927	-9.12%
15-D-412 Exhaust Shaft, WIPP	55,000	25,000	25,000	+0	+0.00%
Construction - Waste Isolation Pilot Plant	100,000	90,000	84,073	-5,927	-6.59%
Total Waste Isolation Pilot Plant	413,260	443,424	456,016	+12,592	+2.84%
Program Direction - Defense Environmental Cleanup	289,000	305,207	317,002	+11,795	+3.86%
Program Support - Defense Environmental Cleanup	12,979	62,979	103,239	+40,260	+63.93%
Safeguards and Security - Defense Environmental Cleanup	320,771	323,144	309,573	-13,571	-4.20%
Technology Development and Deployment	30,000	30,000	25,000	-5,000	-16.67%
Federal Contribution to the Uranium Enrichment D&D Fund	0	0	417,000	+417,000	N/A
<b>Total, Defense Environmental Cleanup</b>	<b>6,426,000</b>	<b>6,710,000</b>	<b>6,914,532</b>	<b>+204,532</b>	<b>+3.05%</b>
<b>Other Defense Activities</b>					
Defense-Related Administrative Support	183,789	183,710	170,695	-13,015	-7.08%
Legacy Management Activities - Defense	142,797	158,797	174,163	+15,366	+9.68%
Program Direction - Legacy Management	20,262	19,933	21,983	+2,050	+10.28%
Legacy Management	163,059	178,730	196,146	+17,416	+9.74%
Program Direction - Office of Enterprise Assessments	54,635	56,049	57,941	+1,892	+3.38%
Enterprise Assessments	24,435	27,335	27,486	+151	+0.55%
Office of Enterprise Assessments	79,070	83,384	85,427	+2,043	+2.45%
Environment, Health, Safety and Security Mission Support	0	132,732	0	-132,732	-100.00%
Program Direction - Environment, Health, Safety and Security	72,000	73,588	76,685	+3,097	+4.21%

**DEPARTMENT OF ENERGY**  
**Comparative Appropriation by Congressional Control**  
**Compare FY 2023 Presidents Budget vs. FY 2022 Enacted**  
**FY 2023**

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	Enacted	Enacted	Presidents Budget	Enacted	
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Environment, Health, Safety & Security	134,320	0	138,854	+138,854	N/A
Environment, Health, Safety, and Security	206,320	206,320	215,539	+9,219	+4.47%
Specialized Security Activities	283,500	328,500	306,067	-22,433	-6.83%
Office Of Hearings And Appeals	4,262	4,356	4,477	+121	+2.78%
<b>Total, Other Defense Activities</b>	<b>920,000</b>	<b>985,000</b>	<b>978,351</b>	<b>-6,649</b>	<b>-0.68%</b>
<b>Total, Power Marketing Administrations</b>					
<b>Southeastern Power Administration</b>					
Purchase Power and Wheeling - SEPA	66,163	66,353	92,687	+26,334	+39.69%
Program Direction - SEPA	11,246	7,284	8,273	+989	+13.58%
Offsetting collections (for PD) - SEPA	-7,246	-7,184	-8,173	-989	+13.77%
Offsetting collections (for PPW) - SEPA	-52,000	-53,000	-78,696	-25,696	+48.48%
Offsetting Collections - SEPA	-59,246	-60,184	-86,869	-26,685	+44.34%
Less alternative financing (for PD) - SEPA	-4,000	-100	-100	+0	+0.00%
Less alternative financing (for PPW) - SEPA	-14,163	-13,353	-13,991	-638	+4.78%
Less alternative financing - SEPA	-18,163	-13,453	-14,091	-638	+4.74%
<b>Total, Southeastern Power Administration</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>+0</b>	<b>+0.00%</b>
<b>Southwestern Power Administration</b>					
Operation And Maintenance - SWPA	13,292	11,082	15,517	+4,435	+40.02%
Construction - SWPA	13,267	15,901	16,035	+134	+0.84%
Purchase Power And Wheeling - SWPA	54,000	62,000	93,000	+31,000	+50.00%
Program Direction - SWPA	35,635	36,833	38,250	+1,417	+3.85%
Subtotal, SWPA	116,194	125,816	162,802	+36,986	+29.40%
Offsetting Collections (for O&M) - SWPA	-5,657	-4,395	-7,998	-3,603	+81.98%
Offsetting Collections (for PD) - SWPA	-31,483	-33,529	-34,882	-1,353	+4.04%
Offsetting Collections (for PPW) - SWPA	-34,000	-39,000	-70,000	-31,000	+79.49%
Offsetting Collections - SWPA	-71,140	-76,924	-112,880	-35,956	+46.74%
Less alternative financing (for O&M) - SWPA	-5,635	-4,591	-5,279	-688	+14.99%
Less alternative financing (for Construction) - SWPA	-8,167	-10,901	-11,035	-134	+1.23%
Less alternative financing (for PPW) - SWPA	-20,000	-23,000	-23,000	+0	+0.00%
Less alternative financing (for PD) - SWPA	-852	0	0	+0	N/A
Less alternative financing - SWPA	-34,654	-38,492	-39,314	-822	+2.14%
<b>Total, Southwestern Power Administration</b>	<b>10,400</b>	<b>10,400</b>	<b>10,608</b>	<b>+208</b>	<b>+2.00%</b>
<b>Western Area Power Administration</b>					
Operation And Maintenance - CROM	77,874	81,983	85,229	+3,246	+3.96%
Construction And Rehabilitation - CROM	26,251	35,185	47,189	+12,004	+34.12%
Purchase Power And Wheeling - CROM	485,890	443,677	625,405	+181,728	+40.96%
Program Direction - CROM	253,575	267,246	276,287	+9,041	+3.38%
Construction, Rehabilitation, Operation, and Maintenance (CROM) - WP	843,590	828,091	1,034,110	+206,019	+24.88%
Less alternative financing (for O&M) - CROM	-6,297	-7,122	-7,641	-519	+7.29%
Less alternative financing (for Construction) - CROM	-20,353	-31,090	-38,219	-7,129	+22.93%
Less alternative financing (for PPW) - CROM	-293,890	-273,677	-275,322	-1,645	+0.60%
Less alternative financing (for PD) - CROM	-48,546	-51,849	-54,868	-3,019	+5.82%
Less alternative financing - CROM	-369,086	-363,738	-376,050	-12,312	+3.38%
Purchase Power & Wheeling Financed from Offsetting (P.L. 108-447/109-103)	-192,000	-170,000	-350,083	-180,083	+105.93%
Offsetting Collections - Colorado River Dam (P.L. 98-381)	-8,378	-9,116	-9,404	-288	+3.16%
Offsetting Collections (for O&M) - CROM	-24,744	-27,530	-29,180	-1,650	+5.99%
Offsetting Collections (for PPW) - CROM	0	0	0	+0	N/A
Offsetting Collections (for PD) - CROM	-145,010	-166,935	-170,661	-3,726	+2.23%
Offsetting Collections - CROM	-370,132	-373,581	-559,328	-185,747	+49.72%
Use of Prior Year Balances	-15,000	0	0	+0	N/A
<b>Total, Western Area Power Administration</b>	<b>89,372</b>	<b>90,772</b>	<b>98,732</b>	<b>+7,960</b>	<b>+8.77%</b>
<b>Falcon and Amistad Operating and Maintenance Fund</b>					
Falcon And Amistad Operation And Maintenance	7,302	7,545	7,928	+383	+5.08%
Offsetting Collections - Falcon and Amistad Fund	-5,548	-5,580	-6,102	-522	+9.35%
Less alternative financing - Falcon and Amistad Fund	-1,526	-1,737	-1,598	+139	-8.00%
<b>Total, Falcon and Amistad Operating and Maintenance Fund</b>	<b>228</b>	<b>228</b>	<b>228</b>	<b>+0</b>	<b>+0.00%</b>
<b>Colorado River Basins Power Marketing Fund</b>					
Program Direction - Colorado River Basins Fund	70,316	0	79,539	+79,539	N/A
Equipment, Contracts and Related Expenses - Colorado River Basins Fund	174,731	0	178,927	+178,927	N/A
Colorado River Basins Fund - 9000866	0	2,000	0	-2,000	-100.00%
Colorado River Basins Fund	245,047	2,000	258,466	+256,466	+12,823.30%
Offsetting collections - CRBPMF	-266,447	0	-267,034	-267,034	N/A
<b>Total, Colorado River Basins Power Marketing Fund</b>	<b>-21,400</b>	<b>2,000</b>	<b>-8,568</b>	<b>-10,568</b>	<b>-528.40%</b>
<b>Total, Power Marketing Administration</b>	<b>78,600</b>	<b>103,400</b>	<b>101,000</b>	<b>-2,400</b>	<b>-2.32%</b>

**DEPARTMENT OF ENERGY**  
**Comparative Appropriation by Congressional Control**  
**Compare FY 2023 Presidents Budget vs. FY 2022 Enacted**  
**FY 2023**

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<b>Federal Energy Regulatory Commission</b>					
FERC Revenues	-404,350	-466,426	-508,400	-41,974	+9.00%
Just and Reasonable Rates, Terms, and Conditions	182,261	466,426	226,921	-239,505	-51.35%
Safe, Reliable, Secure, & Efficient Infrastructure	142,757	0	172,762	+172,762	N/A
Mission Support through Organizational Excellence	79,332	0	108,717	+108,717	N/A
Offset Funding	0	0	0	+0	N/A
<b>Total, Federal Energy Regulatory Commission</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
Excess Fees and Recoveries, FERC	-9,000	0	-9,000	-9,000	N/A
Title XVII Loan Guar. Prog Section 1703 Negative Credit Subsidy Receipt	0	0	-7,000	-7,000	N/A
UED&D Fund Offset	0	0	-417,000	-417,000	N/A
<b>Total DOE</b>	<b>41,892,625</b>	<b>44,855,624</b>	<b>48,183,541</b>	<b>+3,327,917</b>	<b>+7.42%</b>
<b>Discretionary Summary by Appropriation</b>					
<b>Defense (050): NNSA</b>					
Weapons Activities	15,345,000	15,920,000	16,486,298	+566,298	+3.56%
Defense Nuclear Nonproliferation	2,260,000	2,354,000	2,346,257	-7,743	-0.33%
Naval Reactors	1,684,000	1,918,000	2,081,445	+163,445	+8.52%
Federal Salaries and Expenses	443,200	464,000	496,400	+32,400	+6.98%
National Nuclear Security Administration Offsets	0	-288,133	0	+288,133	-100.00%
<b>Defense (050): Non-NNSA</b>					
Other Defense Activities	920,000	985,000	978,351	-6,649	-0.68%
Defense Environmental Cleanup	6,426,000	6,710,000	6,914,532	+204,532	+3.05%
Nuclear Energy (050)	149,800	149,800	156,600	+6,800	+4.54%
Defense Uranium Enrichment D&D	0	573,333	0	-573,333	-100.00%
<b>Total Defense (050)</b>	<b>27,228,000</b>	<b>28,786,000</b>	<b>29,459,883</b>	<b>+673,883</b>	<b>+2.34%</b>
<b>Non-Defense (Non-050): Science (250)</b>					
Science	7,026,000	7,475,000	7,799,211	+324,211	+4.34%
<b>Non-Defense (Non-050): Energy (270)</b>					
Energy Efficiency and Renewable Energy	2,861,760	3,200,000	4,018,885	+818,885	+25.59%
Electricity	211,720	277,000	297,386	+20,386	+7.36%
Cybersecurity, Energy Security and Emergency Response	156,000	185,804	202,143	+16,339	+8.79%
Nuclear Energy (270)	1,357,800	1,505,000	1,518,460	+13,460	+0.89%
Fossil Energy and Carbon Management	750,000	825,000	893,160	+68,160	+8.26%
Strategic Petroleum Reserve	188,000	219,000	214,175	-4,825	-2.20%
Naval Petroleum and Oil Shale Reserves	13,006	13,650	13,004	-646	-4.73%
SPR Petroleum Account	1,000	7,350	8,000	+650	+8.84%
Northeast Home Heating Oil Reserve	6,500	6,500	7,000	+500	+7.69%
Uranium Enrichment Decontamination and Decommissioning (D&D)	841,000	860,000	822,421	-37,579	-4.37%
Energy Information Administration	126,800	129,087	144,480	+15,393	+11.92%
Non-Defense Environmental Cleanup	319,200	333,863	323,249	-10,614	-3.18%
Advanced Research Projects Agency - Energy	427,000	450,000	700,150	+250,150	+55.59%
Departmental Administration	166,000	240,000	397,203	+157,203	+65.50%
Indian Energy Policy and Programs	22,000	58,000	150,039	+92,039	+158.69%
Inspector General	57,739	78,000	106,808	+28,808	+36.93%
Title 17 Innovative Technology Loan Guarantee Program	29,000	29,000	168,206	+139,206	+480.02%
Advanced Technology Vehicles Manufacturing Loan Program	5,000	5,000	9,800	+4,800	+96.00%
Tribal Energy Loan Guarantee Program	2,000	2,000	1,860	-140	-7.00%
Southwestern Power Administration	10,400	10,400	10,608	+208	+2.00%
Western Area Power Administration	89,372	90,772	98,732	+7,960	+8.77%
Falcon and Amistad Operating and Maintenance Fund	228	228	228	+0	+0.00%
Colorado River Basins Power Marketing Fund	-21,400	2,000	-8,568	-10,568	-528.40%
Federal Energy Regulatory Commission	0	0	0	+0	+0.00%
Office of Technology Transitions (OTT)	0	19,470	21,558	+2,088	+10.72%
Office of Clean Energy Demonstrations	0	20,000	214,052	+194,052	+970.26%
Nuclear Waste Fund Oversight	27,500	27,500	10,205	-17,295	-62.89%
Departmental Offsets	-9,000	0	-433,000	-433,000	N/A
Federal Energy Management Program (FEMP)	0	0	169,661	+169,661	N/A
Grid Deployment Office	0	0	90,221	+90,221	N/A
Office of Manufacturing & Energy Supply Chains (MESCC)	0	0	27,424	+27,424	N/A
Office of State and Community Programs (SCEP)	0	0	726,897	+726,897	N/A
<b>Non-Defense (Non-050)</b>	<b>14,664,625</b>	<b>16,069,624</b>	<b>18,723,658</b>	<b>+2,654,034</b>	<b>+16.52%</b>

**DEPARTMENT OF ENERGY**  
**Comparative Appropriation by Congressional Control**  
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**FY 2023**

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FY 2021 Enacted Final	FY 2022 Enacted Final	FY 2023 Presidents Budget Requested Total	FY 2023 Presidents Budget vs. FY 2022 Enacted	
			\$	%
<b>41,892,625</b>	<b>44,855,624</b>	<b>48,183,541</b>	<b>+3,327,917</b>	<b>+7.42%</b>

**Total DOE**

(1) The FY 2021 entries for Title 17 and ATVM do not reflect rescissions of prior year emergency balances enacted in Public Law 116-260. Including the rescissions, the final amounts for Title 17 and ATVM would be -\$363 million and -\$1.903 million, respectively.

(2) In the FY 2023 Request, Defense Uranium Decontamination and Decommissioning is requested within the Defense Environmental Cleanup Appropriation.